

## CHAPTER – V

### ENERGY

#### 5.1 POWER

5.1.1. The approved outlay in respect of Power Sector for the Tenth Plan is Rs 50137.00 lakhs. The actual expenditure during the Annual Plan 2002-2003, 2003-04, 2004-2005 and 2005-2006 were Rs. 5580.59 lakhs, Rs. 7850.75 lakhs, Rs.9438.79 lakhs and Rs.12926.61 lakhs respectively. The approved outlay for 2006-2007 is Rs. 22700.00 lakhs which is expected to be utilized in full. Thus the anticipated expenditure during the Tenth Plan is Rs.58496.74 lakhs.

5.1.2. The brief picture of achievements during the Tenth Plan is as given below:-

The Myntdu Leshka Stage –I H.E.P (2x42 MW) has been implemented during the 10<sup>th</sup> Plan and the work is in good progress. The Project is expected to be commissioned during 2008-2009.

The Renovation & Modernisation of Umiam Stage –II Power House with JBIC Loan assistance under EAP has been implemented during the 10<sup>th</sup> Plan and the work is in progress and is expected to be completed by the end of Annual Plan 2007-08.

Besides this, Transmission and Distribution Schemes under the Accelerated Power Reforms Development & Reforms Programme (APDRP) has also been taken up and the works will continue in the Eleventh Plan.

Under the Rural Electrification Programme, 1606 villages have been electrified during the first four years of the 10<sup>th</sup> Plan up to 2005-06 and 830 villages are expected to be covered during 2006-2007. The cumulative achievement up to 2005-06 is 4232 villages and the anticipated cumulative achievement by the end of the Tenth Plan is 5062 villages.

#### 5.1.3. Eleventh Plan 2007-2012 and Annual Plan 2007-2008.

The proposed outlay for the Eleventh Plan (2007-2012) is Rs.100000.00 lakhs and an amount of Rs.30000.00 lakhs is proposed for the Annual Plan 2007-08. The broad break- up is as indicated below :-

(Rs. Lakhs)			
Sl. No.	Items	Eleventh Plan 2007-2012 Proposed Outlay	Annual Plan 2007-2008 Proposed Outlay
1	<b>Generation scheme:</b>		
	<b>A.On-going Schemes :</b>		
	1.Construction of Myntdu Leshka Stage –I H.E.P (2x42 MW)	31886.00	14000.00
	<b>B.New Schemes:</b>		-
	1.Sonapani HEP (1.5) MW	350.00	-
	2.Lakhroh HEP(1.5MW)	600.00	-
	3.Umran HEP(0.2MW)	177.00	-
	4.Tyrsaw HEP(0.5 MW)	499.00	-
	5.Risaw HEP(0.1MW)	166.00	-
	<b>Sub – Total -1</b>	<b>33678.00</b>	<b>14000.00</b>

Sl. No.	Items	Eleventh Plan 2007-2012 Proposed Outlay	Annual Plan 2007-2008 Proposed Outlay
2.	<b>Renovation &amp; Modernisation Works</b>	-	
	1.Renovation & Modernisation of Umiam Stage –II (EAP)	8530.00	4265.00
	2. Renovation & Modernisation of Umiam Stage –III (EAP)	13438.00	-
	<b>Sub – Total -2</b>	<b>21968.00</b>	<b>4265.00</b>
3.	<b>Transmission Scheme:</b>		
	1.Construction of 132 KV D/C Line from the Myntdu Leshka Stage – I HEP to the 132 KV/33 KV Sub – Station at Khliehriat.	1000.00	200.00
4.	<b>Accelerated Power Development &amp; Reforms Programme (APDRP)</b>	16900.00	6035.00
5.	<b>Rural Household Electrification (RGGVY)</b>	26454.00	5500.00
	<b>TOTAL :</b>	<b>100000.00</b>	<b>30000.00</b>

5.1.4. The schemes proposed for the 11<sup>th</sup> Five Year Plan have been prepared by taking into consideration the following factors:-

- (1). The State is facing an acute shortage of power due to the substantial increase of power demand in the industrial sector and as well as domestic sector. The Government policy is to improve the quality of supply through APDRP and to achieve 100% village and household electrification by 2010.
- (2). The existing transmission system needs to be strengthened to enable drawal of allocated Central Power Sector Share and evacuation of power from the new projects along with inter regional grid transmission net work.
- (3). Generation Schemes and Transmission Schemes are the vital areas to meet the power demand of the state. The Sub-Transmission and Distribution schemes have already been considered as on-going scheme as these has already been covered in the on-going APDRP and RGGVY schemes of the Central Government.
- (4). Completion of the On-going and spill over schemes from the 10<sup>th</sup> Plan will be assigned top priority.

#### 5.1.5. **Generation Schemes:**

With the present power scenario of the state, where hardly 6 % of the available power potential of the state has been tapped, implementation of the Generation Projects is of the utmost importance to be considered in the 11<sup>th</sup> Plan Period. As on date, the unrestricted Peak demand of the state is 390 MW, for which the Peak availability from the state is of the order of 160 – 180 MW only. The power availability from the Central share is of the order of 115 – 120 MW. Therefore, a capacity addition of 471.80 MW has been proposed to be taken up including the spill over project from the 10<sup>th</sup> Plan Period. **The proposed outlay for the 11<sup>th</sup> Plan is Rs.33678.00 lakhs and an amount of Rs.14000.00 lakhs is proposed for the Annual Plan 2007-2008.**

**1. Construction of Hydro Electric Projects:**

**(a) On going Schemes :**

- i) Myntdu Leshka (2 x 42 MW) Stage I HEP.- The Tenth Plan Outlay is Rs.30600.00 lakhs and the expenditure incurred during the first four years of the Plan period is Rs.14189.00 lakhs.

**(b) New Schemes: The following new schemes are proposed to be taken up during the Eleventh Plan :-**

**(Rs.lakhs)**

<b>Sl. No.</b>	<b>Name of schemes</b>	<b>Eleventh Plan 2007 -2012 Proposed Outlay</b>
1.	Sonapani HEP (1.5 MW)	350.00
2.	Lakroh HEP (1.5 MW)	600.00
3.	Umran HEP (0.2 MW)	177.00
4.	Tyrsaw HEP (0.5 MW)	499.00
5.	Risaw HEP (0.1 MW)	166.00
	<b>Total</b>	<b>1792.00</b>

- (c) **New Umtru HEP (2X20MW):** During the 11<sup>th</sup> Plan, the State Government will also take up the New Umtru HEP (2X20MW) @ Rs. 22600.00 Lakhs. The Project is proposed to be funded at 30% Government equity and 70% loan from financial Institutions. For this purpose, the Ministry of DONER has been requested to provide assistance to meet the equity share of Rs. 80.00 crores under NLCPR.

**5.1.6. Up-gradation, Renovation & Modernization of the existing Projects :**

To increase the machine and system efficiency, the Renovation & Modernization works of the old Hydro Power stations and Sub Stations, are being taken up. MeSEB is having machines, which are of 25 years to 35 years old & above. As per the technical specification, the machines have already outlived their specified life span. According to the guidelines of the Central Electricity Authority, the machines need to be renovated, in order to enhance their efficiency and to achieve sustainability. Keeping this in view, MeSEB is considering to take up the renovation & modernization works of the Umiam Stage-III Power station (2 x 30 MW) during the 11<sup>th</sup> Plan Period, along with the spill over work of the ongoing Renovation & Modernisation work of Umiam Stage-II Power station(2 x 9 MW). After renovation it is expected that the capacity addition through up-gradation will be 2 MW from Stage II Power Station. The up-gradation of Umiam Stage -III Power station is under process.

**The proposed outlay for the 11<sup>th</sup> Plan Period for the above projects is Rs. 21968.00 lakhs, and for the Annual Plan 2007-08 is Rs. 4265.00 lakhs.**

**5.1.7. Transmission Schemes:**

Under the Transmission Scheme it is proposed to take up the On-going scheme for Construction of the 132 KV D/C line from Myntdu Leshka Stage - I HEP, to the 132KV/33 KV Sub-Station at Khliehriat (2 x 23 Km). **The proposed outlay for the**

**Eleventh Plan (2007-2012) is Rs.1000.00 lakhs and for the Annual Plan 2007-08 is Rs.200.00 lakhs .**

5.1.8. **Sub-Transmission and Distribution Schemes :**

**Accelerated Power Development & Reforms Programme: (APDRP)**

In line with the Electricity Act, 2003, the Government of Meghalaya has signed an Agreement for improvement of the Sub-Transmission and Distribution System, for achieving quality power. In this regard, Me.S.E.B. has proposed a number of Sub-Transmission and Distribution Schemes under APDRP, which are under implementation since the year of 2003 – 04. The Government of India has sanctioned an amount of Rs. 227.44 Crores against the scheme. The expenditure against the Scheme is 44.93.Crores. The balance work will spill over to the 11th Plan Period, which is expected to be completed during the 1st – 2nd years of the 11th Plan. It may also be mentioned that the main objective of this Scheme is to reduce the AT & C loss to below 15 %, as required by the Government of India. However, Me.S.E.B. has targeted to bring down the AT & C loss to 11 % by the 11th Plan Period.

**The proposed outlay for the 11<sup>th</sup> Plan Period for the above project is Rs. 16900.00 lakhs, and for the Annual Plan 2007-08 is Rs. 6035.00 lakhs.**

5.1.9. **Rural Household Electrification Work:**

With the introduction of the Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) Scheme by the Ministry of Power, Government of India, towards achievement of 100 % Village Electrification and electrification of all rural households by 2010, Me.S.E.B. proposes to avail the fund/grant towards implementation of the said objectives, in all the seven districts of Meghalaya during the 11th Plan Period. The estimated cost of the scheme is Rs.264.45 crores. The Detailed Project Reports (DPR) of the scheme have been prepared and submitted to the Rural Electrification Corporation Ltd (REC), for approval and sanction.

The proposed outlay for the 11<sup>th</sup> Plan for the above projects is Rs. 26454.00 lakhs, and for the Annual Plan 2007-08 is Rs. 5500.00. lakhs. The target for the 11<sup>th</sup> plan is for completion of the programme and the number of villages proposed to be electrified during 2007- 08 is 889 villages.

5.1.10. **Fund Constraint** - As mentioned in the foregoing notes Meghalaya has immense potential for Power generation but is facing power shortage due to the inability of the State Government & MESEB to take up new generation Projects in view of fund constraints. It is therefore proposed to source funds from the Ministry of DONER under NLCPR to enable the State Government to meet the growing demand of power. An amount of Rs.1500.00 crores is projected for the Eleventh Five Year Plan under NLCPR.

5.1.11 **Power Projects retained under NLCPR:** The following Power Projects have been retained by the Ministry of DONER under the Non Lapsable Central Pool of Resources for which funds are yet to be released to the State:-

(Rs. Crores)

Sl No.	Name of Schemes / Projects	Estd. Cost	Present Position
1.	Provision of 220 KV DC Line from PGCIL S/S, Misa in Assam to Byrnihat, Meghalaya & 1x100 MVA, 220/ 132 KV S/S at Byrnihat	82.06	<b>Retained during 2003-04.</b> The proposal is pending with the M/O DONER. In the meantime, the State Govt. is examining the possibility to take up the proposal under joint venture with PGCIL.
2.	Provision of Uprating of 132 KV S/C Kopili-Khandong Line and Augmentation of 220/132 KV Auto Transformer Bay at Kopili Switchyard	7.78	<b>Retained during 2004-05.</b> Power Deptt to submit 3(three) copies of DPRs.
3.	Construction of 220 KV Transmission Line from Byrnihat to Silchar with 220 KV Sub-station at Shillong.	2.00	<b>Retained during 2005-06.</b> Power Deptt to submit 3(three) copies of DPRs.
4.	Construction of the 2 <sup>nd</sup> circuit 132 KV S/C line from Stage-III to Stage-IV Power Station	3.98	<b>Retained during 2006-07.</b> Power Deptt. to submit 3(three) copies of the DPR.
<b>TOTAL</b>		<b>95.82</b>	

5.1.12 **New Power Projects proposed under NLCPR:** A number of new power projects are being proposed to be taken up under the NLCPR during the 11<sup>th</sup> Plan and the requirement of funds during the Annual Plan, 2007-08 are as indicated below:

(Rs. Crores)

Sl. No.	Name of Power Projects	Estimated cost	Annual Plan 2007-08 requirement
<b>A.</b>	<b>Construction of New Hydro Electric Projects:</b>		
1.	New Umtru HEP (2 x 20 MW)	226.00	60.00
2.	Ganol HEP (2 x 12.50 MW)	150.00	15.00
3.	Umngot Stage.I HEP (2 x 130MW)	214.43	
4.	Umngi Stage I HEP (54 MW)	100.00	
<b>B.</b>	<b>Survey &amp; Investigation Works :</b>		
5.	Riangdo SHP (5000 KW)	32.50	
6.	Amkshar Stage I SH P (5 MW)	32.50	
7.	Umrilang Stage I SHP (15 MW)	97.50	
8.	Umrina Satge I SHP (5 MW)	32.50	
<b>C.</b>	<b>Re-engineering of existing Power Stations:</b>		
9.	Re-engineering of the Switchyard of Umiam Stage - I Power Stations.	1.00	0.50
10.	Replacement of Main Inlet Valve (Butterfly type) with improved through flow valve at Umiam Stage - I Power Stations	6.00	3.00
11.	Replacement of 3 nos., 10.6 MVA, 11/132KV Generating Transformer at Umiam Stage - I Power Stations.	3.00	1.50
12.	Overhauling of Hydro machinery part of Umiam Umtru Stage - IV Power Stations.	4.00	2.00
13.	Replacement of 1 nos., 7.5 MVA, 33/132 KV transformer at Umtru Power Stations.	0.50	0.50
14.	Refurnishing of Hydro machinery part and replacement of Control Panel.	5.00	2.50
15.	Black Start facility for Umiam Umtru Stage - IV Power Stations (Provision for 100 KVA Deisel Generator set).	1.00	0.50
16.	Renovation and Modernization of the Penstock Butterfly Valve of Umiam Stage I Power Station.	0.50	0.50

Sl. No.	Name of Power Projects	Estimated cost	Annual Plan 2007-08 requirement
<b>D.</b>	<b>New Transmission Schemes :</b>		
17.	R & M of Protection System	4.85	1.00
18.	Construction of 132 KV/33 KV, 2 x 20 MVA Sub-station at Mendipathar	4.95	
19.	Augmentation of 132 KV Switchyard at Mawlai Sub-station	2.10	1.00
20.	Augmentation of 132 KV Switchyard at Khliehriat Sub-station	2.00	1.00
21.	Augmentation of 132 KV NEIGRIMS Sub-station to 40 MVA	3.00	1.00
22.	Construction of the 132KV D/C Line from Umiam Stage I to Mawngap along with the construction of 132 KV Sub-station	14.00	
23.	220 KV D/C Line from Misa in Assam to Byrnihat in Meghalaya (2x115 Kms), along with the construction of the 220KV/132KV, 2x160 MVA sub-station at Byrnihat.	150.00	
24.	Construction of the 132KV S/C Line from Agia in Assam to Nangalbibra in Meghalaya (110 Kms) including installation of 100 MVA ICT at Agia.	43.32	
25.	Construction of the 220 KV D/C line from Umngot Stage I HEP to the 400 KV/ 220 KV sub-station at Jowai (15 Kms.)	12.00	
26.	Construction of the 220 KV line from the 220 KV /132 KV Sub-Station at Byrnihat to the 132 KV/ 33 KV Sub-Station at Nangalbibra (150 Kms) along with the construction of the 220 KV/ 132 KV, 400 MVA Sub-Station at Nangalbibra	180.00	
27.	Construction of the 220 KV/ 132 KV, 200 MVA Sub-Station at Shillong along with the construction of the 220 KV D/C line from Shillong to Byrnihat	163.61	
28.	Construction of the 132 KV D/C line from the 220/132 KV Sub-Station at Killing to Umtru Power Station (5 Km)	2.50	
29.	Construction of the 132 KV D/C line from the 220/132 KV Sub-Station at Killing to EPIP -I Sub-Station (8 Km)	4.00	
	<b>TOTAL</b>	<b>1492.76</b>	<b>90.00</b>

## 5.2 NON CONVENTIONAL SOURCES OF ENERGY.

5.2.1. Energy crisis caused by dwindling resources of fossil fuel like petroleum and coal and their pollution have compelled us to find a safe and environmentally alternative sources of Energy. The alternative new sources of energy like Solar, Hydro, Wind and Bio-Energy have already demonstrated that it can fit the bill even though it may be a small contribution to our total energy requirements. The potential of these sources will grow as the technologies in this field are improved year by year. The outlines of a successful climate sensitive energy strategy already existed. Schemes and projects under new and renewable sources of Energy though on a limited scale have been pursued with notable success in the State.

5.2.2. The approved Tenth Plan Outlay for this sector is Rs. 440.00 lakhs and the actual expenditure during the first four years of the Plan period was Rs.210.94 lakhs. The expenditure during 2002-03, 2003-04, 2004-05 and 2005-06 was Rs.56.50 lakhs, Rs.64.94 lakhs, Rs.39.00 lakhs and Rs.50.50 lakhs respectively. The approved Outlay for 2005—2006 is Rs.100.00 lakhs which is expected to be utilized in full. Thus the total anticipated expenditure for the Tenth Plan is Rs.310.94 lakhs. Except for Direction and Administration, the funding pattern of all the schemes under this sector have different funding pattern between the Centre, State and Beneficiary contribution.

5.2.3. **The outlay proposed for the 11<sup>th</sup> Plan is Rs.1200.00 lakhs and the outlay proposed for the Annual Plan 2007 2008 is Rs.100.00 lakhs.**

The main thrust proposed for the 11<sup>th</sup> Five Year Plan (2007 – 2012) is to intensify the programmes and restructure the schemes already launched during the 10<sup>th</sup> Plan on the basis of end use application of technology. The main programmes and activities are :-

**1. (a) Cooking & Lighting needs :-** For cooking & lighting needs, construction of Biogas Plant family size of 3 cu.m was a successful programme in which the achievement was 950 nos. i.e. more than the projected target of 600 nos. during the 10<sup>th</sup> Plan. These small size Biogas Plants are mainly for cooking purposes and also for lighting purposes. During the 11<sup>th</sup> Plan it is proposed to achieve 2000 nos. of Biogas Plant with an outlay of Rs. 220.00 lakhs as State's contribution.

**(b) Bio energy:-**

The total availability of cattle and buffalo dung in the State as identified by a survey have been estimated to be approximately 10 lakhs tonned / year. Experiments have been carried out with KVIC/DEENBANDHU/FLEXI Type of Biogas Plants which is made out of strong Rubberised Fabric and Fixed Dome Type which is made out of cement concrete was found suitable to this Hill Station with an advantage of easy and faster installation. It is also maintenance free and cost effective.

Community Night Soil Biogas Plant installed in the Institutional was found to be another advantage which can be used for both cooking and lighting purposes. 10 (Ten) nos. 10 cu.m each Community Night Soil Biogas Plant is proposed to be installed in Meghalaya to reduce the traditional use of firewood and economic upliftment of the rural poor areas. During the 11<sup>th</sup> Plan the Scheme is being transferred to the State Plan.

**2. Power Generation :- Generation of Powers through:-**

- a) Mini / Micro Hydel
- b) Solar Photovoltaic
- i) Solar Lantern
- ii) Solar Domesting Home System
- iii) Streets lighting System
- iv) SPV Power Plants.

**a) Micro Hydel**

The rising cost of grid electricity have created a growing interest in Micro Hydel Technology as an efficient low cost alternative in the State especially in the remote isolated areas of different terrain of this hill state. It is also simple where ordinary people will be able to manage and control. It has an added advantage of short gestation period, no submergence of deforestation problems, reduced transmission losses and the schemes are environmentally more benign.

Under the Micro Hydel Power sub sector during the 11<sup>th</sup> Plan, it is proposed to take up the works of exploitation of Pico, Micro and Mini Hydel Projects for individual and community use and to continue the implementation of Water Mill programmes.

## b) Solar Photovoltaic

Solar Photovoltaic Cell has been found to be efficient especially because of the temperature conditions prevailing in the State. Photovoltaic are already an economical electricity source for the dispersed villages in the State and as the costs fall further they shall become more economical when compared to the grid power.

During the 11<sup>th</sup> Plan 40,000 Nos. Solar PV Lantern is proposed to be distributed in rural areas at a subsidized rate and 5000 nos. Solar Home Lighting System is proposed to be installed in unelectrified Villages in Meghalaya.

The scheme wise outlay proposed for the 11<sup>th</sup> Five Year Plan (2007-2012) is Rs. 1200.00 lakhs and for the Annual Plan 2007-08 is Rs.100.00 lakhs as indicated below:-

**(Rs.in Lakhs)**

Sl. No.	Name of Scheme	11 <sup>th</sup> Plan	Annual Plan 2007-2008
1.	Direction and Administration including Advt. & Publicity	240.00	45.00
2.	Bio Energy – National project for Bio-gas Development	220.00	15.00
3.	Solar Thermal Energy	500.00	25.00
4.	Micro Hydel Project	240.00	15.00
	<b>Total</b>	<b>1200.00</b>	<b>100.00</b>

## 5.3. INTEGRATED RURAL ENERGY PROGRAMME

5.3.1 The scope of Integrated Rural Energy Programme is sought to be enlarged and intensified to improve the availability of commercial sources and improve the usage of Non-conventional sources in rural areas. The scope of expansion of Renewable sources in every nook and corner of the State will purely determine by how much we can propagate and popularize the Renewable gadgets and devices in the remote and rural villages of the state.

5.3.2 The total approved outlay for this sector for the Tenth Plan is Rs.550.00 lakhs and the actual expenditure during the Annual Plan 2002-03, 2003-04, 2004-05 and 2005-06 was Rs.61.50 lakhs, Rs.54.52 lakhs, Rs.42.42 lakhs and Rs.95.71 lakhs respectively. The approved Outlay for 2006—2007 is Rs.100.00 lakhs which is expected to be fully utilized. Thus the total anticipated expenditure during the Tenth Plan is Rs.354.15 lakhs. Except for Direction and Administration, the funding pattern of all the schemes under this sector have different funding pattern between the Centre, State and Beneficiary contribution.

5.3.3. **The proposed outlay during the 11<sup>th</sup> Plan is Rs.900.00 lakhs and the proposed outlay during the Annual Plan 2007-2008 is Rs.100.00 lakhs.**

The main programme and activities during the Eleventh Plan are :-

1. To complete the unfinished Task of completion of the Regional Institute for Integrated Rural Energy Planning and Development into a full fledged Institute. An amount of Rs. 40.00 lakhs is proposed which is to complete the construction work.
2. Exploitation of Solar Thermal programme especially Solar Water Heating System and Solar Water Pump with the intention of make acceptable of Solar Drier.



3. Biomass Gassification programme to exploit & popularise Briquetting Technology and setting up of power generation through gasification.
4. Extension of Field Project i.e. energy saving device, construction of Fixed Improved Chullas, Hybrid Saving Devices Systems and popularisation of the Bio-Fuel energy in the 11<sup>th</sup> plan will be continued.

**The proposed outlay for the Eleventh Plan (2007-2012) for this sector is Rs.900.00 lakhs and the Annual Plan 2007-08 is Rs.100.00 lakhs. The break-up is indicated below:-**

<b>Sl. No.</b>	<b>Name of Scheme</b>	<b>11<sup>th</sup> Plan</b>	<b>Annual Plan 2007-2008</b>
1.	Regional Institute for Integrated Rural Energy Planning & Development	40.00	5.00
2.	Direction and Administration	400.00	60.00
3.	Solar Thermal Programme	100.00	5.00
4.	Biomass Gassification	100.00	5.00
5.	Field Projects	240.00	25.00
6.	Cluster preparation of DPR for villages	20.00	-
	<b>Total</b>	<b>900.00</b>	<b>100.00</b>

#### **5.4. VILLAGE ELECTRIFICATION (MNES SPECIAL SCHEME)**

##### **Electrification of Remote Un - electrified Villages.**

The Government of India, has a plan to electrify all census un - electrified villages in the country by the year 2008-2009 and all household should be provided electricity by 2012. As part of this programme the Ministry of New and Renewable Energy (early known as Ministry of Non Conventional Energy Sources) take up to electrification of the census remote villages in the country through Renewable Sources.

The State Government with the approval of the Govt. of India has identified 158 nos. of villages in the State as remote villages and these villages are to be electrified through Renewable Sources of Energy. Out of these 158 nos., 57nos. of villages are to be covered during the 10<sup>th</sup> plan i.e. by 2006-2007 and the remaining of 101 nos. villages are to be electrified in the 1<sup>st</sup> two years of the 11<sup>th</sup> five year plan i.e. 2007-2008 and 2008-2009. In the 10<sup>th</sup> plan period out of the total approved outlay of Rs.500.00 lakhs, only an amount of Rs.118.00 lakhs is the anticipated expenditure as the programme of electrification of remote village in the 10<sup>th</sup> plan period took off only during the last three financial years of the 10<sup>th</sup> Plan.

The main thrust of this programme in the Eleventh Plan is to cover 101 nos of villages and the proposed outlay in this sector is Rs. 600.00 lakhs. An amount of Rs. 100.00 lakhs is proposed as the outlay for the Annual Plan 2007-2008 and the programme is expected to be completed in 2008-2009.