

**GOVERNMENT OF INDIA  
ATOMIC ENERGY  
LOK SABHA**

UNSTARRED QUESTION NO:3658  
ANSWERED ON:16.08.2000  
TITANIUM RESERVES  
SRIKANTA DATTA NARASIMHARAJA WADIYAR

**Will the Minister of ATOMIC ENERGY be pleased to state:**

- (a) the approximate reserve of Titanium in the country;
- (b) the location of the Titanium deposited areas in the country, State-wise; and
- (c) the steps taken to extract the Titanium reserved in different parts of the country?

**Answer**

THE MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY (SMT. VASUNDHARA RAJE)

- (a) The reserves of titanium bearing ores in the country viz. ilmenite and rutile are 278 and 13.5 million tonnes respectively.
- (b) The state-wise in situ reserves (estimated) of ilmenite and rutile in the country are as follows :

in situ reserve in million tonnes (estimated)

State	Ilmenite	Rutile
Andhra Pradesh	72.34	02.37
Bihar	0.74	0.01
Kerala	75.21	4.85
Maharashtra	01.67	0.00
Orissa	38.58	1.62
Tamil Nadu	86.90	4.46
West Bengal	02.08	0.19
Total	277.52	13.50

(c) Defence Metallurgical Research Laboratory (DMRL), Hyderabad in collaboration with Nuclear Fuel Complex (NFC), Hyderabad and Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam is developing the technology for production of titanium sponge from the ore, on industrial scale batch sizes. The demand for titanium sponge and the commercial viability of setting up a 400 tonnes titanium sponge plant is presently under evaluation.