

## **STORM SURGE GUIDANCE BASED ON 0000 UTC OF 17<sup>TH</sup> MAY**

Tidal wave above astronomical tide is likely to inundate coastal areas as per details below:  
about 3 m over Junagarh, 1-2.5 m over Diu, Gir Somnath, Amreli, Bharuch, Bhavnagar, Ahmedabad, Anand, Surat and about 0.5 -1m over Devbhoomi Dwarka , Jamnagar, Porbandar, Kutch the remaining coastal districts of Gujarat during the time of landfall.(Details given in Annexure-I).

Storm Surge Guidance based on INCOIS Bulletin

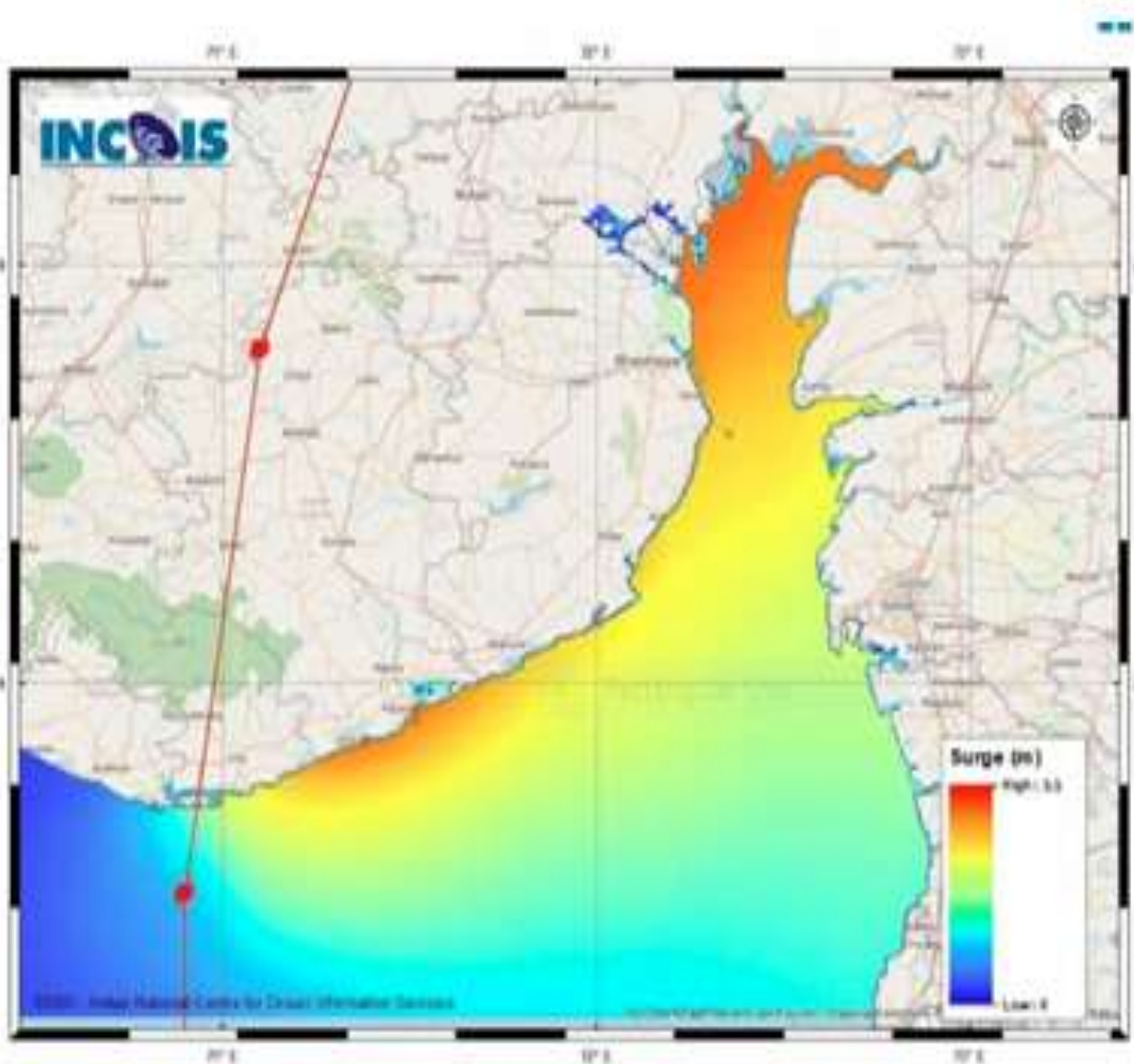


Figure:Storm Surge Map

**STORM SURGE HEIGHT INFORMATION:**

\* The below listed surge heights are over and above astronomical tide.

MANDAL/TALUK	DISTRICT	STATE / UNION TERRITORY	NEAREST PLACE OF HABITATION	STORM SURGE (m) *	EXPECTED INUNDATION EXTENT (km)
Dhandhuka	Ahmadabad	Gujarat	Mitli	0.9-3.5	Upto 4.75
Rajula	Amreli	Gujarat	Patva	1.6-3.3	Upto 0.79
Bhavnagar	Bhavnagar	Gujarat	Narbad	0.3-3.2	Upto 2.44
Jafarabad	Amreli	Gujarat	Rohisa	1.8-3.1	Upto 0.23
Una	Junagadh	Gujarat	Una	0.8-3	Upto 0.91
Borsad	Anand	Gujarat	Tithor	2.1-2.9	Upto 0.35
Mahuva	Bhavnagar	Gujarat	Gadhada	1.6-2.9	Upto 0.27
Mundra	Bhavnagar	Gujarat	Vadgam	2.7-2.7	Upto 1.02
Talaja	Bhavnagar	Gujarat	Talaja	1.9-2.7	Upto 0.39
Vagra	Bharuch	Gujarat	Harinagar	1.9-2.7	Upto 0.59
Diu	Diu	Daman and Diu	Diu	1.2-2.5	Upto 0.70
Bharuch	Bharuch	Gujarat	Kasva	1.4-2.4	Upto 0.19
Hansot Mahal	Bharuch	Gujarat	Kantiyajal	1.1-2.4	Upto 3.39
Hazira	Surat	Gujarat	Hajira Ina (ina)	1.3-2.2	Upto 1.03
Olpad	Surat	Gujarat	Vansva	1.6-2.2	Upto 0.63
Navsari	Navsari	Gujarat	Borsi	1.1-2	Upto 0.54
Gandevi	Navsari	Gujarat	Mendhar	0.8-1.7	Upto 1.23
Valsad	Valsad	Gujarat	Malvan	1.2-1.6	Upto 0.31
Kodinar	Gir Somnath	Gujarat	Kodinar	0.7-1.5	Upto 0.45
Daman	Daman	Daman	Upto 0.12	1	1-4
Umargam	Valsad	Gujarat	Umargam	1.3-1.4	Upto 0.20
Dahanu	Palghar	Maharashtra	Narpad	0.4-1.2	Upto 1.05
Palghar	Palghar	Maharashtra	Akkarpatti	0.4-1	Upto 0.54
Vasai	Palghar	Maharashtra	Jalsar	0.7-0.8	Upto 1.11
Wada	Thane	Maharashtra	Juchandra	0.7-0.7	Upto 0.21
Alibag	Raigarh	Maharashtra	Ranjankhar Davali	0.2-0.6	Upto 1.90
Bombay	Mumbai City	Maharashtra	Greater Bombay	0.5-0.6	Nil
Panvel	Raigarh	Maharashtra	Gavhan	0.6-0.6	Upto 0.58
Uran	Raigarh	Maharashtra	Sheva	0.5-0.6	Upto 2.25