

**GOVERNMENT OF INDIA  
OCEAN DEVELOPMENT  
LOK SABHA**

UNSTARRED QUESTION NO:3373  
ANSWERED ON:20.03.2001  
NEW UNDER WATER RETRIEVEL DEVICE  
KINJARAPU YERRANNAIDU

**Will the Minister of OCEAN DEVELOPMENT be pleased to state:**

- (a) whether Andhra Pradesh has developed a new under-water retrieval device which can be useful in retrieving/lifting things upto 40 kgs and can be used by submarines as reported in the Indian Express of December 16, 2000.
- (b) If so, the facts of the matter reported therein:
- (c) The reaction of the Government thereto; and
- (d) The extent to which this device will be useful?

**Answer**

MINISTER OF OCEAN DEVELOPMENT (DR. MURLI MANOHAR JOSHI)

(a & b) On the basis of information obtained from Andhra University, it is understood that a multiple grab device has been designed and developed by Prof. A. Joseph as a part of their own activity. An array of 8 grab samplers arranged in a radial symmetry can simultaneously function with a single lock system. The equipment weighs 25 kg and can lift upto 30 kg of objects/samples.

(c & d) The device is still in its developmental stage and is yet to be tested in open sea for evaluation of its operational and functional capability. The device may be used for collecting oceanographic samples and other objects if proven successfully in open sea.