

**THE TOTAL ECLIPSE OF THE SUN, MARCH 9, 2016**  
**LOCAL CIRCUMSTANCES OF THE PARTIAL PHASE RELATING TO**  
**VARIOUS PLACES IN INDIA**

Place	Sunrise (IST)	Eclipse Begins (IST)	Greatest Phase (IST)	Obscuration in percentage At the time of greatest phase	Eclipse Ends (IST)	Duration
	h m	h m	h m		h m	h m
Agartala	5 40	-	6 09.0	15.1%	6 51.5	1 11.5
Aizawl	5 35	-	6 09.4	15.3%	6 52.5	1 17.5
Allahabad	6 19	-	-	-	6 46.6	0 27.6
Bangalore	6 32	-	-	-	6 47.4	0 15.4
Bhagalpur	5 59	-	6 09.6	12.8%	6 48.2	0 49.2
Bhopal	6 36	-	-	-	6 46.9	0 10.9
Bhubaneswar	6 01	-	6 03.5	24.5%	6 49.4	0 48.4
Cannanore	6 40	-	-	-	6 47.1	0 07.1
Chandigarh	6 40	-	-	-	6 42.6	0 02.6
Chennai	6 21	-	-	-	6 47.9	0 26.9
Cochin	6 35	-	-	-	6 46.8	0 11.8
Cooch Behar	5 48	-	6 11.8	10.4%	6 49.0	1 01.0
Cuttack	6 01	-	6 03.7	23.9%	6 49.4	0 48.4
Darjeeling	5 53	-	6 12.5	9.3%	6 47.8	0 54.8
Dehradun	6 35	-	-	-	6 43.0	0 08.0
Delhi	6 38	-	-	-	6 44.6	0 06.6
Dibrugarh*	5 25	5 41.8	6 15.9	8.2%	6 52.4	1 11.4
Gangtok	5 52	-	6 12.8	8.8%	6 47.8	0 55.8
Guwahati	5 40	-	6 12.4	10.7%	6 50.4	1 10.4
Gaya	6 07	-	6 08.4	14.1%	6 47.8	0 40.8
Haridwar	6 34	-	-	-	6 43.3	0 09.3
Hyderabad	6 29	-	-	-	6 47.7	0 18.7
Imphal*	5 31	5 32.4	6 11.2	13.4%	6 52.9	1 20.5
Itanagar*	5 32	5 40.5	6 14.7	8.9%	6 51.2	1 10.6
Jaipur	6 44	-	-	-	6 45.7	0 01.7
Kanyakumari	6 30	-	-	-	6 46.6	0 16.6
Kavalur	6 2 6	-	-	-	6 47.6	0 21.6
Kohima*	5 28	5 35.4	6 12.8	11.5%	6 52.9	1 17.5
Kolkata	5 51	-	6 06.5	18.5%	6 50.1	0 59.1
Lucknow	6 23	-	-	-	6 45.8	0 22.8

‘ - ‘ indicates phenomenon begins before sunrise.

‘\*’ Places where beginning of eclipse is also visible

**THE TOTAL ECLIPSE OF THE SUN, MARCH 9, 2016**  
**LOCAL CIRCUMSTANCES OF THE PARTIAL PHASE RELATING TO**  
**VARIOUS PLACES IN INDIA**

Place	Sunrise (IST)	Eclipse Begins (IST)	Greatest Phase (IST)	Obscuration in percentage at the time of greatest phase	Eclipse Ends (IST)	Duration
	h m	h m	h m		h m	h m
Madurai	6 28	-	-	-	6 47.0	0 19.0
Mangalore	6 43	-	-	-	6 47.2	0 04.2
Murshidabad	5 52	-	6 08.9	14.5%	6 49.5	0 57.5
Muzaffarpur	6 04	-	6 10.5	11.3%	6 47.2	0 43.2
Mysore	6 35	-	-	-	6 47.2	0 12.2
Nagpur	6 27	-	-	-	6 47.5	0 20.5
Nalgonda	6 26	-	-	-	6 47.9	0 21.9
Panaji	6 47	-	-	-	6 47.5	0 00.5
Patna	6 05	-	6 09.6	12.4%	6 47.5	0 42.5
Pondicherry	6 23	-	-	-	6 47.6	0 24.6
Port Blair	5 31	-	5 56.2	48.9%	6 53.7	1 22.7
Puri	6 01	-	6 02.8	25.7%	6 49.5	0 48.5
Raipur	6 18	-	-	-	6 47.9	0 29.9
Ranchi	6 04	-	6 06.9	17.2%	6 48.5	0 44.5
Shillong	5 39	-	6 11.5	11.7%	6 50.9	1 11.9
Shimla	6 39	-	-	-	6 42.2	0 03.2
Sibsagar*	5 27	5 39.3	6 14.6	9.0%	6 52.3	1 13.0
Silchar	5 35	-	6 10.7	13.2%	6 52.1	1 17.1
Siliguri	5 53	-	6 11.7	9.9%	6 48.3	0 55.3
Sringeri	6 40	-	-	-	6 47.3	0 07.3
Tamelong*	5 31	5 34.2	6 12.0	12.7%	6 52.7	1 18.5
Thanjavur	6 24	-	-	-	6 47.3	0 23.3
Thiruvananthapuram	6 33	-	-	-	6 46.5	0 13.5
Tiruneveil	6 29	-	-	-	6 46.8	0 17.8
Trichur	6 35	-	-	-	6 47.0	0 12.0
Ujjain	6 43	-	-	-	6 46.9	0 03.9
Varanasi	6 13	-	-	-	6 47.0	0 34.0