



**Government of India
Ministry of Earth Sciences
India Meteorological Department**

**Press Release
Date: 08th November, 2022
(17 KARTIKA, 1944 SAKA ERA)**

Time of Issue: 1530 hrs IST

Subject: TOTAL ECLIPSE OF THE MOON

A total lunar eclipse will occur on 8 November, 2022 (17 Kartika, 1944 Saka Era). The eclipse is visible from all places of India at the time of Moonrise. However, the beginning of the partial and total phases of the eclipse is not visible from any places of India as the phenomena will be in progress before Moonrise. Ending of both the total and the partial phases is visible from the eastern parts of the country. Only the ending of the partial phase is visible from the rest parts of the country.

This eclipse will be visible in the region covering South America, North America, Australia, Asia, the North Atlantic Ocean, and the Pacific Ocean.

The eclipse will begin at 14 hr 39 min IST. The total eclipse will start at 15 hr 46 min IST. The ending time of totality is 17h 12m IST and the ending time of partial phase is 18h 19m IST.

For the cities in eastern parts of the country, like Kolkata and Guwahati, at the time of Moonrise, the total phase of the eclipse will be in progress. For Kolkata, the duration of totality from Moonrise time upto the end is 20 min and the duration from Moonrise time upto end of partial eclipse is 1 hr 27 min. For Guwahati, the duration of totality from Moonrise time upto end is 38 min and the duration from Moonrise time upto end of partial eclipse is 1 hr 45 min.

For the other cities like Delhi, Mumbai, Chennai & Bengaluru, at the time of Moonrise, the partial eclipse after the end of totality will be in progress and for the above cities, the duration from the Moonrise time upto the end of partial eclipse will be 50 min, 18 min, 40 min and 29 min respectively.

The next lunar eclipse which will be visible from India is on 28th October, 2023 and the same is a partial eclipse.

Last lunar eclipse which was visible from India was on 19 November, 2021 and it was a partial eclipse.

Lunar Eclipse occurs on a full moon day when the earth comes in between the Sun and the Moon and when all the three objects are aligned. A total lunar eclipse will occur when the whole moon comes under the umbral shadow of the Earth and the partial lunar eclipse occurs when only when a part of the moon comes under shadow of the Earth.

A table relating to local circumstances of some places in India is appended separately for ready reference.

TOTAL ECLIPSE OF THE MOON, 8 NOVEMBER, 2022

PHASES OF ECLIPSE VISIBLE FROM CERTAIN PLACES OF INDIA

Places	Moonrise Time (IST)	Umbral phase begins at 14h 39m (IST)	Totality begins at 15 h 46m (IST)	Totality Ends at 17h 12m (IST)	Umbral phase Ends at 18 h 19m (IST)	Duration of eclipse (from Moonrise time upto the end of umbral phase)
	h m	h m	h m	h m	h m	h m
Agartala	16 38	Beginning of partial phase is not visible as the phenomenon will be in progress before moonrise of any place in India	Beginning of totality phase is not visible as the phenomenon will be in progress before moonrise of any place in India	Visible	Visible	1 41
Ahmadabad	17 56			*	Visible	0 23
Aijawl	16 32			Visible	Visible	1 47
Ajmer	17 43			*	Visible	0 36
Allahabad	17 15			*	Visible	1 04
Amritsar	17 33			*	Visible	0 46
Bangalore	17 50			*	Visible	0 29
Bhagalpur	16 54			Visible	Visible	1 25
Bhopal	17 36			*	Visible	0 43
Bhubaneswar	17 06			Visible	Visible	1 13
Cannanore	18 01			*	Visible	0 18
Chandigarh	17 23			*	Visible	0 56
Chennai	17 39			*	Visible	0 40
Cochin	17 59			*	Visible	0 20
Cooch Behar	16 42			Visible	Visible	1 37
Cuttack	17 05			Visible	Visible	1 14
Darjeeling	16 46			Visible	Visible	1 33
Dehradun	17 22			*	Visible	0 57
Delhi	17 29			*	Visible	0 50
Dibrugarh	16 17			Visible	Visible	2 02
Dwarka	18 12			*	Visible	0 07
Gandhinagar	17 55			*	Visible	0 24
Gangtok	16 44			Visible	Visible	1 35
Guwahati	16 34			Visible	Visible	1 45
Gaya	17 03			Visible	Visible	1 16
Haridwar	17 21			*	Visible	0 58
Hazaribagh	17 02			Visible	Visible	1 17
Hubli	17 55			*	Visible	0 24
Hyderabad	17 40			*	Visible	0 39
Imphal	16 26			Visible	Visible	1 53
Itanagar	16 24			Visible	Visible	1 55
Jaipur	17 37			*	Visible	0 42
Jalandhar	17 28			*	Visible	0 51
Jammu	17 31			*	Visible	0 48
Kanyakumari	17 57	*	Visible	0 22		
Kavalur	17 42	*	Visible	0 37		
Kavaratti	18 11	*	Visible	0 08		
Kohima	16 24	Visible	Visible	1 55		
Kolhapur	17 59	*	Visible	0 20		
Kolkata	16 52	Visible	Visible	1 27		
Koraput	17 21	*	Visible	0 58		
Kozikode	17 59	*	Visible	0 20		

* Indicates Moon rises after the corresponding phenomenon (i.e. corresponding phenomenon is not visible)

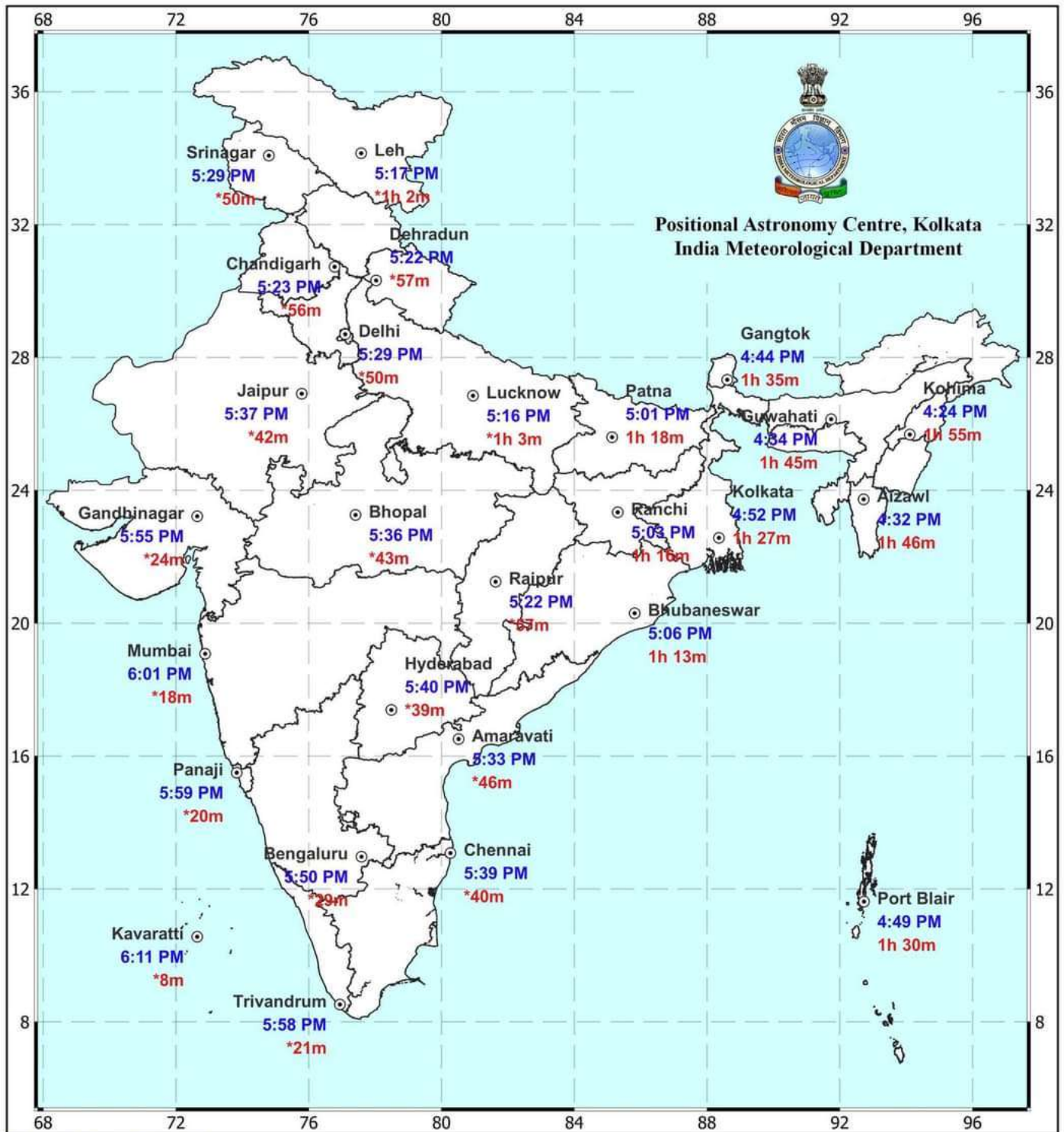
PHASES OF ECLIPSE VISIBLE FROM CERTAIN PLACES OF INDIA

Places	Moonrise Time (IST)	Umbral phase begins at 14h 39m (IST)	Totality begins at 15 h 46m (IST)	Totality Ends at 17h 12m (IST)	Umbral phase Ends at 18 h 19m (IST)	Duration of eclipse (from Moonrise time upto the end of umbral phase)
	h m	h m	h m	h m	h m	h m
Lucknow	17 16	Beginning of partial phase is not visible as the phenomenon will be in progress before moonrise of any place in India	Beginning of totality phase is not visible as the phenomenon will be in progress before moonrise of any place in India	*	Visible	1 03
Madurai	17 52			*	Visible	0 27
Mangalore	18 01			*	Visible	0 18
Midnapore	16 57			Visible	Visible	1 22
Mount Abu	17 53			*	Visible	0 26
Mumbai	18 01			*	Visible	0 18
Murshidabad	16 49			Visible	Visible	1 30
Muzaffarpur	16 59			Visible	Visible	1 20
Mysore	17 54			*	Visible	0 25
Nagpur	17 32			*	Visible	0 47
Nalgonda	17 37			*	Visible	0 42
Nasik	17 56			*	Visible	0 23
Nellore	17 38			*	Visible	0 41
Nowgong	17 25			*	Visible	0 54
Panaji	17 59			*	Visible	0 20
Patna	17 01			Visible	Visible	1 18
Pondicherry	17 42			*	Visible	0 37
Pune	17 58			*	Visible	0 21
Port Blair	16 49			Visible	Visible	1 30
Puri	17 07			Visible	Visible	1 12
Raipur	17 22			*	Visible	0 57
Rajamundry	17 25			*	Visible	0 54
Rajkot	18 05			*	Visible	0 14
Ranchi	17 03			Visible	Visible	1 16
Sambalpur	17 12			*	Visible	1 07
Shillong	16 33			Visible	Visible	1 46
Shimla	17 24			*	Visible	0 55
Sibsagar	16 20			Visible	Visible	1 59
Silchar	16 31			Visible	Visible	1 48
Siliguri	16 46			Visible	Visible	1 33
Silvassa	17 58			*	Visible	0 21
Srinagar	17 29			*	Visible	0 50
Sringeri	17 57			*	Visible	0 22
Tamelong	16 25			Visible	Visible	1 54
Thanjavur	17 46	*	Visible	0 33		
Thiruvananthapuram	17 58	*	Visible	0 21		
Trichur	17 57	*	Visible	0 22		
Udaipur	17 49	*	Visible	0 30		
Ujjain	17 43	*	Visible	0 36		
Vadodara	17 54	*	Visible	0 25		
Varanasi	17 10	Visible	Visible	1 09		
Vijayawada	17 33	*	Visible	0 46		

* Indicates Moon rises after the corresponding phenomenon (i.e. corresponding phenomenon is not visible)

Beginning & Duration of the Total Lunar Eclips

08 November 2022, 17 Kartika 1944 Saka Era, Tuesday



Moonrise Time in Blue Colour

Duration of the eclipse in Red Colour

* Indicates totality will not be visible. # The eclipse begins before Moonrise.

The timings are expressed in IST