

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 13/Aug/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	136.249	1673.812	1) Gujrat	14.322	151.726
2) Hydro	12.058	180.626	2) Madhya Pradesh	8.852	96.732
3) Gas	0.000	2.408	3) Chattisgarh	0.920	25.020
Total MSPGCL	148.307	1856.846	4) Maharashtra	169.676	2025.674
B) 1) APLM	57.685	713.615	5) Goa (Amona)	-1.425	-20.449
2) JSWEL	14.248	169.765	Total	192.345	2278.703
3) VIPL	0.000	0.000	a) Mumbai Schedule	27.428	425.248
4) RPL(AMT)	31.329	336.663	b) Mumbai Drawl	30.139	471.729
5) SWPGPL	10.896	108.546	c) MSEDCL Bilateral *	109.235	1205.637
6) Other IPP	6.794	82.947	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	27.428	425.248
C) 1) TPCL Thermal	11.539	143.862	Include PX	0.000	0.000
2) TPCL Hydro	4.567	66.596	Standby	0.000	0.000
3) TPCL Gas	3.049	36.597	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.901	119.313	1) MSEDCL	477.366	5728.157
D) STATE			2) Mumbai Discoms	58.195	838.097
1) Thermal	277.641	3348.523	3) Other Discoms	9.647	129.541
(A1+C1+C4+(B1-B6))			TOTAL STATE	545.208	6695.795
2) Hydro (A2+C2)	16.625	247.222			
3) Gas (A3+B7+C3)	3.049	39.005			
4) Wind	42.617	633.914			
6) SOLAR	12.931	148.428			
TOTAL STATE	352.863	4417.092			

* 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 2 Hrs
MSPGCL Thermal	5806	5722	5687	5868
MSPGCL Hydro	767	480	1242	402
MSPGCL Gas	0	0	0	0
MSPGCL Total Generation	6573	6202	6929	6270
Central Sector Receipt	8930	8876	7743	6601
WIND	1716	1651	1563	1900
CPP / IPP Thermal	5078	4980	5276	5154
CPP / IPP Gas	0	0	0	0
SOLAR	1536	1653	0	0
Exchange with Mumbai	-1587	-1569	-1129	-1015
MSEDCL DEMAND MET	21827	21392	19947	18549
Load Shedding	0	0	0	0
MSEDCL DEMAND	21827	21392	19947	18549
TPCL GENERATION	678	702	1079	825
AEML GENERATION	393	359	373	462
MUMBAI DEMAND	2658	2630	2581	2302
OTHER DISCOM DEMAND	419	401	435	361
STATE DEMAND MET	24904	24423	22963	21212
STATE DEMAND	24904	24423	22963	21212
Frequency (Hz)	49.99	49.98	50.03	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.17 Hz at 16.03 Hrs	49.85 Hz at 09.05 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 13/Aug/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.39	40.44	165	110
Unit 8	14.21	171.20	600	554
Unit 9	12.72	158.85	547	505
Unit 10	0.00	0.00	0	0
Total	30.32	370.49		
Bhusawal				
Unit 3	3.24	38.84	140	125
Unit 4	0.00	87.88	0	0
Unit 5	10.71	121.34	475	370
Total	13.95	248.06		
Parli				
Unit 6	4.52	23.53	250	146
Unit 7	4.57	23.36	238	138
Unit 8	4.52	25.73	217	148
Total	13.60	72.61		
Chandrapur				
Unit 3	3.18	36.83	147	125
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	8.64	100.74	385	312
Unit 7	6.92	93.98	326	242
Unit 8	10.42	131.96	457	393
Unit 9	9.22	131.51	426	303
Total	38.37	495.03		
Paras				
Unit 3	4.92	59.84	221	178
Unit 4	4.48	56.90	195	167
Total	9.40	116.75		
Khaparkheda				
Unit 1	2.38	26.32	110	87
Unit 2	2.92	33.88	127	114
Unit 3	3.96	48.73	181	140
Unit 4	4.31	49.22	187	157
Unit 5	10.55	123.05	450	350
Total	24.13	281.20		
Nasik				
Unit 3	2.54	46.24	165	0
Unit 4	3.92	30.36	179	148
Unit 5	0.00	13.08	0	0
Total	6.46	89.67		
Uran				
All Units	0.00	2.41	0	0
Total	0.00	2.41		
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)	0.42	12.08	47	0
Total	0.42	12.08		
Koyna				
Stage 1-2	2.54	35.45	285	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	3.03	38.46	450	0
Stage 3	1.58	20.15	240	0
Total	7.15	94.06		
Hydro				
KDPH	0.00	7.15	0	0
VTRNA	0.00	0.61	0	0
TILLARI	0.00	1.62	0	0
BHIRA T.R.	0.44	5.71	80	0
SMLHY_PTN	4.05	55.40	172	162
GHATGHAR	0.00	4.00	0	0
Total	4.49	74.48		
Wind				
Total	42.62	633.91	0	0
Total	42.62	633.91		
CPP				
APML(Mus)	57.68	713.62	0	0
JSWEL(Mus)	14.25	169.76	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.33	336.66	0	0
SWPGPL-Mus	10.90	108.55	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.77	69.67	264	187
Other(Mus)	1.02	13.28	0	0
Total	120.95	1411.54		
SOLAR				
Total	12.93	148.43	0	0
Total	12.93	148.43		
Tata				
Trombay 5	7.40	94.95	454	264
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.83	21.59	108	39
Trombay 7B	1.22	15.01	64	35
TATA Hydro	4.57	66.60	337	86
Trombay 8	4.14	48.91	233	130
Total	19.16	247.06		
AEML				
DTPS U-1&2	8.90	119.31	494	298
Total	8.90	119.31		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	136.25	1673.81	MSPGCL Total	148.31	1856.85
			MSPGCL Thml+Gas	136.25	1676.22	Koyna 1,2 & 4 Total	5.57	73.90
			MSPGCL Hydro	12.06	180.63	State Total	352.86	4417.09

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 13/Aug/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	5906	520	0	6426	1888	5279	0	0	6098	6289	-863	18630	0	0	18630	2473	389	21492	50.03
2	5868	402	0	6270	1900	5154	0	0	6730	6601	-1015	18549	0	0	18549	2302	361	21212	49.99
3	5734	287	0	6021	1702	5240	0	0	6953	7100	-929	18784	0	0	18784	2181	350	21315	49.96
4	5797	287	0	6084	1808	5235	0	0	7334	7230	-1052	18959	0	0	18959	2097	346	21402	49.95
5	5774	445	0	6219	1680	5296	0	0	7576	7468	-1025	19292	0	0	19292	2068	346	21706	49.98
6	5785	457	0	6242	1688	5297	0	3	8316	8308	-1034	20131	0	0	20131	2114	373	22618	49.98
7	5784	513	0	6297	1647	5286	0	96	8683	8713	-1054	20589	0	0	20589	2148	396	23133	50.03
8	5670	440	0	6110	1688	5023	0	487	9042	9066	-1247	20732	0	0	20732	2206	395	23333	49.99
9	5655	306	0	5961	1773	4755	0	1038	9062	8925	-1446	20588	0	1	20588	2342	418	23348	49.96
10	5705	505	0	6210	1738	4571	0	1473	9012	8949	-1610	20895	0	4	20895	2494	436	23825	49.97
11	5720	657	0	6377	1824	4652	0	1536	9232	9354	-1666	21661	0	5	21661	2606	416	24683	50.02
12	5806	767	0	6573	1716	5078	0	1536	9092	8930	-1587	21827	0	9	21827	2658	419	24904	49.99
13	5722	480	0	6202	1651	4980	0	1653	9225	8876	-1569	21392	0	6	21392	2630	401	24423	49.98
14	5538	399	0	5937	1696	4924	0	1539	9126	9184	-1581	21302	0	6	21302	2565	397	24264	50.00
15	5565	247	0	5812	2010	4919	0	1361	9297	8965	-1563	21105	0	5	21105	2542	399	24046	50.01
16	5531	235	0	5766	2201	4801	0	1070	9440	8941	-1627	20750	0	2	20750	2516	402	23668	49.99
17	5138	301	0	5439	2149	4284	0	746	9509	9344	-1569	19970	0	81	19970	2478	423	22871	50.00
18	5565	233	0	5798	1952	4652	0	351	8471	7969	-1322	18960	0	82	18960	2430	440	21830	50.03
19	5484	334	0	5818	1776	4895	0	42	8431	7840	-1304	18623	0	14	18623	2443	444	21510	50.03
20	5687	1242	0	6929	1563	5276	0	0	7606	7743	-1129	19947	0	0	19947	2581	435	22963	50.03
21	5725	989	0	6714	1477	5334	0	0	7157	6974	-960	19106	0	0	19106	2622	433	22161	50.02
22	5770	968	0	6738	1667	5347	0	0	6595	6460	-922	18858	0	0	18858	2599	432	21889	50.03
23	5691	610	0	6301	1703	5330	0	0	6475	6377	-946	18365	0	0	18365	2561	400	21326	49.98
24	5629	434	0	6063	1720	5344	0	0	6664	6739	-1119	18350	0	0	18350	2539	397	21286	49.98
MUs	136.25	12.06	0.00	148.31	42.62	120.95	0.00	12.93	195.13	192.34	-30.14	477.37	0.00	0.22	477.37	58.20	9.65	545.21	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 :-

1) ELR carried out due to overloading of 220KV BBLR-I due to outage on 220KV BBLR-II.

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

Details of Generating Unit Outages/Trippings for 13/Aug/2023

Position as on 6.30 Hrs of 14/Aug/2023

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 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.	16/08/2023
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	25/08/2023
IPP	Adani U-4	660	12/08/2023	23:44		Continued.	Annual Overhaul	05/09/2023
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	23/08/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Major overhauled.	05/10/2023
MSPGCL	Chandrapur Unit 5	500	22/05/2023	19:00		Continued.	COH	16/08/2023
MSPGCL	Koyna STG-IV Unit-1	250	05/06/2023	16:30		Continued.	The KGSC Stg-4 Unit No-1(250MW) not available due to foreign material impact at Guide vane no 4	18/09/2023
MSPGCL	Uran Unit 8	108	24/06/2023	10:05		Continued.	Compressor Surge Protection	15/08/2023
MSPGCL	Uran Unit B0	120	24/06/2023	19:01		Continued.	On RR end bearing high vibrations	20/08/2023
IPP	JSW (J) U1	300	02/08/2023	06:42		Continued.	Condenser cooling water problem heavy leakage	19/08/2023
MSPGCL	Nasik Unit 5	210	05/08/2023	00:00	14/08/2023	15:00	ID Fan Problem(On Tolling since 18:23Hrs DT. 05-08-2023)	
IPP	JSW (J) U4	300	10/08/2023	05:55		Continued.	CW system leakage	14/08/2023
MSPGCL	Bhusawal Unit 4	500	10/08/2023	22:44		Continued.	Boiler Tube Leakage	14/08/2023
MSPGCL	Uran Unit 7	108	12/08/2023	21:59	14/08/2023	06:02	Zero Schedule.	
MSPGCL	Uran Unit 6	108	12/08/2023	22:15	14/08/2023	05:30	Zero Schedule.	
MSPGCL	Koyna Unit 7	80	13/08/2023	09:00		Continued.	Spherical Valve maintenance	02/09/2023
MSPGCL	Nasik Unit 3	210	13/08/2023	16:00		Continued.	Boiler Tube Leakage	16/08/2023
MSPGCL	Koyna STG-IV Unit-2	250	13/08/2023	19:10	14/08/2023	01:45	Water Drain valve leakage.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 13/Aug/2023

Position as on 6.30 Hrs of 14/Aug/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 6	500	14/08/2023	06:30		Continued.	BTL	17/08/2023
MSPGCL	Uran Unit 6	108	14/08/2023	07:37		Continued.	Zero Schedule	
MSPGCL	Uran Unit 7	108	14/08/2023	07:56		Continued.	Zero Schedule	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Aug/2023

Statement-VII

Position as on 6.30 Hrs of 14/Aug/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	13/08/2023	21:05	14/08/2023	00:21	EO	Antiweeding of pole 2 Z1 & Z2 base filter As grass has grown very tall.
500 KV LR Outages/Trippings							
Pole-2 Non base AC filter Z4 (80 MVAR) @ Chandrapur HVDC	IntraState	12/08/2023	16:32	13/08/2023	18:20	EO	For attending 1 no. of hotspot having temp.160 deg. cel
400 KV LINE Outages/Trippings							
TALANDGE - KOLHAPUR (PG) CKT - 2	InterState	20/03/2023	07:49			PO	For reconductoring of Moose conductor with HTLS conductor for sytem improvement. AR to be kept in non Auto mode for 400KV-KOLHAPUR-MS-KOLHAPUR GIS -1
KALWA - TALEGAON (PG)	InterState	13/08/2023	09:32	13/08/2023	19:47	PO	SSN to DSN replacement of insulator string Project & FWC mid span joint.
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	01/08/2023	09:21			EO	For attending Oil Leakage Problem of ɛYɛ phase Protection CT Of NTPP I (RPL 1)
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	05/08/2023	10:07			HT	TO CONTROL LINE LOADING OF PUNE GIS
KHADKA-AURANGABAD (WALUJ)	IntraState	12/08/2023	20:14	13/08/2023	08:41	HT	for load management
PADGHE - KALWA CKT - 2	IntraState	13/08/2023	00:50	13/08/2023	04:20	EO	For attending hot spot at Loc No.62 & 1135 .
JAIGAD - KARAD CKT - 2	IntraState	14/08/2023	01:13	14/08/2023	08:14	HT	H/T to control Overvoltage
KORADI II - KORADI III CKT - 4	IntraState	14/08/2023	09:59	14/08/2023	12:51	PO	Annual Maintenance of Line equipment at Koradi III SS
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 167 MVA SPARE ICT @ KHAPARKHEDA	IntraState	14/07/2023	12:08			PO	Ongoing work of Rapid Restoration Scheme (RRS) For spare ICT
400/220/33 KV 315 MVA ICT - 1 @ CHANDRAPUR	IntraState	12/08/2023	10:21			PO	1.Commissioning of High velocity water spray system for 315MVA ICT-1. 2. Routine maintenance of ICT 2. Maintenance and alignment of Isolators 3. Bay routine maintenance work
400/220/33 KV 500 MVA ICT - 3 @ PARLI	IntraState	14/08/2023	09:38			PO	(1) C & Tan D of Bushing & winding testing work. (2) Bay maintenance work.
220 KV LINE Outages/Trippings							
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	24/05/2023	09:21	13/08/2023	16:50	HT	H/T to control line loading
EKLAHARE (OCR) - PADGHE	IntraState	22/07/2023	21:09			HT	As per usual practice line is H/T
BOISAR - VERSOVA	IntraState	12/08/2023	10:50	13/08/2023	14:17	EO	To attend Air pressure low alarm on CB
BUS SECTION - 2 @ TROMBAY	IntraState	12/08/2023	13:18	13/08/2023	00:29	PO	For 1) Wave Trap replacement work of 220KV Sonkhar line 2) 220KV CC relocation/Shifting work & 3) Bus Section bay maintenance work.
DHARAVI - MAHALAXMI	IntraState	13/08/2023	00:11	13/08/2023	02:01	PO	R/M and Breaker testing at Dharav
KHARGHAR - SONKHAR	IntraState	13/08/2023	06:24	13/08/2023	17:23	EO	1) For replacing Damaged A bus Bph span in Sonkhar bay. 2) Replacement of Damaged Bph & Yph A-Bus conductor of Sonkhar bay.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Aug/2023

Statement-VII

Position as on 6.30 Hrs of 14/Aug/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	13/08/2023	07:15	13/08/2023	18:03	PO	for TOWER erection WORK of the additional 220kV D/C tower (NC + 6) between location No. 213- 214 to 220kV Babhaleshwar- Nasik 1 & 2 ckt under EHV O&M Division Babhaleshwar. BOTH CKT REQUIRED TO BE KEPT OFF FOR THE ABOVE SAID WORK.
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	13/08/2023	17:15	13/08/2023	18:03	PO	1. Conversion of single jump into twin jump of tension tower at various locations. (As per current loading,frequent Red-Hot observed andalso with bypass jump done by Hot-Line. 2. Replacement of old disc insulator by new long-rod insulator at various location.
220 KV KEKATNIBHORA - KHADKA (400 KV) CKT	IntraState	13/08/2023	19:17	13/08/2023	19:45	HT	Heavy sparking observed in switch yard.
CHAKAN (400KV) - VOLKSWAGEN	IntraState	14/08/2023	10:39			PO	SCADA Trial and Commissioning work
KARAD - NERLE	IntraState	14/08/2023	11:10			PO	Quarterly Maintenance Work
TALANDGE - MUDSHINGI CKT - 2	IntraState	14/08/2023	13:57			PO	Quarterly Maintenance and Diagnostic testing 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.
220/22-22 KV 100 MVA PTR 3 @ PAL-DOMBIVALI	IntraState	11/08/2023	09:15	13/08/2023	11:25	PO	Oil filtration work to improve oil parameters.
220/132 KV 200 MVA PTR NO 6 @ PARVATI	IntraState	13/08/2023	17:45	14/08/2023	10:03	T	Tripped while changing tap. OSR winding relay And master trip operated.
220/33KV 25MVA PTR 2 @ PAWAS	IntraState	14/08/2023	09:20			PO	For replacement of 33kV LV & feeder CTs
220/132 KV 100 MVA ICT 1 @ PHALTAN MIDC	IntraState	14/08/2023	09:40			PO	ICT Painting Work
220/100 KV 100 MVA ICT 1 @ KANDALGAON	IntraState	14/08/2023	10:06	14/08/2023	13:50	PO	R ph , Y ph & B ph lightening arrester of ICT 01 LV side replacement work to be carried out.
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.
132 KV LINE Outages/Trippings							
RISOD-YELDARI	IntraState	20/04/2023	17:57			HT	TO CONTROL LOADING ON RISOD - MALEGAON CKT
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