

CHAPTER – VIII

SCIENCE, TECHNOLOGY & ENVIRONMENT

8.1 SCIENCE & TECHNOLOGY

8.1.1 The Outlay for the 12th Five Year Plan (2012-17) is ₹ 3650.00 lakh. The Actual Expenditure for the Annual Plan 2014-15 was ₹ 241.70 lakh. The Available Outlay for Annual Plan 2015-16 is ₹ 237.00lakh which is expected to be fully utilised. **The Budgetted Outlay for the Annual Plan 2016-17 is ₹ 375.00 lakh** out of which ₹ 300.00lakh is for Scientific Research (inclg S&T) and ₹. 75.00 lakh for the scheme Bio-Technology.

8.1.2 Science & Technology Cell was set up in the Planning Department for promotion of Science & Technology in the State. The Cell undertake various schemes / projects for promotion of Science & Technology in the State. Such programmes include Popularization of Science Programme, Introduction of Appropriate Technology Programme, Specific Projects Programme, Students' Project Programme, S&T Library & Documentation Programme, S&T Entrepreneurship Development Programme, Science Centres Programme, Bio- Resources Development Programme and Remote Sensing Application Programme.

8.1.3 During the Financial Year 2016-17 efforts would be made to strengthen and enhance such activities suitably for implementing the vision for Science & Technology promotion in the State. A number of programmes have been proposed for implementation in the Annual Plan 2016-17. These programmes are as follows:

- a. Popularization of Science Programme
- b. Scientific Research & Development of Appropriate Technology Programme:
- c. Specific Projects Programme
- d. S&T Entrepreneurship Development Programme:
- e. S&T Library & Documentation Programme
- f. Remote Sensing Application Programme

8.2 INFORMATION TECHNOLOGY

8.2.1 The Twelfth Plan outlay (2012-2017) for the Information Technology Department is ₹ 8850.00 Lakh and the actual expenditure during 2014-15 was ₹ 1718.00 Lakh. The Available Outlay for the Annual Plan 2015-16 is ₹.3090.00 Lakh which includes ₹.70.00 Lakh for Centrally Sponsored Schemes and ₹.2300.00 Lakh for Digital Learning Aids and the amount is anticipated to be utilized in full. **The Tentative Budgetted Outlay for the Annual Plan 2016-17 is ₹ 1700.00 Lakh** which includes ₹.100.00 lakh for GIS and Geo Spatial Technology.

8.2.3 During 2015-16, under e-District project, 5 e-governance were launched in East Khasi Hills District, conducting of IT Education and Training by premier institutes, grant of 70% Subsidy for 95 students undergoing Cisco Certified Network Associate (CCNA) Certificate Course conducted by St. Anthony's College, Shillong, implementing of the continuing scheme 'Interactive Digital Class Room' for 10 more schools. The Department plan to replicate the same to other District of the State during the year.

8.2.4 Important schemes/projects/initiatives proposed to be taken up and targeted for 2016-17:

1. Roll out of e-governance services under e-District projects across the State
2. National Optical Fibre Network (NOFN) Project
3. Implementation of Public WiFi in Shillong and Tura
4. Implementation of Digital Classrooms to schools and colleges
5. Implementation of the centralized solution for Geographical Information System (GIS)
6. Capacity Building and ICT Training of Government Officials, etc:
7. Solar Panel for CSC

8.3 ECOLOGY AND ENVIRONMENT

8.3.1 The Twelfth Plan (2012-2017) Approved Outlay for Ecology and Environment Sector is ₹. 1000.00 lakh. The actual expenditure during the 1st three years of the 12th Five Year Plan was ₹. 345.73 lakh. The Available Outlay for 2015-16 is ₹. 95.00 lakh and the anticipated expenditure is ₹. 95.00 lakh. **The Tentative Budgeted Outlay for the Annual Plan 2016-17 is ₹. 100.00 lakh.**

8.3.2 The State Government through the State Forest & Environment Department is taking up various schemes of afforestation, creation & maintenance of nurseries, urban aesthetic & roadside plantations, construction of public sanitary blocks, publicity and awareness measures etc.

8.4 FORESTRY & WILDLIFE

8.4.1 The Approved Outlay for the 12th plan period is ₹. 32600.00 lakh. The actual expenditure during the 1st three years of the 12th five year Plan was ₹. 6917.23 lakh. The Available Outlay for the Annual plan 2015-16 is ₹. 4500.00 lakh which includes ₹. 215.00 lakh as State Share and ₹. 1935.00 lakh as Central Share for CSS. The anticipated expenditure is ₹. 4500.00 lakh. **The Tentative Budgeted outlay for the Annual Plan 2016-17 is ₹. 4800.00 lakh which includes ₹. 2000.00 lakh for CSS.**

8.4.2 Schemes proposed for 2016-17 :- Normal Schemes of Forest & Wildlife sector implemented during the Annual Plan 2015-16 will be continued during the Annual Plan 2016-17 as follows :-

- Education & Training
- Survey of Forest Resources
- Communication and Buildings
- Statistical Planning & Evaluation
- Forest Conservation and Development.
- Plantation schemes
- Preservation of Wildlife and maintenance of Zoological Park & Public Garden
- Forest Research
- Contribution to Eco-Development Society
- Assistance to Public Sector and other Undertakings.

Besides the State Plan schemes, Centrally Sponsored Schemes will also be implemented during 2016-17 viz., the Integrated Forest Protection Scheme for which 90% of the total outlay is funded by the Ministry of Environment & Forests. The scheme is divided into the following components i.e, i) Forest Fire Control & Management, ii) Strengthening of

Infrastructure for Forests iii) Working Plan preparation / Survey and demarcation, iv) Protection & Conservation of Sacred Grooves & vi) Control and Eradication of Forest Invasive Species.

During 2016-17, an amount of ₹ 2000.00 lakh has been earmarked as Central Assistance for CSS including JFM-NAP, Green India Mission, National Bamboo Mission & National Mission on Medicinal Plants.