

**GOVERNMENT OF INDIA  
SCIENCE AND TECHNOLOGY  
LOK SABHA**

UNSTARRED QUESTION NO:2935  
ANSWERED ON:10.12.2014  
TITANIUM METAL  
Ahlawat Smt. Santosh

**Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:**

- (a) whether the Government has any Scheme of research to develop Titanium Metal in the country;
- (b) if so, the details and present status thereof;
- (c) whether India is technologically capable of producing Titanium Commercially; and
- (d) if so, the details thereof and the steps taken by the Government in this regard?

**Answer**

MINISTER FOR SCIENCE AND TECHNOLOGY AND MINISTER FOR EARTH SCIENCES (DR. HARSH VARDHAN)

(a) & (b): Yes, Madam. The Defence Research and Development Organization (DRDO) through its constituent laboratory Defence Metallurgical Research Laboratory in Hyderabad with focused research on Titanium have already developed the technology for Titanium Metal (popularly known as Titanium Sponge). This technology was established in the Defence Metallurgical Research Laboratory (DMRL), Hyderabad on 3.5 MT per batch scale.

(c) & (d): Yes, Madam. India is technologically capable of producing Titanium commercially. A 500 tonnes per year capacity Titanium Sponge plant funded by Department of Space has commenced production under the management of Kerala Minerals and Metals Limited (KMML) at Chavara, Kerala. This plant is based on the transfer of technology from DRDO.