

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

STARRED QUESTION NO:238
ANSWERED ON:08.08.2000
RESEARCH BY CSIR
UMMAREDDY VENKATESWARLU

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

- (a) whether the Council of Scientific and Industrial Research has made any efforts to improve its research output;
- (b) if so, the details thereof alongwith the extent to which the CSIR has interacted with the private sector to raise funds for research;
- (c) whether there was a proposal for lessening the dependence of CSIR on the Government funding;
- (d) if so, the status thereof;
- (e) the avenues being explored by the CSIR to raise funds for its research activities; and
- (f) the ratio of funds generated by the CSIR thereby to the allocation of funds by the Government ?

Answer

MINISTER FOR HUMAN RESOURCE DEVELOPMENT AND SCIENCE AND TECHNOLOGY (DR. MURLI MANOHAR JOSHI)

(a),(b),(c),(d),(e) & (f) : A Statement is laid on the Table of the House.

STATEMENTS REFERRED TO IN REPLY TO PARTS (a) TO (f) OF LOK SABHA STARRED QUESTION NO 238 ANSWERED ON 8TH AUGUST, 2000.

(a) & (b) The Council of Scientific and Industrial Research (CSIR) has performed its assigned role from time to time in consonance with the national S&T needs and aspirations. Its research output dictated by these needs, measured in terms of scientific research publications, intellectual property generated such as patents technological processes and products made available to industry, the revenue generated from contract R&D, consultancy and rendering S&T services etc. has shown continuous improvement. More specifically recognising the challenges arising out of globalisation, it had drawn up in 1996 the agenda CSIR 2000-Vision & Strategy which inter-alia outlines the mechanisms and instruments for further improving its research and development outputs. These include :-

- (i). reorienting programmes and activities to reflect users involvement,
- (ii). evolving balanced portfolio of projects :some that are market driven and others that are self propelled and drive markets,
- (iii). stimulating and encouraging intellectual property oriented outlook,
- (iv). attracting bright young R&D talent in a floating mode and
- (v). investing in basic research that is harbinger of technology of tomorrow.

CSIR continually interacts with users and stakeholders, including those in the private sector. Research Councils for each laboratory comprise almost wholly of users and stakeholders, including many from the private sector. Besides in each laboratory a dedicated Business Development Group has been set up to enhance the interaction with all users. The highest decision making bodies of CSIR namely the Governing Body and Society have significant external membership. Also at the CSIR level it has executed MOUs with the overarching all India Industry Organisations.

(c) & (d) Yes Sir. The CSIR Society presided by the Hon`ble Prime Minister had directed CSIR to obtain 33.3% of its expenditure or R&D by 1992-93 and 40% by 1999-2000 from sources other than the Central Government core grant. As against this, the CSIR generated 27% of its expenditure in 1999-2000 from sources other than the Government grant.

(e) CSIR has initiated various new measures to mobilise resources for its research activities which inter-alia include forming strategic R&D alliances, synergising competencies and resources by establishing Joint Ventures, entering into long term R&D collaborations with the industry in niche opportunity areas.

(f) During the period 1997-2000 the funds generated by CSIR for R&D were Rs.944 crore, as against the Government allocation of

Rs.2068 crore that is in the ratio of 45:55.