

CHAPTER – VI

INDUSTRIES & MINERALS

6.1. VILLAGE & SMALL INDUSTRIES

6.1.1 The Projected Outlay for the 12th Plan (2012-17) is Rs.5100.00 lakhs. The Approved outlay for 2012-13 is Rs.1200.00 Lakhs and the anticipated expenditure is Rs.1164.00 lakhs. The Proposed Outlay for 2013-14 is Rs.2300.00 lakhs which includes Rs. 100.00 lakhs for Apiculture Mission under IBDP.

6.1.2 Achievements during the 11th Plan period 2007-2012 is as follow:-

During the Eleventh plan period the department has been able to create employment to 10,863 nos. of unemployed youths through 2752 nos. of registered Micro and Small Enterprises in various parts of the State with an investment of Rs. 8659.00 lakhs. Under the Package Scheme of Incentives 1997 the department has been able to provide financial assistance of Rs.13,77,43,194 to 2296 Micro and Small enterprises.

6.1.3 Schemes to be taken up during 2013-14 are as follow:-

1. **Training Inside and Outside the state, Awareness Programme, Mastercraftman** will also be continued during the 12th five year plan in identified areas of the Districts in the state for motivation and identification of local entrepreneurs to take up self employment and training of local youths to equip themselves in various fields of Industrial activities and job opportunities available in the state as well as in the country.

2. **Grant-in-Aid to passed out trainees, Subsidies and Exhibition:-** The DICs annually organize District Level Exhibitions in the District Head Quarters so as to bring awareness in local people and help local units to market their products thereby creating an atmosphere of industrial climate in the Districts/state. In order to support the local industrial units, subsidies, incentives and grants are also extended to the local entrepreneurs and bodies.

3. **Grant-in-Aids to MKVIB and Share Capital Contribution to MHHDC:-** Grant-in-Aid to MKVIB will continue in order to encourage the Village & Cottage Industries to come up in the State. A Share Capital Contribution to MHHDC also will continue in order to encourage local artisans.

4. **Industrial Estate:-** In line with the Industrial Policy of the Government, creation of Industrial Estates in various Districts of the State forms part of the mandate of the Industrial Policy of the State to speed up.

6.1.4 New Schemes.

UPGRADATION OF DEPARTMENTAL TRAINING CENTRES UNDER COMMERCE & INDUSTRIES DEPARTMENT:

Under this scheme the Department has taken up training in various vocational training institutes spread all over the State for imparting training to young unemployed youths in various trade namely- Tailoring & Embroidery, Knitting, Furniture Making, Carpentry, Steel Fabrication, Cane & Bamboo, Shoe Making etc.

The training imparted by the Institute to the young students has helped them to acquire skills and knowledge in order to have a platform to keep pace with the competitive world. The following Departmental Training Centres which were started in the late sixties

require to be upgraded and modernized in terms of infrastructure, Plant and Machineries and Skill upgradation :-

1. Knitting, Tailoring and Embroidery Training Centre, Nongrim Hills
2. Furniture Making Institute, Nongrim Hills, Shillong
3. Leather and Shoe Making Institute, Nongrim Hills, Shillong
4. Knitting, Tailoring and Embroidery Training Centre, Assanang, West Garo Hills, Tura.
5. Carpentry and Steel Fabrication Cherangre, Tura
6. Upgradation/Modernisation of Saw Mill cum Mechanised Carpentry Workshop, Umsning.

CAPACITY BUILDING:

In addition to its Primary objective for development of Micro, Small & Medium enterprise. The Department has also taken the initiative to develop its own functionaries for strengthening the DCIC's and to play more proactive role in advocacy and capacity building keeping in view of the changing Scenario in Micro, Small, Medium & Large Industries to keep paces with the rest of the country. It is therefore proposed that capacity Building for all its Functionaries and Officers including IPOs is needed to be trained in different Institute like National Institute of Micro, Small & Medium Enterprise Development (NIMSMEDE), Hyderabad, National Institute for Entrepreneurship & Small Business Development (NIESBD), Noida, Indian Institute of Management (IIM), Shillong, Institute of Entrepreneurship, Ahmedabad, Indian Institute of Entrepreneurship, Guwahati. Fund has also been provided for Skill upgradation and Enterprise Promotion to Women and the Youth.

Promoting Bee Keeping (Apiculture) in the state :

In order to revitalize the Bee keeping Industries in the state which is one of the income generation activities and employment opportunities for the unemployed youth, the department is planning to set up a Bee Keeping processing units and quality control and Test cum Training Centre to help the farmers and to train themselves in the trade and market their products at a competitive price.

6.1.5 The Projected Outlays and expenditure for the Eleventh Plan, Projected Outlay for the Twelfth Plan (2012-17) and Tentative Outlay for the Annual Plan 2013-14 are shown in the Table below:-

| Sl. No. | Name of Schemes | XI th Plan (2007-12) Projected Outlay | XI th Plan (2007-12) Actual Expenditure | Annual Plan (2011-12) Actual Expenditure | 12 th Plan (2012-17) Projected Outlay | Annual Plan 2012-13 | | Tentative Budgeted Outlay 2013-14 |
|---------|---------------------------|--|--|--|--|---------------------|-------------------------|-----------------------------------|
| | | | | | | Outlay | Anticipated Expenditure | |
| 1. | Head Quarter Organisation | 100.00 | 114.68 | 40.52 | - | - | - | - |
| 2. | District Organisation | 35.00 | 30.70 | 15.94 | - | - | - | - |
| 3. | DIC | 1500.00 | 1604.49 | 440.01 | - | - | - | - |
| 4. | Industrial Estate | 60.00 | 41.02 | 11.37 | - | - | - | - |
| 5. | MPSW | 35.00 | 32.15 | 8.70 | - | - | - | - |
| 6. | TKE | 35.00 | 49.47 | 11.34 | - | - | - | - |
| 7. | KTC | 35.00 | 35.57 | 8.37 | - | - | - | - |
| 8. | Training inside and | 50.00 | 118.18 | 69.99 | 137.00 | 25.00 | 25.00 | 130.00 |

| | | | | | | | | |
|-----|---|----------------|----------------|---------------|----------------|----------------|----------------|----------------|
| | outside | | | | | | | |
| 9. | Awareness Programme | 50.00 | 34.72 | 10.00 | 89.00 | 16.00 | 16.00 | 20.00 |
| 10. | Mastercraftsman training | 50.00 | 69.18 | 21.54 | 135.00 | 25.00 | 25.00 | 30.00 |
| 11. | Exhibition | 60.00 | 48.35 | 13.00 | 131.00 | 24.00 | 24.00 | 30.00 |
| 12. | Grants in aid | 70.00 | 53.40 | 12.00 | 87.00 | 15.00 | 15.00 | 20.00 |
| 13. | MHHDC | 500.00 | 149.00 | 40.00 | 232.00 | 45.00 | 45.00 | 50.00 |
| 14. | MKVIB | 600.00 | 526.5 | 177.46 | 925.00 | 180.00 | 180.00 | 200.00 |
| 15. | Industrial Estate Works | 1670.00 | 29.80 | 10.00 | 171.00 | 100.00 | 100.00 | 50.00 |
| 16. | Joint Director of Industries | 50.00 | 50.65 | 12.44 | - | - | - | - |
| 17. | Bee Keeping | | - | - | 164.00 | 30.00 | 30.00 | 50.00 |
| 18. | Upgradation of training Centre | | - | - | 1300.00 | 365.00 | 329.00 | 500.00 |
| 19. | Capacity Building for functionaries of Officers including training for IPOs | | - | - | 67.00 | 10.00 | 10.00 | 70.00 |
| 20. | Handicrafts Promotion | | - | - | 342.00 | 65.00 | 65.00 | 50.00 |
| 21. | Apiculture Mission under IBDP | | - | - | 1320.00 | 300.00 | 300.00 | 100.00 |
| 22. | Training Programme for Skill for Women & Youth | | | | | | | 500.00 |
| 23. | Enterprise Promotion for Women & Youth | | | | | | | 500.00 |
| | Total : V&SI | 4900.00 | 2987.86 | 902.68 | 5100.00 | 1200.00 | 1164.00 | 2300.00 |

6.2 SERICULTURE AND WEAVING

6.2.1 The **Projected Outlay** for the **12th Plan (2012-2017)** is **Rs.13000.00 lakhs**. The **Approved Outlay** of **Rs 2375.00 Lakhs** during 2012-13 which include an amount of **Rs.1225.00 lakhs** of **SCA** for **Package scheme** is anticipated to be utilized in full. The **Proposed Outlay** for the **Annual Plan 2013-14** is **Rs. 1500.00 lakhs** which includes **Rs.100.00** for Sericulture Mission under **IBDP** and **Rs.500.00 lakhs** for schemes under **SCA, SPA** etc.

6.2.2 **Achievement during the 11th Plan**

Sericulture Sector

The area expansion of host plantations was 1706 acres under the *mulberry* sector, 7372 acres under the *eri* sector and 1,381 acres in the *muga* sector.

Raw silk production was 6.59 MT of *mulberry*, 1,556 MT of *eri* and 31.59 MT of *muga*.

Under capacity building of progressive sericulture farmers, 16,308 reelers and spinners were trained by the Department during the 11th Plan.

The SPA (Special Plan Assistance) had assisted in infrastructural support like construction of *eri & muga* grainages for meeting the demand of quality seeds for the sericulture farmers.

Handloom sector:

Popularization of silk weaving on priority basis had been given importance by upgrading the skill of the progressive weavers. The establishment of the Handloom Yarn Depot had made the yarn readily available at the doorstep of the weavers.

Physical achievements shown below:

- i) 8 (eight) handloom clusters established in the State under IHDS (Integrated Handloom Development Scheme) consisting 3,087 weavers. These weavers were also trained in skill up-gradation, dyeing and designing through the intervention of qualified Master Weavers and 8 (eight) Textile Designers.
- ii) 2,940 weavers of cotton and other fibre weavers were trained in silk weaving.
- iii) 1,000 weavers have undergone in-house training on dobby and jacquard machines.
- iv) Provision was made for employment of 90 trained Handloom Certificate Course holders on contractual basis.
- v) The weavers of the State produced 631.79 lakh square metres of handloom fabrics of various types during the 11th Plan.

The SPA (Special Plan Assistance) had assisted in infrastructural support like construction of workshops and common facility centres for provision of pre-loom, on-loom and post-loom facilities to the weavers.

6.2.3 Achievement during the Annual Plan (2012-13)

Under Sericulture Sector, the production of raw silk was 2.254 MT of mulberry, 238.33 MT of *eri* and 3.33 MT of *muga*.. With regard to Post Graduate Diploma in Sericulture the achievement was 10 in numbers.

The SPA (Special Plan Assistance) had assisted in infrastructural support like construction of *eri & muga* grainages for meeting the demand of quality seeds for the sericulture farmers.

Under Handloom Sector, the weavers of the State produced 103.03 lakh square metres of handloom fabrics of various types during the Annual Plan 2012-13.

6.2.4 The Programmes for development of the sector for 2013-14 are given below:-

Sericulture and Handloom Weaving are the two important rural cottage based Industries in the State.

SERICULTURE :

The rearing of Eri & Muga Silkworm is traditional in the State where the skill is readily available, emphasis will be given during the Annual Plan 2012-13 for development of this sector by utilizing the available local resources.

In respect of Eri there is a seed requirement of 77.00 lacs disease free layings (dfls) per annum and the annual production is 7.70 lacs kg, Ri-Bhoi District is one of the areas that produce maximum of Eri silk where maximum self employment can be generated in rural areas.

In case of Muga, the annual requirement of diseases free layings (dfls) is 7.00 lacs nos. whereas the production capacity is around 1 lac (dfls), Garo Hills District is one of the district that has the potential to meet the supply and demand gap by involving rural Sericultural farmers in the State.

Besides the above, Value addition of Eri & Muga Cocoon into Silk yarn at the private level is the need of the hour.

HANDLOOM :

Handloom Weaving is also a traditional Industry in the State. There are around 30,000 skilled weavers who can produce hand woven handloom fabric in the State.

With design and Marketing intervention, weaving of traditional textiles could become a profitable source of non-farm rural employment for women. Here too the Govt. has a role to play in ensuring that weavers have access to modern, improved looms and accessories, improved techniques for indigenous and natural dyes, design inputs from designers perhaps from professional institutions and so on.

The agro climatic conditions of the State are ideal and conducive for development of Eri, Muga and Mulberry Silk. Taking into consideration the production of Silk yarn in the State, the Handloom sector can be boosted up in sufficient production of silk fabrics.

For Silk production Meghalaya has the ideal environment for the development of a high-quality silk industry. This is possible if there are appropriate interventions in all stages of production and marketing. For a start, plantation areas for silkworm food plants need to be expanded in either the community lands or within individual holdings, and the Govt. has to provide the necessary support in the form of good quality silkworm seeds, and promulgation of scientific methods of silkworm rearing. At present the silkworm farms are inadequately equipped, poorly maintained, with ageing technology. Finally, the marketing of the produce requires market infrastructure (there is an absence of organized markets), enhancing managerial skills and technical know-how, and other inputs to ensure that producers receive a fair price for their produce.

In the above backdrop, the Annual Plan 2013-14 is focused in popularizing the silk weaving in the State.

Considering the potential and prospect of Handloom Weaving Industry flourished in the State about 500 silk weavers is given emphasis in the State by shifting the synthetic weavers to silk weavers. Looms used by the weavers are fly shuttle frame loom, loin loom with productivity of 1.75 sq. mtrs. against 5.00 sq. mtrs of National average. Using cotton and acrylic, the production are mainly local dress materials bed sheet, bags, gomocha, lungi and stole.

In spite of mass rural employment opportunities of the sector, the industry suffers uneconomic working conditions for want of regular supply of yarn of different count and dyed yarn at the reasonable prices, lack of credit facilities and proper marketing support, besides facilities of pre-loom and post-loom are lacking and latest design development for product diversification is far from the reach of the weavers. Therefore in order to achieve the objective the Department proposed the requirement as follows:

1. Adoption of Model handloom villages for generation of income from sale of fabrics including modernisation of looms
2. Tapping of unorganized weavers into a handloom mainstream for self employment.
3. Establishment of Powerloom Training Centre.
4. Support to pass out Silk weavers and Expert weavers for product diversifications.
5. Rejuvenation of the Departmental Existing Production. Centres.
6. Innovation Research & Development Support.
7. Entrepreneurship Development of handloom for educated unemployed youth.
8. Weavers Credit card
9. Market development (Exhibition, Nation, International, Fairs, IIFT, etc.)
10. Capacity building for Handloom Weavers.

6.2.5 Centrally Sponsored Scheme:- For implementation of the Catalytic Development Scheme of the Central Silk Board, an amount of Rs.800.00 lakhs is proposed for 2013-14.

Under Handloom Sector, the Scheme on “Integrated Handloom Development Scheme” is proposed to be implemented in the State for which an amount of Rs.350.00 Lakhs is proposed for 2013-14

6.2.6 The Projected Outlays and expenditure for the Eleventh Plan, Projected Outlay for the Twelfth Plan (2012-17) and Tentative Outlay for the Annual Plan 2013-14 are briefly shown in the Table below:-

(Rs.in Lakhs)

| Sl. No | Schemes | 11 th Plan (2007-12) Projected Outlay | 11 th Plan (2007-12) Actual Expenditure | Annual Plan 2011-12 Actual Expenditure | 12 th Plan (2012-17) Projected Outlay | Annual Plan 2012-13 | | Tentative Budgetted Outlay 2013-14 |
|--------|---------------------|--|--|--|--|---------------------|-------------------------|------------------------------------|
| | | | | | | Agreed outlay | Anticipated Expenditure | |
| 1. | Sericulture | 3628.00 | 2065.68 | 515.27 | 6670.54 | 740.14 | 740.14 | 567.83 |
| 2. | Handloom | 2627.00 | 1520.90 | 533.53 | 6329.46 | 409.86 | 409.86 | 432.17 |
| 3. | General Scheme | 145.00 | 13.14 | 109.22 | | - | - | - |
| 4. | NIFT (ACA) | - | 950.40 | 0.00 | | - | - | - |
| 5. | Value Chain | | 1000.00 | 0.00 | | | | |
| 6 | Special Package SCA | | | | | 1225.00 | 1225.00 | 500.00 |
| | Total | 6400.00 | 5550.12 | 1158.02 | 13000.00 | 2375.00 | 2375.00 | 1500.00 |

6.3 LARGE AND MEDIUM INDUSTRIES

6.3.1. The Approved Outlay for 2012-13 is Rs. 945.00 Lakhs which include an amount of **Rs. 200.00 lakhs** of SCA for setting up of 2 (two) Industrial Parks and the **Anticipated Expenditure** for the year is **Rs.2075.00 lakhs**. The **Proposed Outlay for 2013-14 is Rs.1000.00 Lakhs**.

6.3.2. The Proposed Outlay for the Annual Plan 2013-14 will be spent for continuation of the following programmes :-

- 1. Equity participation to Meghalaya Industrial Development Corporation (M.I.D.C.) :-** The MIDC as the State Industrial Development and Financial Corporation takes part in equity participation of Industrial projects approved by the Govt., so as to ease out their cost over burden.
- 2. Equity participation to MCCL:-** Fund is proposed for up-gradation and Expansion of the existing Plant.
- 3. Financial Operation :-** Under this scheme the MIDC is assisting the entrepreneurs financially for setting up of economically viable projects by providing support assistance by way of term loan to the Industrial Units of all category. The term loan are refinanced to the Corporation by the IDBI/ SIDBI to the extent of 65% of the disbursed amount and the balance is met from MIDC's own resources.

4. **Development of Industrial Areas:-** Under this scheme the MIDC is functioning as an Agency for the maintenance and repair of the Industrial areas and Estate in the State. Under the Industrial Policy on 21st December, 2012 and Govt. of India's North East Policy,2007 it is expected that there will be a substantial growth of Industries in the State. But the Industrial Areas at Umiam and Export Promotion and Industrial Park, Byrnihat have reached saturation point, therefore fund is required to acquire more land for the Industrial Park, Industrial Areas and Industrial Estate for building up of infrastructure facility.
5. **Entrepreneur Development Programmes:-** The MIDC along with other Promotional Agencies like NEITCO, IIE, SSI, conducts Seminars, workshops in different identified areas of the State for motivation and development of local entrepreneurship and skilled man power.
6. **Preparation of Project Feasibility Reports:-** The MIDC has been taking up identification and study of viable projects so that Industrial Development can be achieved at an accelerated rate.
7. **Industrial Growth Centre:-** Under this scheme, the Govt. has approved for setting up of the Industrial Growth Centre at Mendipathar.
8. **The Package Scheme of Incentives:-** is also being implemented to encourage the local industrial units by way of providing subsidies thereby relieving them of the financial burden to a great extent.

In addition to the above, fund is also provided for promotional activities relating to publication of booklets, pamphlets, advertisements holding of meetings and Conferences etc, development and maintenance of the E.P.I.P. at Byrnihat, construction of DCIC Office building.

6.3.3. New Schemes:

1. **New Industrial Areas:-** The department proposed acquisition of more land for setting up of additional Industrial Areas / Land and EPIP for the benefit of the prospective entrepreneurs of the state.
2. Setting up of a Quality Control Laboratories in Land and Custom Stations of the state to facilitate export of the Products of the State to neighbouring Countries especially Bangladesh.

6.3.4 Centrally Sponsored Scheme

3. **National Mission on Food Processing :-** The Ministry of Food Processing has proposed a New Centrally Sponsored Scheme viz National Mission on Food Processing (NMFP).

The proposed National Mission on Food Processing (NMFP) became operational during the 12th plan period starting from April 2012. The funding pattern is @ 90:10 as per usual norms of Centrally Sponsored Schemes for Northeastern region. An amount of Rs. 285.00 Lakhs has been released during 2012-13.

6.3.5. The Projected Outlays and expenditure for the Eleventh Plan, Projected Outlay for the Twelfth Plan (2012-17) and Tentative Outlay for the Annual Plan 2013-14 are briefly shown in the Table below:-

(Rs.in Lakhs)

| Sl. No | Schemes | 11 th Plan (2007-12) Projected Outlay | 11 th Plan (2007-12) Actual Expenditure | Annual Plan 2011-12 Actual Expenditure | 12 th Plan (2012-17) Projected Outlay | Annual Plan 2012-13 | | Tentative Budgeted Outlay 2013-14 |
|--------|---|--|--|--|--|---------------------|-------------------------|-----------------------------------|
| | | | | | | Outlay | Anticipated Expenditure | |
| 1 | Equity Participation to M.I.D.C. | 25.00 | 14.00 | 10.00 | 53.00 | | | 6.00 |
| 2 | Development of Industrial Areas | 3750.00 | 72.39 | - | 50.00 | | | 10.00 |
| 3 | Financial Operation | 3650.00 | 810.00 | 160.00 | 230.00 | 5.00 | 5.00 | 50.00 |
| 4 | Entrepreneurship Development Programme (EDP) | 30.00 | 10.00 | 5.00 | 44.00 | 5.00 | 5.00 | 6.00 |
| 5 | Man-Power Training Scheme | 40.00 | 8.00 | 5.00 | 44.00 | 5.00 | 5.00 | 5.00 |
| 6 | Preparation of Project Feasibility Reports | 80.00 | 34.00 | 10.00 | 51.00 | | | 10.00 |
| 7 | Industrial Growth Centre | 500.00 | 24.37 | 15.00 | 44.00 | 5.00 | 5.00 | 5.00 |
| 8 | Package Scheme Of Incentives | 5000.00 | 3679.00 | 521.00 | 3630.00 | 550.00 | 1461.00 | 550.00 |
| 9 | Export Promotion Industrial Park (EPIP) | 300.00 | 20.38 | - | 44.00 | 205.00 | 205.00 | 5.00 |
| 10 | Publication and Publicity | 250.00 | 296.00 | 106.00 | 430.00 | 70.00 | 70.00 | 60.00 |
| 11 | Equity Contribution to M.C.C.L. | 1725.00 | 6665.37 | 1000.00 | 3050.00 | 100.00 | 100.00 | 200.00 |
| 12. | Financial Assistance | - | - | - | - | | | |
| 13. | New Industrial Areas | | - | - | - | | | |
| 14. | Food Park | 50.00 | 15.00 | - | - | - | - | |
| 15. | Construction of DCICs Office Building | - | 50.00 | 50.00 | 640.00 | | | 50.00 |
| 16 | Land & Custom at Khasi & Garo Hills | | - | - | 51.00 | | | |
| 17 | National Mission on Food Processing | | - | - | 300.00 | | 19.00 | 30.00 |
| 18 | Salary & Wages & Other running expenses of Subsidiary companies of MIDC | | - | - | | | | |
| 19 | Unsecured Loan to MCCL. | | - | - | 79.00 | | | 5.00 |
| 20. | Acquisition of land at industrial park/ Garo Hills | - | - | - | 60.00 | | | 8.00 |
| 21. | Meghalaya Bamboo Chips. | | 13.13 | 13.13 | | | | |
| 22. | Training –cum demonstration | | | | | | 200.00 | |
| | Total | 15400.00 | 11711.64 | 1895.13 | 8800.00 | 945.00 | 2075.00 | 1000.00 |

6.4 MINING AND GEOLOGY

6.4.1. The Projected Outlay for the Twelfth Plan (2012-17) is Rs 2400.00 lakhs and the Approved Outlay Of Rs. 350.00 lakhs for 2012-13 is expected to be utilized in full. The Proposed Outlay for 2013-14 is Rs. 500.00 lakhs.

6.4.2 The State is well-known for the existence of a number of valuable minerals like limestone, coal, clay, glass sand, kaolin, quartz, sillimanite, iron, stone and granite. While the deposits of limestone and coal have been explored extensively all over the State and sizeable reserves of these minerals have already been established, prospect of other minerals found in the State are yet to be fully ascertained. The potentiality of such deposits needs to be proved by detailed survey and drilling and preparation of geological /feasibility reports with a view to set up mineral-based industries. Such geological data have helped in the growth of several mining activities in the State. Besides exploration of mineral resources, the Directorate will continue to explore ground water potential for drinking and irrigation purposes. It will also continue geo-technical studies on landslide and stability of foundation for construction of dams and bridges. During the Twelfth Plan, more emphasis will be given for speedy evaluation of mineral deposits into proved category, for potentiality of ground water and for solving the geotechnical problems in the State.

Mineral-based industries can be established once the potential for other deposits has been ascertained through detailed surveys and drilling, and the collation of the results in a geological or feasibility report. Such geological data have helped in the growth of several mining activities in the state.

6.4.3 Programmes for Annual Plan 2013-14 - The on-going schemes are proposed to be continued keeping in view the national priorities such as employment generation, strengthening of infrastructure facilities, effective decentralization and resource mobilization on the following Programmes / Schemes-:

1. Direction and Administration:

The main activities of the Directorate are inter alia, geological investigations, administration of mines and collection of revenue on major minerals. At present, the Directorate is operating 6(six) nos. of units/ schemes under this head. The major divisions of works under this category include, inter alia:

- **Management of Geology & Mining Establishment at the Headquarter**
- **Administration and strengthening the Branch and Divisional Offices at Tura, Nongstoin, Jowai, and Williamnagar,**
- **Payment of Dues, Liabilities etc., to Me.S.E.B./Municipal Board.**

Besides the on-going activities under this head, the Directorate proposes to take up the administration of minor minerals and create additional infrastructure, such as, installation of additional check gates. In accordance with NIC's recommendation of Rs.2.33 crores, phase wise computerization will continue. The State will soon adopt the draft Mineral Policy. The activities will be extensive and also regulatory in nature.

2. Training ,Capacity Building, Stipends and Scholarships:

The Directorate is sponsoring local students by granting scholarship for prosecuting higher studies in Earth Science through this Scheme. Besides, the scheme avails training facilities to the technical in-service employees. Further, it may be stated that mining

of coal has been carried out extensively in the State during the last four decades by the local miners without sufficient knowledge of systematic and safe mining practices.

3. Research and Development:

Chemical analysis and petrological studies of the rocks, minerals, water samples, etc. are carried out through this scheme, for the purpose of assessing the quality/grade of minerals from various deposits for their possible utility. This activity will continue by creating additional infrastructure i.e. man-power and sophisticated machinery to upgrade the existing Laboratory and to meet the growing challenges of industrial development and environmental concerns.

4. Survey and Mapping:

Survey and mapping of various mineral deposits is the main objective of this scheme. It is also proposed to evaluate potential of minerals within the State by remote sensing technique through consultancy services.

5. Mineral Exploration:

The main objectives of this scheme are:-

- **Intensive Mineral Investigation**
- **Preparation of Feasibility Report on Mineral-based Industries**
- **Administration of Coal Mining Industries**
- **Intensive Ground Water Investigation and**
- **Geo-technical Study.**

More emphasis will be given to intensify the investigation programmes with an objective to bring the existing probable/possible reserves of minerals into proved category. Emphasis will also be given on Granite Investigation as dimensional stone and investigation on ground water for irrigation and drinking purposes. It is also proposed to provide technical assistance on investigation of isolated small deposits of coal in the coal mines operated by private coal miners which is a new venture in the State. The Directorate will continue to contribute Grant-in-Aid for development of mining industries through the Meghalaya Mineral Development Corporation (MMDC).

6. Social Services – Housing Schemes including Office Complex:

The Department proposed to complete the construction of Officers and Staff quarters at its Branch Office at Tura and to set up the Demonstration –cum-Training Centre. It is also proposed to complete the fencing work of the land at Williamnagar.

Further, it is also proposed to purchase land for the office of DMO and Demonstration-cum-Training Centre at Jowai and land for installation of check gates and weighbridges. Civil construction thereon shall be entrusted to the P.W.D.

6.4.4 The Projected Outlays and expenditure for the Eleventh Plan, Projected Outlay for the Twelfth Plan (2012-17) and Tentative Outlay for the Annual Plan 2013-14 are shown in the Table below:-

(Rs. in Lakhs)

| Sl. No. | Name of Schemes | 11 th Plan (2007-12) Projected Outlay | 11 th Plan (2007-12) Actual Expenditure | Annual Plan (2011-12) Actual Expenditure | 12 th Plan (2012-17) Projected Outlay | Annual Plan 2012-13 | | Tentative Budgeted Outlay 2013-14 |
|---------|---|--|--|--|--|---------------------|-------------------------|-----------------------------------|
| | | | | | | Outlay | Anticipated Expenditure | |
| 1. | Direction & Administration | 800.00 | 882.79 | 242.28 | 666.50 | 127.00 | 127.00 | 111.70 |
| 2. | Training | 50.00 | 0.12 | - | 40.00 | 2.00 | 2.00 | 1.00 |
| 3. | Research & Development | 160.00 | 285.97 | 202.38 | 245.00 | 65.50 | 65.50 | 166.50 |
| 4. | Survey & Mapping | 160.00 | 124.36 | 29.27 | 156.00 | 17.00 | 17.00 | 46.00 |
| 5. | Mineral Exploration | 600.00 | 822.42 | 524.51 | 237.00 | 103.00 | 103.00 | 124.80 |
| 6 | Construction / Renovation of Residential Building | 200.00 | 52.52 | 0.50 | 100.00 | 1.00 | 1.00 | 1.00 |
| 7 | Administration of Coal Mining Industries | | | - | 150.00 | 20.00 | 20.00 | |
| 8. | Intensive Ground water Investigation | | | | 100.00 | 0.40 | 0.40 | |
| 9. | Geotechnical study Cell | | | | 100.00 | 0.10 | 0.10 | |
| 7. | Investment in Public Sectors | 205.00 | | | 350.00 | | | |
| 8. | Construction of office Building for the Branch office of the DMR at Tura. | 175.00 | 26.72 | 4.72 | 255.50 | 14.00 | 14.00 | 49.00 |
| | Total | 2350.00 | 2194.90 | 1003.66 | 2400.00 | 350.00 | 350.00 | 500.00 |