

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO.1185**  
TO BE ANSWERED ON 28.07.2016

**SURVEY OF SAND AREAS RICH IN THORIUM**

1185 SHRI KIRANMAY NANDA:

Will the PRIME MINISTER be pleased to state:

- (a) Whether Government has surveyed and identified areas having sand rich in thorium State-wise; and
- (b) if so, the details of such areas and magnitude of Thorium richness or say potential of Thorium, which can be exploited for production, if any?

**ANSWER**

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH):

---

- (a) & (b) Yes, Sir. AMD a constituent unit of DAE has surveyed and identified resources of the mineral monazite (an ore mineral of thorium rare earth elements and phosphate) in beach and inland sand areas of the country. The State-wise distribution of availability of monazite sand resources with magnitude of Thorium richness is as follows:

S.No.	State	Monazite resources (in million tonnes)
1	ODISHA	2.41
2	ANDHRA PRADESH	3.72
3	TAMIL NADU	2.46
4	KERALA	1.90
5	MAHARASHTRA	0.002
6	GUJARAT	0.003
7	WEST BENGAL	1.22
8	BIHAR	0.22
	TOTAL	11.93

\*\*\*\*\*