

**CATALOGUE OF EARTHQUAKES IN MAINLAND GUJARAT FROM EARLIEST TIME TO  
MAY 2008**

Year	Month	Date	Origin time	Lat(N)	Long(E)	Depth	Magnitude	Intensity	Location	Ref.
1684				21.20	72.90		3.7		Surat	USGS
1821	08	13		22.70	72.70		4.6		Kaira	USGS
1840	11	10		23.05	72.67		4.6		Ahmedabad	USGS
1842	10	09		22.30	73.20		4.3	V	Baroda	OLD
1843	02	08		23.00	72.70		3.7	IV	Ahmedabad	OLD
1848	04	26		24.40	72.70		5.7	VII	Mount Abu	OLD
1856	12	25		20.00	73.00		5.7	VII	Surat	CHAN
1858	12	31		21.00	75.00		4.3	V	Khandeish	OLD
1863	11	18		22.00	75.00		5.0	VI	Barwani	IMD
1864	04	29		22.30	72.80		5.7	VII	Ahmedabad	CHAN
1869	07	04		20.20	74.20		4.3	V	Nasik	OLD
1869	07	12		20.90	74.80		4.3	V	Dhulia	OLD
1871	01	03		21.20	72.90		4.3	V	Surat	OLD
1871	01	31		21.20	72.90		5.0		Surat	IMD
1897	10	00		23.00	72.70		3.7		Ahmedabad	USGS
1898	10			23.05	72.67		4.3		Kheda	USGS
1906	08	15		24.40	72.70		4.3	V	Near Mount Abu	USGS
1962	09	01	22 01 30.00	24.00	73.00		4.6		Palanpur	IMD
1967	01	06	11 41 34.00	21.97	74.27		4.5		Tankhala	IMD
1969	10	24	11 45 55.50	24.76	72.54	31.00	5.5		Mount Abu	IMD
1970	03	23	01 53 01.00	21.60	72.96	8.00	5.4		Bharuch	USGS
1970	08	09		21.70	73.00		3.5		Bharuch	USGS
1970	08	30		21.70	73.00		4.1		Bharuch	USGS
1970	09	10		21.60	72.70		3.4		Bharuch	USGS
1971	06	18		21.70	73.00		3.4		Bharuch	IMD
1974	10	20		21.70	74.20		4.6		Narmada	USGS
1975	09	25		20.80	74.20		4.2		Gujarat	USGS
1978	04	10	09 10 03.00	21.84	72.90		3.0		Amod	IMD
1978	11	25	10 09 40.00	21.97	72.91		2.8		Amod	IMD
1979	06	09	22 43 19.00	21.83	73.85		2.6		Rajpipla	GERI
1979	12	10	22 19 35.00	21.90	72.90		3.2		Amod	GERI
1980	03	18	18 22 08.00	21.81	73.03		2.9		Nabipur	GERI
1980	06	04	11 16 00.00	21.68	73.21		2.6		Nartrang	GERI
1980	06	04	11 17 00.00	21.68	73.21		3.1		Nartrang	GERI
1980	08	27	06 20 00.00	22.82	72.82		2.7		Chandraga	GERI
1980	10	20	11 40 00.00	21.96	72.95		2.6		Kevadia	GERI
1982	03	10	03 45 00.00	21.38	73.00		3.1		Bharuch	GERI
1982	06	24	01 27 00.00	22.00	72.88		3.6		Amod	GERI
1985	04	27	04 59 50.50	20.66	73.21		4.6		Dharampur	GERI
1986	02	26	12 47 55.46	20.48	73.72	33.00	4.3		Gujarat	USGS
1986	11	15	00 25 07.69	24.45	73.57	22.10	4.1		Near Mount Abu	ISC
1987	12	31		21.71	74.38		3.5		Narmada	GERI
1989	06	21	15 35 38.50	20.09	72.91	33.00	4.1		Valsad	ISC

1991	01	30	10 44 30.50	20.55	73.15		4.6		Anklach	GERI
1993	12	31	13 32 04.31	21.12	72.72	35.20	4.1		Rajula	ISC
1996	11	17	18 12 26.97	21.40	73.06	10.00	4.0		Gujarat	ISC
2008	05	20	08 57 27.3	21.16	73.05	7.40	M <sub>w</sub> 3.2		Surat	ISR

### References:

OLD- Oldham, 1883, Catalogue of Indian Earthquakes, *Mem. Geol. Surv. India*, 19, 163-215.

CHAN- Umesh Chandra, 1977, *Bulletin of Seismological Society of America*, Vol.67 (5), pp. 1387-1413

IMD- India Meteorological Department, New Delhi, India

USGS- United States Geological Survey (USGS), National Earthquake Information Center

ISC- International Seismological Center, U.K.

GERI- Gujarat Engineering Research Institute, Gujarat, India

ISR- Institute of Seismological Research (ISR), Gandhinagar, Gujarat