

CHAPTER – V

ENERGY

5.1. POWER

5.1.1. The Twelfth Plan Outlay for Power Sector is ₹ 363500.00 Lakhs. The Actual Expenditure incurred during 2014-15 was ₹ 5043.50 lakh. The Available Outlay of ₹ 22410.00 lakh during 2015-16 is anticipated to be utilised in full. **The Tentative Budgeted Outlay for Power Sector during 2016-17 is ₹ 14000.00 lakh.**

The major Schemes / Projects being implemented under Power sector are as follows:-

5.1.2. Generation Schemes

(a) On- going Schemes:- The ongoing generation scheme are: (i) New Umtru Hydro Electric Project (2 x 20) MW; and (ii) Ganol Hydro Electric Project (3 x 7.50) MW

(b) Survey & Investigation Schemes: Survey and Investigation works is being taken up with 90% NEC funding of the basins viz. Umngot HEP (280 MW), Myntdu Leshka Stage-II HEP (260 MW), Selim HEP(2x85 MW), Mawblei HEP (2x70 MW), Ganol HEP Stage-II (3x5 MW), Uper Khri HEP, Nongkohlait HEP (2x60 MW) and Umngi Storage HEP (2x27 MW).

5.1.3. Transmission Schemes: Completion of a 220 kV D/C line from Misa to Byrnihat (Killing) during the 11th plan period is a boon to the State which has substantially relieved power shortage by enabling drawal of power from the NER/ER Grid.

The State has also set up 400/220 KV sub-station at Byrnihat for tapping power from the 400KV Pallatana-Bongaigoan line. The LILO of the 400 kV Palatana - Bongaigaon line at Killing substation was energised w.e.f. 03.03.2013 through the completed dead-end loop-out tower. Both the 315 MVA, 400/ 220 kV transformers are energised.

5.1.4. Distribution Schemes:

With the intent to improve and introduce reforms in the distribution sector, the state has successfully implemented the Accelerated Power Development & Reforms Programme (APDRP) launched by the Govt of India in 2003 and is now taking up the implementation of the second phase i.e. the Restructured - Accelerated Power Development & Reforms Programme (R-APDRP – Part ‘A’ & Part ‘B’) which is in line with the Electricity Act, 2003. Nine (9) towns have been identified for implementation of R-APDRP as project areas namely Shillong, Jowai, Tura, Nongstoin, Nongpoh, Williamnagar, Resubelpara, Mairang and Sohra (Cherrapunjee).

5.1.5. Rural Electrification (RGGVY): In line with the Central Government Policy of electricity to all by the year 2012, Meghalaya is also gearing up to achieve 100% Village Electrification and Rural Household Electrification. The scheme was targeted to be completed during the 11th Plan period. However, 100% physical achievement is spilling over to the 12th plan period. This is being pursued by the Meghalaya Energy Corporation Limited under the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY).

5.2. NON CONVENTIONAL SOURCES OF ENERGY

5.2.1. The Twelfth Plan Outlay for this Sector is ₹ 2400.00 Lakhs. The actual expenditure incurred during 2014-15 was ₹ 163.81 lakh. The Available Outlay of ₹ 483.00 lakh during 2015-16 is to be utilized in full. **The Tentative Budgeted Outlay for 2016-17 is ₹ 825.00 lakh.** All the schemes under this sector have different funding pattern between the Centre, State and Beneficiary contribution, except the Direction and Administration i.e. Administrative Expenses which has to be borne purely by the State.

5.2.2. The focus under the new and renewable energy component has been on the off-grid and solar thermal applications. During the year 2015-16, solar power plants of various capacities are under installation in various government buildings and rooftops with the potential of generating 315 Kw of power. Also, 362 solar LED street lighting systems have been installed successfully in 18 villages in the State.

5.3. INTEGRATED RURAL ENERGY PROGRAMME.

5.3.1. The Twelfth Plan Outlay for I.R.E.P. is ₹ 2000.00 lakh. The Actual Expenditure during 2014-15 was ₹ 169.06 lakh. The Available Outlay during 2015-16 is ₹ 330.00 lakh and is anticipated to be utilised in full. **The Tentative Budgeted Outlay for this Sector during 2016-17 is ₹ 400.00 lakh.** All the schemes under this sector have different funding pattern between the Centre, State and Beneficiary contribution, except the Direction and Administration i.e. Administrative Expenses which has to be borne purely by the State.

5.4. VILLAGE ELECTRIFICATION (MNES SPECIAL SCHEME)

5.4.1. This is a continuing scheme for completion of the proposed electrification of 111 Nos. of Remote Villages targeted to be electrified by SPV Home Lighting System with the integration of SPV Street Lighting System.

5.4.2. The projected outlay for the 12th Plan for this sector is ₹ 100.00 lakh. The actual expenditure during the Annual Plan 2014-15 was Nil. The Available Outlay for 2015-16 is ₹ 590.00 lakh and is anticipated to be utilized in full. **The Tentative Budgeted Outlay for 2016-17 is ₹ 645.00 lakh.**