GOVERNMENT OF INDIA MINISTRY OF SCIENCE AND TECHNOLOGY DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH LOK SABHA

UNSTARRED QUESTION NO.3190 (TO BE ANSWERED ON 16.03.2016)

EARTHQUAKE RESISTANT BUILDING

3190. SHRI RAJU SHETTY:

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

- (a) whether any research work has been started by various research laboratories/ institutions for development of earthquake resistant buildings;
- (b) if so, the details of the institutions involved in the said work; and
- (c) the steps being taken to popularise the research works/scientific studies for construction of earthquake resistant buildings?

ANSWER

MINISTER OF STATE FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES

(SHRI Y.S. CHOWDARY)

- (a) Yes, Madam.
- (b) Three CSIR laboratories namely CSIR-Central Building Research Institute (CSIR-CBRI), Roorkee; CSIR-North East Institute of Science and Technology (CSIR-NEIST), Jorhat and CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai are pursuing research related to earthquake resistant buildings.
- (c) CSIR labs have taken following steps for popularization of the developed technologies:
 - organisation of awareness, Training and Demonstration programmes on 'Earthquake Resistant Design, Construction, Retrofitting of Buildings' for masons, practicing engineers and architects;
 - development of documentary movies highlighting construction features, problems and their solutions in Indian context. The movies have been circulated to various stakeholders and uploaded on websites in public domain;
 - contribution in development of Indian standards/guidelines, design procedures based on experimental evidences of Indian masonry and architecture for mass application;
 - publication of research findings in International & National journals, participation in conferences, publication of brochures (in Hindi and English for general awareness) and dissemination of information through print and electronic media; and
 - Presentation through pictorial charts focusing earthquake resistant design features in Exhibitions, Training Programmes etc.
