

# SHORELINE CHANGE MAP ANDHRA PRADESH



### Shoreline change Trend for Period 1989 - 2021

- █ High Erosion
- █ Moderate Erosion
- █ Low Erosion
- █ Stable
- █ Low Accretion
- █ Moderate Accretion
- █ High Accretion

### Shoreline Date

- 31/10/1989
- 18/03/1999
- 04/02/2006
- 03/03/2010
- 13/03/2015
- 13/03/2021

### Data Sources : Satellite Data

| Sensors         | Date of acquisition |
|-----------------|---------------------|
| Landsat5TM      | 31/10/1989          |
| IRS P3-LISS-III | 18/03/1999          |
| IRS P6-LISS-III | 04/02/2006          |
| IRS P6-LISS-III | 03/03/2010          |
| Landsat8-OLI    | 13/03/2015          |
| Landsat8-OLI    | 13/03/2021          |

- National Highway
- State Highway
- District Road



Toposheet Grid (1:25,000)



- Habitation
- █ Port
- Groyne
- Breakwater
- ▨ Rock
- ▨ Seawall
- Mandal Boundary
- District Boundary
- █ Tank/Pond/Lake
- █ River/Creek

| S.No         | Shoreline Classification (m/year) | length in Km |
|--------------|-----------------------------------|--------------|
| 1            | High Erosion (> -5)               | 0.00         |
| 2            | Moderate Erosion (-5 to -2)       | 0.00         |
| 3            | Low Erosion (-2 to -0.5)          | 1.28         |
| 4            | Stable Coast (-0.5 to +0.5)       | 5.04         |
| 5            | Low Accretion (+0.5 to +2)        | 13.86        |
| 6            | Moderate Accretion (+2 to +5)     | 1.27         |
| 7            | High Accretion (> +5)             | 0.00         |
| <b>Total</b> |                                   | <b>21.46</b> |