

CHAPTER – VIII

SCIENCE, TECHNOLOGY & ENVIRONMENT

8.1 SCIENCE & TECHNOLOGY

8.1.1. The Projected Outlay for the 11th Five Year Plan was Rs. 1500.00 lakh and the actual expenditure for the period was Rs. 1166.33 lakh. The Projected Outlay for the 12th Five Year Plan (2012-17) is Rs. 3650.00 lakh. The approved outlay for the Annual Plan 2012-13 is Rs 974.00 lakh and the anticipated expenditure for the year is Rs. 974.00 lakh. For the Annual Plan 2013-14 the sector is provided with a Proposed Outlay of Rs. 800.00 lakh which include Rs.50.00 lakh for Regional Centre for Science & Technology and Rs. 200.00 lakh for Promotion of Bio Technology.

8.1.2. During 2012-13, a number of programmes have been taken-up to promote Science & Technology in the State and the same programmes would also continue during Annual Plan 2013-14

- 1. Popularisation of Science Programme:** This programme has become a regular Science & Technology activity in the State. It is implemented with the objective of inculcating a scientific temper amongst the people of the State and with a mission to ultimately generate scientific-minded citizens in the State. Schemes like State-level Science Environmental Fair, Block-level Science Environmental Fairs, National Children's Science Congress, Meet-the-Scientist Programme, Science Awareness Camps, Environmental Awareness Programme, Science Talent Competitions, Science Exposure Trips, etc., are implemented in the State under this programme. During the 12th Plan period, it is proposed to continue with the Popularisation of Science Programme.
- 2. Introduction of Appropriate Technology Programme:** This is a major thrust programme in the 11th Plan under the Science & Technology sector in the State. This programme is aimed at promoting the application of various appropriate technologies for all round development of the State, particularly at the societal-level. Such technologies are improved chulha, water filtration, low-cost sanitation, stabilised mud-block, organic composting, low-cost cold storage, low-cost oven, pedal pump, hydraulic ram pump, rain water harvesting, paper re-cycling, solar LED lighting, etc. These technologies are propagated in the State through various programmes like Technology Initiation Programme, Technology Demonstration Programme, Technology Experimentation Programme, etc. Under the Technology Initiation Programme, awareness camps, demonstration camps and training camps are organised in different parts of the State at village-level in order to initiate the intervention of appropriate technology at the grass root-level. New and innovative technologies are experimented in the State from time-to-time through the Technology Experimentation Programme. Under Technology Demonstration Programme, successful technologies are demonstrated to the people through various demonstration units installed at different places in the State. Introduction of Appropriate Technology Programme would also continue in the 12th Plan.

3. **Specific Projects Programme:** Specific projects are taken-up from time-to-time in association with various research agencies in the Country with a view to generate scientific solutions to problems affecting the people of the State. This programme will continue in the 12th Plan.
4. **Students' Projects Programme:** Schemes to encourage students to get themselves involved in research-based activities would be initiated. Such schemes would be benefited by students of different levels i.e. school, college and university levels which would also continue in the 12th Plan.
5. **S&T Entrepreneurship Development Programme:** Technology-Oriented Entrepreneurship Development Programmes and Technology-Oriented Entrepreneurship Awareness Camps are organised in the State from time-to-time to expose the unemployed youth to various innovative technologies which could be made used-of for self employment generation which would also continue in the 12th Plan.
6. **S&T Library & Documentation Programme:** Under the Library & Documentation Programme, various scientific journals, books and magazines, etc., are procured regularly for the Library of the State S&T Council. From time-to-time, S&T newsletter, technology leaflets/brochures, etc., are also brought out under this particular programme. Documentation of S&T activities in the State is also taken-up under this particular scheme regularly. S&T Library & Documentation Programme would also continue in the 12th Plan.
7. **Science Centres Programme:** Under this particular programme, financial support is provided to the Shillong Science Centre for its day-to-day activities and its various programmes and projects. The Centre is an institution set-up for promoting science awareness among the public, particularly school children, and is functioning as an autonomous society of the State Govt. Under this programme, financial support is also provided to the State S&T Council for maintaining the Science Halls at different district headquarters. Under this programme, financial support is also provided to the State S&T Council for maintaining the Science Halls at different district headquarters.
8. **Bio-Resources Development Programme:** Under this particular programme, financial support is provided to the Bio-Resources Development Centre for meeting its various day-to-day expenses and expenses for carrying out its various projects and programmes. The Centre was set-up in the State for promotion of the conservation and sustainable utilisation of bio-resources in the State. The Centre is operating as an autonomous society of the State Government. Support to the Bio-Resources Development Centre will also continue during the 12th Plan period under this particular programme. However, few new initiatives would also be taken-up under this programme for meaningful conservation and utilisation of bio-resources in the State.
9. **Remote Sensing Application Programme:** Considering the potential for remote sensing application, including geo-spatial technology application, in various developmental sectors in the State, a number of remote sensing and GIS based-application projects have been proposed for implementation during the 12th Plan period. The proposed projects would be undertaken in close association with the North Eastern Space Applications Centre.
10. **State S&T Cell / S&T Council :** The provision for meeting the various establishment and operational expenses in the State S&T Cell and the State S&T Council would also continue in the 12th Plan.

- 11. Promotion of Regional Centre for Science & Technology :** As part of this programme the Centre is introducing Mobile Science Exhibits so as to reach out to the remote areas of the State to inculcate a scientific temper amongst the rural population of the State.
- 12. Promotion of Biotechnology :** The scheme aims at promotion of Biotechnology in the utilisation of bio-resources of the State, with special emphasis on medicinal herbs. Activities under the scheme includes (i) Survey of potential areas, (ii) Documentation of medicinal herbs and methods of preparation of herbal medicines, doses etc., (iii) Establishment of Herbal Gardens, (iv) Awareness programmes etc. The scheme also expects to achieve its objective by involving experts in the field of biotechnology for further research on the bio-resources of the State and involving the local village administration for organising the various activities of the scheme.

8.1.3. The broad break up of Expenditures for the Eleventh Plan (2007-12) and the Proposed Outlay for 2013-14 are indicated in the Table below:-

SL. No.	Name of Schemes	Eleventh Plan (2007-12) Projected Outlay at 2006-07 Prices	Eleventh Five Year Plan (2007-2012) Actual Expenditure	Actual Expenditure 2011-12	12th Five Year Plan (2012-17) Plan (Projected Outlay)	Annual Plan (2012-13)		Annual Plan 2013-14 (Proposed Outlay)
						Approved Outlay	Anticipated Expenditure	
1	2	3	4	5	6	7	8	9
1	Popularisation of Science Programme (PSP)	300.00	216.00	50.00	300.00	60.00	60.00	100.00
2	Introduction of Appropriate Technology Programme (IATP)	500.00	356.25	110.00	400.00	100.00	100.00	125.00
3	Specific Projects Programme (SPP)	50.00	23.50	0.00	50.00	15.00	9.00	15.00
4	Students' Projects Programme (StPP)	20.00	0.00	0.00	20.00	0.00	0.00	0.00
5	S&T Entrepreneurship Development Programme (S&TEDP)	50.00	17.00	5.00	50.00	15.00	15.00	15.00
6	S&T Library & Documentation Programme (S&T L&DP)	30.00	7.40	0.00	30.00	5.00	0.00	5.00
7	Science Centres Programme (SCP)	150.00	105.00	24.00	150.00	35.00	50.00	100.00
8	Bio-Resources Development Programme (BRDP)	150.00	220.00	58.00	150.00	64.00	65.00	65.00
9	Remote Sensing Application Programme (RSAP)	50.00	8.60	0.00	50.00	5.00	0.00	5.00
10	State S&T Cell/Council (SSTC)	200.00	212.58	66.18	200.00	75.00	75.00	65.00
11	Reigional Centre for Science & Technology				200.00	50.00	50.00	100.00
12	District Innovation Fund			0.00	700.00	350.00	350.00	0.00
13	Sponsored Projects			0.00				5.00
	Total	1500.00	1166.33	313.18	2300.00	774.00	774.00	600.00
	Other Schemes :							
14	Promotion of Biotechnology				1350.00	200.00	200.00	200.00
	Grand Total	1500.00	1166.33	313.18	3650.00	974.00	974.00	800.00

8.2. INFORMATION TECHNOLOGY

8.2.1 The growth and development of the Information Technology sector will continue to receive the attention of the Government especially in the era where e-Governance has touched each and every step of the common man. The vision is to make information technology a tool for attaining all round development in the State and fully participate in the IT revolution, thereby bringing prosperity in the State. The ultimate goal is wealth creation, employment generation and IT led economic growth.

With the above objective in view, the projected Twelfth Plan (2012-2017) outlay for the sector is ` **7500.00 lakh**. During 2012-13 an outlay of ` **3545.00 lakh** was approved which includes ` 200.00 lakh as ACA for NeGP and the amount is anticipated to be utilized in full. **The proposed outlay for Annual Plan 2013-14 is ` 2550.00 lakh which include ` 255.00 lakh as ACA for NeGP.**

8.2.2 Activities proposed to be taken up include building up IT Infrastructure, furnishing of its newly allotted space, setting up of Computer Learning Centres in District Headquarters, participating in IT events, conducting IT related seminars and workshops, contribution towards setting up of IT Park by STPI, Govt. of India, NISG etc. Financial support have also been extended to educational institutions for setting up of CISCO Networking Academies and providing broadband internet connectivity.

8.2.3 During the Annual Plan 2012-13 schemes implemented include – development of the ICT Parks at New Shillong, providing of IT infrastructure to the District Headquarters, Sub-Divisional Headquarters & Block Headquarters, strengthening and augmenting of IT institutions across the State, distribution of awards to meritorious students, Operation & Maintenance of the core NeGP infrastructure projects, promotion of knowledge based enterprises, e-commerce, IT enabled services and IT Education, provision of infrastructure and training for e-governance activities such as connectivity across Departments, etc.

8.2.4 Programmes for 2013-14:-

(i) Development of IT Infrastructure: Strengthening of Capacity Building Infrastructure in areas like Software Development, Networking, Server Administration, Database Administration, etc. so as to take IT development in the State a step forward will be taken under this program. IT Infrastructures (hardware & software) to various government departments in the State will be continued.

(ii) Development of e-Governance: Serious effort has been taken up for the development & popularize of e-Governance to take IT to the masses. Many milestones have been achieved during the last 2-3 years which include setting up of the core infrastructure projects of NeGP i.e SWAN, SDC, CSC, SSDG. Beside these, e-District projects will be taken up in the State to enhance the efficiency of the various Departments at the District level to enable seamless service delivery to the citizen of the State. Areas of process re-engineering and change management, etc. so as to simplify cumbersome processes and procedures of government departments and agencies and to reduce the interface of the public with government officials will be explored.

(iii) Other Promotional Activities : Various workshops, conferences, summits etc. to promote e-Governance & IT related activities so to attract investors in the State are proposed to be taken up under this programme.

(iv) Contribution to ICT Institutions/Meghalaya IT Society : The Meghalaya Information Technology Society, a registered Society under IT Department, was set up and performed as the Nodal Agency. In order to sustain the day to day activities and expenditure of the Society, a corpus fund would be required for the Society.

(v) HRD/IT Advisory to IT Department, Survey, R&D Training: The Government has limited scope for absorbing the educated unemployed youth of the State. In order to make the youth employable in the ICT and related industries, HRD training programme to the youth with international certification so that their job prospect is better both in and outside the State will be continued.

(vi) ACA for NeGP projects: In order to maintain & monitor the NeGP projects set up in the State, the Department needs fund in the form of ACA for operation & maintenance to enable the government departments to fully utilize the infrastructure which have been put in place for the benefit of citizen.

8.2.5 The broad break-up of the Eleventh Plan (2007-12) outlay & expenditure and outlay of the Twelfth Plan (2012-17) and the Annual Plan 2013-14 are indicated in the Table below:-

Sl. No.	Items	Eleventh Plan (2007-12) Projected Outlay	Eleventh Plan Actual Expenditure	Annual Plan (2011-12) Actual Expenditure	Twelfth Plan (2012-17) Outlay	Annual Plan 2012-13		Annual Plan 2013-14 Budgetted Outlay
						Approved Outlay	Anticipated Expenditure	
1.	2.	3.	4.	5.	6.	7.	8.	9.
1.	Development of IT Infrastructure	500.00	683.00	268.70	870.00	135.00	135.00	150.00
2.	Development of e-Governance (Incl. Process re-engineering)	100.00	305.50	130.00	850.00	150.00	150.00	150.00
3.	Other Promotional Activities (includes salaries of JIOs, TA, Medical Allowances & Office Expenses)	125.00	170.08	50.16	440.00	95.00	95.00	100.00
4.	Contribution to ICT Institutions/IT Society	175.00	57.00	15.00	140.00	10.00	10.00	10.00
5.	HRD Training with international certification (IT Education) /IT Advisory to IT Department	500.00	975.00	500.00	2600.00	200.00	200.00	385.00
6.	ACA for NeGP projects	4907.00	861.00	-	2600.00	255.00	255.00	255.00
7.	Special Central Assistance (SCA)	-	-	-	-	2700.00	2700.00	1500.00
	Total:	6307.00	3051.58	963.86	7500.00	3545.00	3545.00	2550.00

8.3. GIS/ GEO SPATIAL TECHNOLOGY

8.3.1 Geographical Information System (GIS) is an integrated technology which enables us to capture, view, analyze, manipulate and to present the geographic information in a geographically referenced format. GIS allows us to view, understand, question, interpret, and visualize data in many ways that reveal relationships, patterns, and trends in the form of maps, globes, reports, and charts. It also helps to answer questions and solve problems by looking at a geographic data in a way that is quickly understood and easily shared. In the recent developments, GIS can be easily integrated with many IT formats, thus making it as a high end and effective technology. GIS as a technology or a systems have numerous benefits, some of the benefits can be listed as under:

- Cost savings and efficiency
- Better decision making
- Improved communications
- Better record keeping
- Managing geographically

8.3.2 The other implementations that can be put forward are:

- Mapping of geographical objects and their locations
- Quantization
- Mapping of densities
- Precision analysis
- Mapping of changes in terms of geographical aspects

8.3.3 GIS applications in Meghalaya

The state of Meghalaya can be largely benefited by using GIS in many ways, for e.g. in agriculture, urban development, soil and forestry etc. It is to mention that the electoral system in the state is also managed by using GIS. GIS has a large scope in many areas in the state of Meghalaya. Pioneering the GIS work in the state, The Meghalaya Information Technology Society having its own GIS labs has taken up many GIS based projects. The following are the completed projects taken up:

- a) Administrative map of Meghalaya
- b) Health infrastructures mapping project
- c) Delineation of block boundary
- d) Mapping of Co-operative societies
- e) Mapping of Road networks

8.3.4 The projected Twelfth Plan (2012-2017) outlay for the sector is ` **1350.00 lakh**. During 2012-13 an outlay of ` **200.00 lakh** was approved and the anticipated expenditure is ` **50.00 lakh**. **The proposed outlay for Annual Plan 2013-14 is ` 200.00 lakh.**

8.3.5 The broad break-up Twelfth Plan (2012-17) and the Annual Plan 2013-14 are indicated in the Table below:-

Rs. in lakhs

Sl. No.	Items	Eleventh Plan (2007-12) Projected Outlay at 2006-07 Prices	Eleventh Plan Actual Expenditure	Annual Plan (2011-12) Actual Expenditure	Twelfth Plan (2012-17) Outlay	Annual Plan 2012-13		Annual Plan 2013-14 Budgetted Outlay
						Approved Outlay	Anticipated Expenditure	
1.	2.	3.	4.	5.	6.	7.	8.	9.
1.	GIS/Geo Spatial Technology	-	-	-	1350.00	200.00	50.00	200.00
	Total =	-	-	-	1350.00	200.00	50.00	200.00

8.4 ECOLOGY AND ENVIRONMENT

8.4.1 The Twelfth Plan (2012-2017) Projected Outlay for Ecology and Environment sector is Rs. 1000.00 lakh. The approved outlay for 2012-13 of Rs. 120.00 lakh is expected to be utilized in full. **The proposed outlay for the Annual plan 2013-14 is Rs. 130.00 lakh.**

8.4.2 State Government through the State Forest & Environment Department has undertaken various measures for maintenance and improvement of the environment and ecological balance in the State which include creation and maintenance of nurseries, urban aesthetic and roadside plantations, setting up of public sanitary blocks, publicity and awareness measures etc. These will be continued during 2013 - 14

8.5 FORESTRY & WILDLIFE

8.5.1 The mandate of the Forests & Environment Department is the protection and management of the government owned Reserved Forests (RFs) & Protected Forests (PFs), enforcement of the Assam Forest Regulation, 1894 adopted by the Meghalaya as the Meghalaya Forest Regulation, 1973; conservation, improvement and sustainable utilization of forests which constitute more than three-fourth of the total geographical area of the State and also the conservation and improvement of wildlife and their habitat in the entire state. The Department today is directly responsible for enforcement of four central statutes; namely the Indian Forest Act, 1927, the Wildlife (Protection) Act, 1972, the Forest (Conservation) Act, 1980 and the Biological Diversity Act, 2002 along with four State statutes; namely the Meghalaya Forest Regulation, 1973; the Meghalaya Forests (Removal of Timber) (Regulation) Act, 1981, the Meghalaya Tree (Preservation) Act, 1976 and the Meghalaya Protection of Catchment Areas Act, 1990. It is also responsible for enforcement and execution of wide ranging orders passed by the Hon'ble Supreme Court of India, Hon'ble Guwahati High Court and other courts of law.

8.5.2 The Twelfth Plan (2012-2017) Projected Outlay for the sector is Rs. 32600.00 lakh. The approved outlay during 2012-13 is Rs. 7175.00 lakh which includes Rs. 4202.00 lakh under TFC award, Rs. 50.00 lakhs for setting up of a Bird Sanctuary, Rs. 300.00 lakhs for the Forestry Mission under the IBDP and Rs. 100.00 lakhs for preservation of critical

catchment areas. The entire amount is anticipated to be utilised in full. **The proposed outlay for the Annual Plan 2013-14 is Rs. 7100.00 lakh including the amount of Rs. 42.02 crore under the Thirteenth Finance Commission Award.**

8.5.3 Objectives and Strategy for the 12th Five Year Plan (2012-2017)

In line with the recommendations of the Vision Document 2030 which state that to effect sustainable forest management practices in community forests, specific areas of intervention and extent of intervention need to be carefully identified along with the need to promote scientific forestry in community and private forests, the Government is taking steps to conserve areas of rich biodiversity where efforts will be made to identify community conservation areas and to provide timely ex-gratia payment to people affected by elephant depredation. Elephant migratory routes will be identified and works to minimise man-elephant conflict undertaken. In matters of development, afforestation on clan/community land through Joint Forest Management Committees will continue. Thrust will be given in medicinal plants and bamboo sectors apart from normal plantations. There will also be measures on protecting catchment areas critical to water supply projects as well as in other critical stream and river banks.

The State of Meghalaya has been entrusted with both regulatory as well as development works. The regulatory works have increased in the wake of the Supreme Court judgement WP 202/95 where cases under FC ACT for various forests etc. have increased tremendously. Creation of enforcement infrastructure as per Supreme Court directions will be initiated in vulnerable areas.

8.5.4 A brief detail of the programmes for 2013-14 are as below :-

8.5.5 Forestry and Wildlife

This scheme aims at intensification of management of forest areas, especially the Reserved Forests, Protected Forests, Green Blocks etc. under its direct administrative control of the department.

8.5.6 Education and Training.

Under this scheme training to front-line field functionaries of the Department in the rank of Forest Guard and Forester at the Forest Guard Training School, Darugiri. Meghalaya Forest Service (MFS) Officers and Forest Rangers on their initial appointment to their respective services are being sent to receive Induction Training at State Forest Service College.

8.5.7 Survey and Utilization of Forest Resources

The Working Plan and Forest Resources Survey Divisions have made preparation of working plan for Government owned forests and survey & inventory of forest resources available in the State to facilitate scientific harvesting management and utilization of the vast forest resources available in the State.

8.5.8 Forest Conservation and Development

Forests are under severe threat from miscreants and organized timber smugglers which need protection through effective patrolling; including strengthening of the patrolling infrastructure viz. purchase of arms and ammunitions, construction of Beats, Sub-beats and patrolling camps etc. in the vulnerable forest areas.

Under this scheme, creation, maintenance and improvement of public parks, children's parks and other information, education and communication (IEC) infrastructure will be taken up.

8.5.9 Social & Farm Forestry

The land belonging to the communities, clans and in some cases lands which are privately owned by individuals are being taken up by the Deptt. for creation and maintenance of plantation and nurseries. This is to augment the work taken up under the National Afforestation Programme and upkeep of existing plantations.

8.5.10 Assistance to Public Sector and Other Undertakings

Under this scheme sanction of grants-in-aid to the Forest Development Corporation of Meghalaya (FDCM) Limited and the Meghalaya State Medicinal Plants Board for carrying out creation and maintenance of medicinal plants and Bamboo which are growing abundantly in the State.

8.5.11 Wildlife Preservation

The major activities under this scheme are conservation and improvement of wildlife and their habitat in general and protection and management of various National Parks and Wildlife Sanctuaries viz. Balpakram National Park, Nokrek National Park, Siju Wildlife Sanctuary, Nongkhylllem Wildlife Sanctuary, Pitcher Plant Sanctuary, in particular. The scheme is also meant for protection works under the four Wildlife Divisions (including Ranges and Beats under their administrative control) and two Wildlife Circles.

8.5.12 Zoological Parks, Public Gardens

There are many parks and gardens in the state which have to be protected, managed, upkeep and improved viz. Lum Nehru Park located at Umiam and the Nehru Park located at Tura, Lady Hydari Park, Wards Lake, State Central Library Park etc.

8.5.13 Other expenditure – Contribution to Eco-Development Society

Funds are provided as grants-in-aid to the Eco-Development Society, Tura to undertake suitable eco-development activities in the vicinity of the Balpakram National park, Nokrek National Park, Siju Wildlife Sanctuary and other wildlife rich areas located in Garo Hills region of the State.

8.5.14 Thirteenth Finance Commission Award

The Thirteenth Finance Commission recommended that there is a paramount need to carry forward the grants-in-aid for maintenance of forests as recommended by its predecessor, i.e, the Twelfth Finance Commission. The Thirteenth Finance Commission has recommended a grant of Rs. 168.08 crore for Maintenance of Forests for five years i.e for the period 2010-11 to 2014-15. Year-wise distribution of the above grant is as below :

2010-11 and 2011-12 :	Rs. 21.01 crore per annum
2012-13 to 2014-15 :	Rs. 42.02 crore per annum

The Thirteenth Finance Commission further recommended that release of the grant during first two years will be unconditional; however release of the above grant during the next three years will be linked to progress on preparation and approval of working plan. During the last three years the entire grant earmarked in favour of a State for the year will be released only if at least 80% of the forest area available in the State is covered by the working plan duly approved by the Ministry of Environment & Forests, Government of India. In case area of

forests covered by approved working plans is less than 80% the release of the grants will be proportionately reduced. The Thirteenth Finance Commission further recommended that 75% of the above grant will be for developmental purposes and the remaining 25% is for preservation of forests wealth.

8.5.15 Achievements made during the Eleventh Plan Period :-

- i) During the Eleventh Plan period, creation, plantations and maintenance of plantation nurseries were taken up in the State both within the govt. lands and the community/privately land covering an area of about 17546 hectare.
- ii) The number of seedlings raised under forest nurseries which were distributed to the public was about 99,14,000 Nos.

CENTRALLY SPONSORED SCHEME – Intensification of Forest Management Scheme.

The Central Government has been providing financial assistance to the State Forest Departments to supplement their efforts of forest protection through a Centrally Sponsored Scheme called Integrated Forest Protection Scheme for which 90% of the total outlay is funded by the Ministry of Environment & Forests, Government of India. The Scope of this Scheme has been expanded by adding four new components which are forest management interventions and accordingly the name of the Scheme has been changed to Intensification of Forest Management Scheme.

The scheme is divided into the following components :

- **Forest Fire Control and Management** containing various items of work to prevent and successfully manage and control accidental forest fires.
- **Strengthening of Infrastructure for Forest** containing various items of works for upgradation of the existing infrastructure facilities available with the Forest Department to ensure successful implementation of its assigned duties.
- **Working Plan Preparation/ Survey and Demarcation** containing provisions for survey & assessment of the forestry resources available in the state and preparation of working plans for scientific amangaement of these resources on the principals of sustainability.
- **Conservation and Restoration of Unique vegetation and Eco-system.**
- **Protection and Conservation of Sacred Groves.**
- **Control and Eradication of Forest Invasive Species.**

The amount released by Government of India for this scheme for 2012-13 is Rs. 164.78 lakh as central share and Rs. 16.07 lakh is state share. The proposed outlay for 2013-14 is Rs. 555.00 i.e Rs. 500.00 lakh as central share and Rs. 55.00 lakh as state share.

8.5.16. Proposed 12th Plan & Annual Plan 2013-14 outlay :-

The break up of the expenditure of the 11th Five Year Plan & the outlay proposed for the 12th Five Year Plan and the Annual Plan 2013-14 as indicated in the table below :-

(Rs.in lakh)

Name of scheme	11 th Plan projected outlay (2007-12)	Cummulative actual expenditure 2007-08 to 2011-12	Approved outlay 2012-13	Anticipated expenditure 2012-13	Proposed Outlay for the 12 th Plan	Proposed Outlay for Annual Plan 2013-14
Direction & administration	1200.00	942.37	262.36	262.36	1500.00	282.00
Training	500.00	365.53	71.00	71.00	794.00	116.00
Survery of Forest Resources	270.00	197.48	42.50	42.50	400.00	43.00
Statistics	150.00	87.15	7.50	7.50	200.00	7.00
2406-070-Communication & Bldg	300.00	523.66	843.00	843.00	700.00	240.00
Forest Conservation & Dev	1000.00	676.75	165.80	165.80	1000.00	141.00
Social & Farm Forestry	3000.00	2140.19	951.12	751.12	6500.00	716.00
Assistance to public sector & farm other undertakings	300.00	206.75	90.00	90.00	900.00	415.00
Preservation of wildlife	2500.00	907.69	289.13	289.13	6000.00	340.00
Zoological parks	200.00	104.70	41.40	41.40	300.00	42.00
Public gardens	200.00	202.76	61.69	61.69	400.00	62.00
Contribution to Eco Development Society	200.00	264.44	67.50	67.50	750.00	67.00
Forest Conservation Development & Regeneration	-	1000.00				
12 th /13 th Finance Commission Award (a) Maintenance of forest (b) Establishment of Zoological Parks & Botanical Garden	4100.00	6851.00	4202.00	4202.00	12606.00	4202.00
Bamboo Mission	1500.00	-	-	-	-	-
Agricultural Research & Education	100.00	76.14	13.00	13.00	500.00	14.00
4406-Communication & Building	480.00	1573.66	17.00	17.00	50.00	313.00
Setting up of Bird Sanctuary	-	-	50.00	50.00	-	-
Meghalaya Eco-Development Society	-	-	-	-	-	100.00
Total	16000.00	16120.27	7175.00	6975.00	32600.00	7100.00