

Rs. 3,62,25,500/- has been spent on ICD works either directly or on deposit basis. This includes an initial advance of Rs. 3 crores out of the committed amount of Rs. 10 crores for the renovation of the District Headquarters hospital of Sundergarh.

(d) At present, NTPC has a total of 29 employees on its rolls comprising 26 executives and 03 non-executives in the Project.

(e) Once project is awarded for construction, Project Affected People (PAP) of Sundergarh District will get opportunities for engagement with contracting agencies, as per requirement.

(f) Darlipalli Super Thermal Power Project would deploy state-of-the-art technology with minimal requirement of manpower particularly in the unskilled category. However, vacancy, if any, will be routed through local employment exchange and preference will be extended to the PAPs based on suitability of candidate and availability of vacancy.

Schemes/projects implemented in Andhra Pradesh

4941. SHRI JESUDASU SEELAM: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) the details of ongoing schemes and projects of the Ministry in Andhra Pradesh during each of the last three years and the current year;

(b) the details of complaints and suggestions received in this regard during the above period;

(c) the action taken thereon and the amount involved in each scheme/project;

(d) whether the full allocation was spent during the above period;

(e) if not, the reasons therefor; and

(f) the steps taken/proposed to be taken by Government for expeditious implementation of these schemes/projects in the State?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI ASHWANI KUMAR): (a) The Ministry of Science and Technology under the ongoing Plan schemes and projects has invested substantial resources for the development of Science and Technology (S and T) in Andhra Pradesh in three national laboratories, *i.e.* Centre for Cellular and Molecular Biology (CCMB), Hyderabad; Indian Institute of Chemical Technology (IICT), Hyderabad; National Geophysical Research Institute (NGRI), Hyderabad; three aided institutions *i.e.* Centre for DNA Fingerprinting in Diagnostics (CDFD), Hyderabad; National Institute of Animal Biotechnology (NIAB), Hyderabad; International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Hyderabad;

universities, colleges and schools; A.P. State Council of Science and Technology; Government of Andhra Pradesh and NGOs in the areas of science and engineering research; bioinformatics; biotech parks, plant, animal, rural, agriculture and marine biotechnology; biodiversity conservation and environment; consultancy clinics; science popularization; biofuels; hospital waste management; drugs and pharma; instrumentation development, drinking water; annual core support, strengthening infrastructure development including Research and Development (R and D), human resource development, S and T entrepreneurship development; S and T for women; science equity, empowerment and development; technology intervention/demonstration for societal needs; intellectual property and patent information centre, technology business incubators, centres of excellence, fellowships for young scientists, awards for school children under the scheme Innovation in Science Pursuit for Inspired Research (INSPIRE), Science Popularisation etc. In all, an amount of Rs. 1669.74 crores was invested for S and T in various organisations of Andhra Pradesh during the last three years (2009-10, 2010-11 and 2011-12) and the current year (2012-13 upto 30th April). The details are given in Statement (*See below*).

(b) No complaints have been received.

(c) Does not arise.

(d) to (f) Under the schemes/programmes of the Ministry, no state-wise allocation is made. Only under the INSPIRE award scheme, funds are released to the State Government as per norms of the scheme for organizing District Level Exhibitions and Project Competitions (DLEPCs)/State Level Exhibitions and Project Competitions (SLEPCs). Funds remaining unutilized during a particular year are used by the state government during the subsequent years for the same purpose. Under this scheme, out of Rs. 5.89 crores released to the state government, only Rs. 3.47 crores was utilized till April 30, 2012. The state government has been advised to organize DLEPCs/SLEPCs for the remaining awardees.

Statement

Details of ongoing scheme and projects of the Ministry of Andhra Pradesh during last three and this years

(Rs. in crores)

Department/Ministry/Agency	2009-10	2010-11	2011-12	2012-13	Total
(A) Department of Science and Technology (DST):					
(i) INSPIRE (Internship, Scholar-					*12.36

Department/Ministry/Agency	2009-10	2010-11	2011-12	2012-13	Total
ship for Higher Education-SHE, Fellowship and faculty scheme) covering 5362 beneficiaries					
(ii) Amount sanctioned under INSPIRE covering 46175 student beneficiaries of awards and organizing District/State level exhibitions and project competitions	Nil	24.01	8.45	Nil	32.46
(iii) SERC (include Science Engineering Research Support (122 projects), Intensification of Research in High Priority Area (IRPHA) (3 projects), Young Scientist Support (68 beneficiaries), Women Scientist Support (88 beneficiaries) and Consolidation of University Research for Innovation and Excellence in Women Universities (CURIE) (1)					82.91
(iv) State Science and Technology Programme	0.35	0.51	4.11	Nil	4.97
(v) Other Schemes (including ARCI, Hyderabad)	69.55	37.04	87.19	0.41	**210.85
SUB-TOTAL					343.55
(B) Department of Biotechnology (DBT) (including CDFD and NIAB)					#155.00
(C) Department of Scientific and Industrial Research (DSIR)	2.83	21.73	14.19	Nil	38.75
(D) Council of Scientific and Industrial Research (CSIR) (including IICT, CCMB, NGRI, Hyderabad)	302.84	297.59	335.28	***191.97	1132.44
GRAND TOTAL					1669.74

- * As per norms, the scholarship for the 153 beneficiaries of 2011 batch will be provided in 2012-13.
- ** Year-wise breakup for National Natural Resources Data Management System (NRDMS) and Technology Mission Cell (TMC) of Rs. 16.66 crores is not available.
- # Yearwise breakup not available.
- *** Allocation made upto 30.04.2012 for financial year 2012-13.

Shortage of qualified scientists

4942. SHRI KANWAR DEEP SINGH:

SHRI N.K. SINGH:

SHRI N. BALAGANGA:

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

- (a) whether there is a shortage of qualified scientists for research and development in various research institutes/laboratories in the country;
- (b) if so, the details thereof and the reasons therefor;
- (c) whether there is migration of these scientists to private sector;
- (d) if so, the details thereof; and
- (e) the steps taken by Government to retain these scientists and to check migration of scientists from the country?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI ASHWANI KUMAR): (a) and (b) No Sir. There is no shortage of qualified scientists for research and development in various research institutions/laboratories under the various departments of the Ministry of Science and Technology in the country.

(c) to (e) No Sir. The number of scientists migrating from Science and Technology (S and T) Departments to private sector is insignificant. However, Government have taken several measures to retain scientists in the research institutions and national laboratories. These measures include successive increase in plan allocations for scientific departments, setting up of new institutions for science education and research, creation of centres of excellence and facilities in emerging and front line areas in academic and national institutes, sharing of proceeds from contractual Research and Development (R and D), consultancy and premia and royalty received from the transfer of technology with scientists, mobility of scientists between national laboratories, academia and industry, setting up of knowledge enterprises while being in service, establishment of incubation centres to nurture start-up companies and enable research commercialisation, induction of new