

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

UNSTARRED QUESTION NO:2778
ANSWERED ON:14.03.2013
LABORATORY UNDER CSIR
Sampath Shri Anirudhan

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

- (a) whether the Government has set up any laboratory under the Council of Scientific and Industrial Research (CSIR) in Kerala;
- (b) if so, the details thereof during the last three years and the number of laboratories functioning in that state at present; and
- (c) the details of research works undertaken by those laboratories during that period?

Answer

MINISTER OF SCIENCE AND TECHNOLOGY AND MINISTER OF EARTH SCIENCES (SHRI S. JAIPAL REDDY)

(a) CSIR has one laboratory in the state of Kerala. The laboratory, known as CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), is in Thiruvananthapuram.

(b) In the last three years no new laboratory has been set up by CSIR in the State.

(c) Following are the significant achievements of CSIR-NIIST :

The CSIR-NIIST has published during 2005-2010, the highest proportion of globally top end research of any laboratory in India as per the Bibliometric analysis done by NESTA (UK);

Transfer of technology for Virtual Casting Solver to M/s '3DFOUNDRYTECH';

Development of clean bioprocessing technology of white pepper from fresh & dried pepper. Nine production plants have been set up in Kerala, Karnataka and Tamil Nadu. In addition, the technology has been transferred to six small and medium enterprises;

Technology for Biofilter for odour control for industrial units transferred to: Sai Annapurna Bioproteins, Malappuram- Fish meal factory; Miracle Polymers Ltd., Coimbatore: Reclaim rubber factory; Cochin International Airport Ltd. for sewage treatment plant; Kochi Refineries Ltd. for bitumen off-gas treatment (pilot scale); and Orchid Pharma Ltd., pilot plant ETP;

Ceramic Membrane Based Water Filtration Unit, developed with Cochin Minerals and Rutiles Ltd. Aluva, Kochi and installed in the premises of BHEL;

Development of Thermo Control Inorganic Pigments which Provides energy savings and aesthetic appeal to thermoplastic roofing materials and Reduces heat buildup; and

Development of Fibre Poly Wood (Coir Based): MoU signed with Kerala Furniture Consortium Pvt. Ltd. for commercialization of the technology.