

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

UNSTARRED QUESTION NO:661  
ANSWERED ON:15.03.2012  
NANO SCIENCE TECHNOLOGY (NANO MISSION)  
Tandon Annu

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

- (a) the progress achieved so far under the Nano Science and Technology (Nano Mission);
- (b) whether any specific technology for medical purpose has been developed under it; and
- (c) if so, the details thereof ?

**Answer**

MINISTER OF STATE IN THE MINISTRY OF PLANNING; MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE MINISTRY OF EARTH SCIENCES (ASHWANI KUMAR)

(a) The Government of India launched a Mission on Nano Science and Technology (Nano Mission) on 3rd May, 2007 with an allocation of Rs. 1000 crore for 5 years. As a result of the policy leadership provided by the Mission and its own programmes, good infrastructure for nanotech R&D has been built, India has emerged 6th worldwide in terms of scientific publications, an active research community of about 1000 researchers has emerged and some interesting applications have already come out of the country. The promotional activities of the Mission have, therefore, laid the foundations for more vigorous R&D programmes in future. A listing of major activities undertaken by the Nano Mission so far is given in the Annexure.

(b) Yes, Madam.

(c) The details of technologies developed for the medical purpose are:

# Membrane scaffolds for wound healing using chitin/chitosan gels containing nanoparticles developed by Centre for Nanotechnology at Amrita Institute of Medical Sciences, Kochi.

# Nanoparticles for ophthalmic drug delivery developed by the Centre for Cellular and Molecular Biology, Hyderabad & USV, Mumbai.