

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

UNSTARRED QUESTION NO:1421  
ANSWERED ON:04.03.2015  
TOOLS DESIGNED BY NGRI  
Kodikunnil Shri Suresh;Reddy Shri Ch. Malla

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

- (a) the details of instruments and geophysical tools which have been designed by the National Geophysical Research Institute (NGRI), Hyderabad since its inception and particularly during the last ten years;
- (b) the details of instruments which have been designed by the NGRI during the above period and commercialized;
- (c) whether barring a few instruments/tools, the institute has miserably failed to commercialize other instruments;
- (d) if so, the reasons therefor; and
- (e) the steps taken or proposed to be taken by the Government to streamline the working of the above institute?

**Answer**

MINISTER OF SCIENCE AND TECHNOLOGY AND EARTH SCIENCES (Dr. HARSH VARDHAN)

(a) & (b) At the time of establishment of CSIR-NGRI in 1961, necessary instruments and equipments related to R&D activities in the domain of Geophysical Field Surveys were not readily available in the market. To meet the in-house requirement, CSIR-NGRI had developed some instruments viz. Electrical Resistivity Meter; Proton Precision Magneto Meter; Seismic Timer; GS-100 (Time Domain EM system for Ground Surveys); Airborne TEM and Magnetometer; and Multipara Logger. These instruments were widely used for in-house research and field data acquisition till 1980s. The know-how of some of these instruments such as Resistivity Meter and Proton Precision

Magneto Meter were transferred for commercial production. With globalization and liberalization many of the geophysical instruments became readily available in the market. Since the major focus of the institute is to interpret and analyze data obtained from these instruments, development of the instruments became irrelevant. Therefore it was decided to discontinue the activity pertaining to Instruments development. Accordingly the instrumentation division of CSIR-NGRR was closed and the concerned staff superannuated/ redeployed. As a result no major instrument was developed during last ten years and hence question does not arise for commercialization.

(c) No Madam. As per the mandate, CSIR-NGRI is carrying out its R&D activities in the domain of earth system science.

(d) Does not arise.

(e) CSIR has in place a well evolved mechanism for monitoring the activities of all the constituent laboratories of CSIR including CSIR-NGRI. CSIR-NGRI has been putting all the necessary efforts to excel in the domain of its operation.