

GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
**RAJYA SABHA**  
**UNSTARRED QUESTION No. - 31**  
ANSWERED ON 20/07/2023

**SHALLOW WATER BATHYMETRY SURVEY IN EEZs**

**31. SHRI V. VIJAYASAI REDDY:**

Will the Minister of **EARTH SCIENCES** be pleased to state:

- (a) aims and objectives of shallow water bathymetry survey in EEZs on the East coast of the country;
- (b) the benefits of bathymetry survey;
- (c) whether it is a fact that bathymetry survey was taken up from Machilipatnam to Odisha border;
- (d) if so, details thereof and status of completion of survey; and
- (e) to what extent this benefit the fishermen in coastal areas of Andhra Pradesh?

**ANSWER**  
THE MINISTER OF EARTH SCIENCES  
(SHRI KIREN RIJJU)

- (a) Aims and objectives are to carry out detailed and comprehensive shallow water bathymetry survey along the East Coast of India (0 to 30m water depth) by using single-beam echo sounder.
- (b) This shallow water bathymetry data is essential for near-shore modelling, inundation mapping, coastal flooding and coastal process studies. The shallow water bathymetry data is useful to understand seabed morphology for managing disasters due to storm surges, flooding, Tsunamis and for coastal erosion.
- (c) Yes Sir.
- (d) The shallow water bathymetry survey has been completed for the entire Andhra Pradesh Coast, covering the Machilipatnam to Odisha border by using the state-of-art technology.
- (e) Bathymetry data when integrated with available fisheries data is useful to understand the influence of shelf morphology and sedimentology in using different fishing gears. Bathymetric data is also needed to select and construct small fishing harbours, fishing jetties and safe beach landings.

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