

POWER

The Union Territory of Pondicherry does not have any power generation of its own till the end of Eighth Year Plan period. During Ninth plan period a Gas Power Plant of 32.5 MW capacity has been established at T.R.Pattinam, Karaikal to meet the power requirement of Karaikal region at a cost of Rs.131.29 Crores and put into commercial operation from 3.1.2000. To evacuate power from the Gas Power Plant, one 110/11 KV T.R Pattinam Sub Station was commissioned on 16.7.1997. Considering the growth rate in Karaikal region, the Pondicherry Power Corporation Ltd., is planning for expansion of the existing plant by another 100 MW during Tenth plan period. The power requirements of U.T of Pondicherry are met by availing share from Central Generating Stations and purchasing power from neighboring State Electricity Boards. To meet the future loads a 230/110 KV Auto Sub Station at Bahour, another 230 KV line from Neyveli to Bahour was also energized, which is a second source of supply from NLC TS-II to 230/110 KV Bahour Auto Sub Station. In order to meet the ever growing power demand one 110/33-11 KV Sub Station at Yanam has been commissioned and one more 110/22 KV Sub Station at Thethampakkam in Manadipet Commune, Pondicherry region was also commissioned for improvement of power supply.

Under normal development activities of the department, 182 nos.of distribution transformers of various capacities were energized, 117 nos of distribution transformers of various capacities were enhanced, 96.484 kms of H.T lines and 265.896 Kms of L.T. lines were energized, 76.557 kms. of H.T lines and 134.217 Kms of L.T lines were strengthened to connect 88 nos. of HT Industrial services and 570 nos.of LT Industrial services, 29586 nos. of Domestic services, 4329 nos. of commercial services , 236 nos.of Agricultural services, 4883 nos. of OHOB services and 4136 nos of street lights during the above period . Also 9.002 Kms of H.T cable and 67.548 KMS of L.T cables were energized, 3150 nos.of Overhead services and 285-nos.of street light were converted into U.G cable system. And 12 Nos. of Over Head distribution transformer were also converted into U.G cable system. 167 nos. of officers, 169 nos. of staff were given training during the above period. Under modernization of computer system work, additional computer systems were procured for computerization of billing in Karaikal , Mahe, Yanam regions. Presently around 65500 consumers have been brought under spot bill consumer billing system. Two bill collection centers at Murungapakkam and Ariyankuppam have been opened. VSAT communication link was also provided for getting up of network with other State Electricity Boards.

During Tenth Plan, under normal developmental activities of the department, it is proposed to energise 195-nos.of-distribution transformer, to enhance 145 nos of distribution transformers, to erect 70.000 kms. of HT lines and 185.000 kms. of LT lines for connecting 25000 nos of domestic services, 2500 nos. of commercial services, 200 nos. of Agricultural services, 50 nos.of HT industrial services, 500 nos. of LT Industrial services, 5000 nos. of OHOB services and 4000 nos. of street lights. It is also proposed to lay 13.600 kms.of HT cable and 150.00 kms.of LT cables and to convert 23000 nos of OH services, 3000 nos. of streetlights into U.G cable system. It is proposed to computerize all the bill collection centers in the Pondicherry region and to extend computerization to the Karaikal, Mahe and Yanam regions. It is proposed i) to introduce mail delivery system, On-Line net meeting (Video Conferencing) facility, inter-

departmental information exchange system in all the regions of U.T of Pondicherry ii) to strengthen the existing computer system by purchase of more system software and to enhance the capacity of existing file servers. It is proposed to give training to 175 Officers and 225 line staff. It is proposed to modernize the lab with computer facilities, extend the CT services to other regions and to procure scientific equipments for upgrading the lab of MRT section.

During 2002-2003, it is proposed to establish a third 230/110 KV Auto sub station in Pondicherry region and also proposed to establish 2 nos.of 110/22 KV Sub Stations, one at Thoandamanatham and other at Korakdu Village in Pondicherry Region and to establish a 110/11 KV sub station at Polagam in Karaikal region. And it is proposed to augment the sub station capacities by erecting additional 1 X 16 MVA power transformer at Sorakudy in Karaikal and at Thethampakkam in Pondicherry region. Under sub transmission scheme, it is proposed to energize 40 nos of distribution transformers, 14.500 Kmts of HT lines, and 52.000 Kms of LT lines, and to enhance 42 nos. distribution transformers, to strengthen 6.000 Kmts of HT lines and 22.700 Kmts of LT lines to connect 6625 nos of Domestic services, 905 nos of commercial services, 33 nos of Agricultural services, 950 nos of OHOB services and 935 nos of streetlights. It is also proposed to lay 2.900 Kmts of HT cable, 21.000 Kmts of LT cables to convert 929 nos of OH services and 3 nos of OH Distribution transformer and 85 nos of OH Street lights in to U.G. cable system. It is proposed to give training to 40 nos of officers and 45 nos of staffs, to procure scientific and testing equipments for MRT & Lab and to procure additional computer systems, to enhance the capacity of existing file servers and computerization of all the collection centers in Pondicherry region.

OUTLAY AT A GLANCE

Sector : POWER
Department : ELECTRICITY

No. of Schemes: 24

(Rs. in lakhs)

Ninth Five Year Plan 1997-02 Approved Outlay	:	22950.00
Annual Plan 1997-2000 Actual Expenditure	:	11282.75
Annual Plan 2000-01 Actual Expenditure	:	2085.65
Annual Plan 2001-02 Approved Outlay	:	2286.26
Annual Plan 2001-02 Revised Outlay	:	2286.26
Tenth Five Year Plan 2002-07 Proposed Outlay	:	33000.00
Annual Plan 2002-03 Proposed Outlay	:	3200.00

(Rs. in lakhs)

Sl.No.	Name of the Scheme	2000-01	2001-02		2002-07	2002-03
		Actual Expenditure	Approved Outlay	Revised Outlay	Proposed Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Erection of 230/110 KV Sub-station with 2x80 MVA auto transformer at Bahour	319.96	114.00	37.65	52.00	49.00
2.	Providing additional primary main SS & EHT lines in the UT of Pondicherry.	357.52	414.60	325.70	975.00	203.00
3.	Rationalisation and improvement of distribution in urban areas.	107.23	165.00	115.00	2100.00	130.00
4.	Conversion of HT overhead lines into UG cable system.	61.29	83.00	39.10	410.00	89.10
5.	System improvement for reduction of transmission and distribution losses	172.53	276.00	206.00	1000.00	200.00

(1)	(2)	(3)	(4)	(5)	(6)	(7)
6.	Extension and development of power supply to agricultural, domestic & commercial services	113.10	115.00	115.00	750.00	150.00
7.	Extension and development of power supply to EWS and street lights.	140.87	155.80	155.80	750.00	150.00
8.	Upgradation of existing primary Main SS and providing new primary main SS and EHT lines in the UT of Pondicherry.	344.99	458.66	868.26	10373.00	1667.20
9.	Modernisation of billing methods and development	25.84	23.50	21.25	400.00	29.50
10.	Providing communication network for the Electricity Department, Pondy.	5.00	6.00	4.15	50.00	6.50
11.	Establishment of computer based system monitoring centre at Pondicherry.	73.99	76.00	32.85	930.00	199.00
12.	Research and development setting up of standard laboratory.	48.20	70.50	75.50	200.00	81.50
13.	Formation of Electrical inspectorate and licensing board for Pondicherry.	0.01	0.20	0.10	10.00	0.20
14.	Human Resources Development	-	-	-	40.00	8.00
15.	Rural Electrification (PMGY)	-	53.40	53.40	250.00	50.00

(1)	(2)	(3)	(4)	(5)	(6)	(7)
16.	Providing meters for all consumers under cent percent metering programme.	-	-	-	500.00	75.00
17.	Establishment of third 230 KV Sub-station at Pondicherry.	-	-	-	2000.00	10.00
18.	Erection of 230 KV lines from Villianur 230 KV sub-station to the proposed 230 KV sub-station.	-	-	-	210.00	2.00
19.	Expansion of existing Combined Cycle Gas Power Plant at Karaikal.	-	-	-	12000.00	100.00
20.	Conversion of HT overhead lines to UG system. #	64.10	60.00	22.00	-	-
21.	Extension and development of power supply to industries	183.76	214.50	214.50	-	--
22.	Establishment of Combined Cycle Gas Power Plant at Karaikal (TR Pattinam)*	-	0.10	-	-	-
24.	Erection of 230 KV Tower line from 230/110 KV Villianur Sub-station to the proposed 230/110 KV Bahour sub-station*	67.26	-	-	-	-
Total		2085.65	2286.26	2286.26	33000.00	3200.00

Merged with Scheme No. 4

* Scheme dropped.

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Erection of 230/110 KV SS with 2x 80 KVA Auto Transformer at Bahour.

2. **Objectives of the Scheme** :

To meet the growing Power Demand of the Pondicherry region.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**

a.	1997 – 2000 (Actual Expenditure)	:	135.05
b.	2000 – 2001 (Actual Expenditure)	:	319.96
c.	2001 – 2002 (Revised Outlay)	:	37.65

d. **Actual Physical Achievement (1997 – 2000):**

1. Construction of main Control room, Cast – in – situ Structure earth filling & levelling works, providing of earthmats and earthpits for 230 KV and 110 KV sides were completed. Fencing work, internal road work, over head tank and erection of 110KV and 230 KV isolators and earth switches were also completed.
2. Deposits made for Rs.28.66 lakhs and 12.60 lakhs, 0.53 lakhs to M/S Telk , Kerala towards supply of Transformer oil over hauling and Balance payment for arresting oil leakages in the two nos. of 230/110 KV 80MVA. Auto Transformers and supply of 4 nos. of Bucholz relay with one no. of oil flow meter respectively.
3. Rs. 23.65 lakhs was deposited to TNEB towards balance payment for establishment of 230/110 KV Bahour Auto Sub-Station.
4. Tools and Plant items, and furniture and one four wheeler have been procured.

e. **Actual Physical Achievement (2000 - 2001) :**

1. Central Electricity Authority approval obtained for commissioning of Bahour Auto Sub-Station.
2. 230/110 KV Bahour Auto Sub-Station has been commissioned on 29-05-2000 with one 80MVA Power Transformer.
3. Balance payment to Tamil Nadu Electricity Board towards additional expenditure already incurred in connection with the establishment of 230/110 KV Bahour Auto Sub-Station.
4. Tools & Plants have been procured.

5. Second 80 MVA Power Transformer has been commissioned on 11.01.2001.

f. Anticipated Physical Achievement (2001–02):

1. Balance payment to be paid to PASIC.
2. Purchase of vehicle.

4. **Proposed outlay for the Tenth Plan 2002 – 07** : 52.00 lakhs.
Proposed outlay for the Annual Plan 2002 – 03 : 49.00 lakhs.

5. **Programme envisaged for the Tenth Plan 2002 – 2007:**

Balance payment to be deposited to TNEB.

6. **Programme envisaged for the Annual Plan (2002 – 2003):**

Balance payment to be deposited to the TNEB.

7. **Remarks** : Continuing scheme.

Scheme No : 2

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Providing additional primary main Sub-station and EHT lines in the Union Territory of Pondicherry.

2. **Objectives of the Scheme** :

To Stabilize the supply condition, to meet the growth of load, to locate EHT Sub-Stations at load centres and to reduce transmission line losses.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**

a. **1997 – 2000 (Actual Expenditure)** : 1575.09
b. **2000 – 2001 (Actual Expenditure)** : 357.52
c. **2001 – 2002 (Revised Outlay)** : 325.70

d. Actual Physical Achievement (1997 – 2000):

1. The 10 MVA Power Transformer at Eripakkam was replaced by 16 MVA Power transformer on 20.03.98. The 2nd 16 MVA Power Transformer was Commissioned on 26.03.99. And one no. of 110 KV HV–I breaker was Commissioned at Eripakkam.

2. The 132/11 KV Yanam SS was Commissioned with 2 x 10 MVA Power Transformer on 04.11.98.
3. Civil works at Thethampakkam were completed and also 110 KV Isolators and HV Breakers were erected.
4. The 3rd and 4th 10 MVA Power Transformer at Marapalam 110KV SS were replaced by 16 MVA Power Transformer and Commissioned.
5. 40 nos. of 110 KV towers were erected between Sedarapet and Thethampakkam.
6. 110 KV Villianur – Thirubuvanai line works were completed.
7. The additional 16 MVA Power Transformer was erected in the plinth at 110/22 KV Kurumbapet Sub-Station.
8. The erection work of 110 KV line from Bahour 230 KV SS to Bahour 110 KV SS was completed.

e. Actual Physical Achievement (2000 - 2001) :

1. The 110/22 KV Thethampakkam Sub-station was commissioned on 24.01.2001.
2. The 110 KV line from 230/110 KV Bahour Auto SS to 110/22 KV Eripakkam SS was charged on 01.07.2000.
3. The 110 KV line from 230 KV Auto SS to 110/22 KV Bahour SS and from 110/22 KV Sedarapet SS to 110/22 KV Thethampakkam SS were charged.
4. One 16 MVA Power Transformer was energised at 110/22 KV Kurumbapet Sub – Station.
5. 2 Nos. of 22 KV feeders were erected at 110/22 KV Kurumbapet SS.

f. Anticipated Physical Achievement (2001 – 2002):

1. Part payment to TNEB towards
 - i. PLCC facilities between Bahour 230 KV SS to Eripakkam SS at Eripakkam SS.
 - ii. Providing outdoor Communication equipment's at various SS.
 - iii. Provision of PLCC link between Sedarapet and Thethampakkam 110 KV SS and shifting of outdoor equipment at Thirubuvanai SS.
2. Erection 15 KVA Diesel-Generator at Thethampakkam SS
3. Erection of 22 KV and 11 KV Feeders and related line strengthening
4. works.
5. Providing of Telephone in the office of the EE/EHV.
6. Erection of additional Tower on Perambai village for 110 KV Villianur – Sedarapet – Kalapet line.
7. Erection of additional Power Transformer at Thethampakkam 110/22 KV Sub-Station.

4.	Proposed outlay for the Tenth Plan 2002–07	:	975.00 lakhs.
	Proposed outlay for the Annual Plan 2002–03	:	203.00 lakhs.

5. **Programme envisaged for the Tenth Plan 2002 – 2007:**

1. Erection of 22 KV and 11 KV Feeders and related line strengthening works.
2. Payment towards additional land Compensation for land acquired for various Sub-Stations as per the requirement of Deputy Collector/Land acquisition.
3. Balance payment to TNEB towards Establishment of Eripakkam SS including bay arrangement at Thirubuvanai SS and other SS works.

6. **Programme envisaged for the Annual Plan (2002 – 2003):**

1. Erection of 22 KV and 11 KV feeders related line strengthening works.
2. Payments towards additional land Compensation for lands acquired for various Sub-Stations as per the requirement of Deputy Collector/Land Acquisition.
3. Balance payment to TNEB towards Establishment of Eripakkam SS including bay arrangement at Thirubuvanai SS and other SS works.

7. **Remarks** : Continuing Scheme.

Scheme No : 3

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Rationalisation and Improvement of distribution in urban and rural areas.
2. **Objectives of the Scheme** :

To meet the rapidly growing demand for power in and around Pondicherry, Karaikal and Yanam with stabilized system Parameter and reduced line losses by providing U.G cable distribution system and converting existing over head lines into U.G cable system in selected urban areas.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**

- | | | |
|-------------------------------------|---|--------|
| a. 1997 – 2000 (Actual Expenditure) | : | 276.00 |
| b. 2000 – 2001 (Actual Expenditure) | : | 107.23 |
| c. 2001 – 2002 (Revised Outlay) | : | 115.00 |

d. Actual Physical Achievement (1997 – 2000):

1. H.T cable energised 0.17 km
2. L.T cable energised 41.996 km
3. OH services were converted in to U.G cable system 2483 Nos.
4. Old street lights were converted in to U.G cable system 219 Nos.

e. Actual Physical Achievement (2000 – 01):

1. L.T cable energised 15.461 km
2. OH services were converted in to U.G cable system 667 Nos.
3. OH street lights were converted in to U.G cable system 66 Nos..

f. Anticipated Physical Achievement (2001 – 2002):

1. Laying of HT cables - 0.10 km
2. Laying of LT cables - 15.00 km
3. Conversion of OH services into U.G cable system - 800 Nos.
4. Conversion of OH Street lights into U.G cable system - 80 Nos.

4. **Proposed outlay for the Tenth Plan 2002 – 07** : 2100.00 lakhs
Proposed outlay for the Annual Plan 2002 – 03 : 130.00 lakhs

5. Programme envisaged for the tenth Plan (2002 – 07) :

1. Laying of HT cables - 0.5 km
2. Laying of LT cables - 105 km
3. Conversion of OH services into U.G cable system - 23000 Nos.
4. Conversion of OH Street lights into U.G cable system - 3000 Nos.

6. Programme envisaged for the Annual Plan (2002 – 03) :

1. Laying of HT cables - 0.10 km
2. Laying of LT cables - 15 km
3. Conversion of OH services into U.G cable system - 929 Nos.
4. Conversion of OH Street lights into U.G cable system - 85 Nos.

7. **Remarks** : Continuing scheme.

Scheme No : 4

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Conversion of H.T over head lines into U.G cable system.

2. **Objectives of the Scheme** :

To provide additional Power supply through 11 KV feeder to the existing Ring main system and strengthening the same to meet the load growth in urban areas.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**

a. 1997 – 2000 (Actual Expenditure)	:	179.53
b. 2000 – 2001 (Actual Expenditure)	:	61.29
c. 2001 – 2002 (Revised Outlay)	:	39.10

d. Actual Physical Achievement (1997 – 2000):

1. HT Cables energised	-	1.839 kms.
2. 110/0.433 KV Transformer energised	-	3 Nos.
3. 11/0.433 KV Transformer enhanced	-	6 Nos.
4. Switch gear erected	-	7 Nos.

e. Actual Physical Achievement (2000 – 2001):

1. HT Cables energised	-	0.040 kms.
2. 110/0.433 KV Transformer energised	-	2 Nos.
3. 11/0.433 KV Transformer enhanced	-	1 Nos.
4. Switch gear erected	-	4 Nos.

f. Anticipated Physical Achievement (2001 – 2002):

1. Laying of HT Cables	-	0.040 Kms.
2. Erection of Pillar Boxes	-	12 Nos.
3. Laying of LT cables	-	6 Kms.

4. Proposed outlay for the Tenth Plan 2002 – 07	:	410.00 lakhs
Proposed outlay for the Annual Plan 2002 – 03	:	89.10 lakhs

5. **Programme envisaged for the Tenth Plan (2002–07) :**

1. Erection of Transformer	-	10 Nos.
2. Enhancement of Transformer	-	20 Nos.
3. Laying of HT Cables	-	13,100 Kms.
4. Laying of LT Cables	-	45,000 Kms.
5. Erection of Switch Gear	-	25 Nos.
6. Erection of Pillar Boxes	-	100 Nos.

6. **Programme envisaged for the Annual Plan (2002–03) :**

1. Erection of Transformer	-	1 Nos.
2. Enhancement of Transformer	-	2 Nos.
3. Laying of HT Cables	-	2,000 Kms.
4. Laying of LT Cables	-	6,000 Kms.

7. **Remarks** : Continuing scheme. After merging of two schemes, the scheme title of this scheme has been changed.

Scheme No : 5

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : System Improvement for reduction of transmission and distribution losses.

2. **Objectives of the Scheme** :

To provide link line with the existing HT feeders and connect up with the existing and new EHV Sub Stations to feed additional loads and to reduce the route length of the existing feeders in order to reduce the line losses.

To provide additional HT feeders and Strengthening the existing HT feeders to feed the additional loads to bring down the voltage regulation within statutory limit and to reduce line losses in the system.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**
- | | | |
|-------------------------------------|---|--------|
| a. 1997 – 2000 (Actual Expenditure) | : | 565.78 |
| b. 2000 – 2001 (Actual Expenditure) | : | 172.53 |
| c. 2001 – 2002 (Revised Outlay) | : | 206.00 |

d. Actual Physical Achievement (1997 – 2000):

- | | | |
|-----------------------------|--------|------|
| 1. Transformer energised | 50 | Nos. |
| 2. Transformer enhanced | 39 | Nos. |
| 3. H.T lines energised | 42.957 | Kms. |
| 4. L.T lines energised | 21.800 | Kms. |
| 5. H.T lines strengthened | 44.853 | Kms. |
| 6. L.T lines strengthened | 65.492 | Kms. |
| 7. L.T capacitors energised | 72 | Nos. |

e. Actual Physical Achievement (2000 – 2001):

- | | | |
|---------------------------|--------|------|
| 1. Transformer energised | 15 | Nos. |
| 2. Transformer enhanced | 12 | Nos. |
| 3. H.T lines energised | 11.471 | Kms. |
| 4. L.T lines energised | 2.756 | Kms. |
| 5. H.T lines strengthened | 7.625 | Kms. |
| 6. L.T lines strengthened | 21.166 | Kms. |

f. Anticipated Physical Achievement (2001 – 2002) :

1. Transformer energisation	16	Nos.
2. Transformer enhancement	20	Nos.
3. H.T lines energisation	8.00	Kms.
4. L.T lines energisation	7.50	Kms.
5. H.T lines strengthening	6.00	Kms.
6. L.T lines strengthening	12.70	Kms.
7. L.T capacitors 10 KVAR	20	Nos.
20 KVAR	37	Nos.
8. Provision of voltage stabiliser		
9. Procurement of T & P items		
10. Procurement of two Wheelers	2	Nos.
11. Providing telephone facilities		
12. Creation of. Wireman posts (meter reader)	2	Nos.

4.	Proposed outlay for the Tenth Plan 2002 – 07	:	1000.00 lakhs
	Proposed outlay for the Annual Plan 2002 –03	:	200.00 lakhs

5. Programme envisaged for the Tenth Plan 2002 – 2007:

1. Transformer energisation	75	Nos.	
2. Transformer enhancement	60	Nos.	
3. H.T lines energisation	30.00	Kms.	
4. L.T lines energisation	20.00	Kms.	
5. H.T lines strengthening	20.00	Kms.	
6. L.T lines strengthening	100.00	Kms.	
7. Provision of L.T capacitors			
10 KVAR	200	Nos.	
20 KVAR	200	Nos.	
8. Provision of voltage stabiliser			
9. Procurement of Vehicles			
1. Van /Jeep	1		No.
2. Two Wheelers	9	Nos.	
10. Procurement of T & P items			
11. Providing telephone facilities			
12. Creation of posts :			
Group B	1		No.
Group C	87	Nos.	
Group D	4	Nos.	
(Total = 92 Nos.)			

6. Programme envisaged for the Annual Plan (2002 – 2003):

1. Transformer energisation	21	Nos.
2. Transformer enhancement	19	Nos.
3. H.T lines energisation	8.00	Kms.
4. L.T lines energisation	6.50	Kms.
5. H.T lines strengthening	6.00	Kms.
6. L.T lines strengthening	12.50	Kms.
7. L.T capacitors		
	10 KVAR	20 Nos.
	20 KVAR	37 Nos.
8. Provision of voltage stabiliser		
9. Procurement of Vehicles		
1. Jeep/Van (one for Karaikal)	2	Nos.
2. Two Wheelers		
	2	Nos.
10. Procurement of T & P items		
11. Providing telephone facilities		
12. Creation of posts :		
1. Asst – Engineer	1	No.
2. Wireman/MR	1	Nos.

7. **Remarks** : Continuing Scheme.

Scheme No : 6

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Extension and development of Power supply to Domestic, Commercial and agricultural Services.

2. **Objectives of the Scheme** :

- i) To energise more irrigation wells used for agricultural purposes.
- ii) To erect power supply to new houses / colonies and strengthen the existing distribution system.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**

a. 1997 – 2000 (Actual Expenditure)	:	324.64
b. 2000 – 2001 (Actual Expenditure)	:	113.10
c. 2001 – 2002 (Revised Outlay)	:	115.00

d. Actual Physical Achievement (1997 – 2000):

1. Transformer energised	10 Nos.
2. Transformer enhanced	10 Nos.
3. H.T lines energised	5.514 Kms.
4. L.T lines energised	100.834 Kms.
5. H.T lines strengthened	1.500 Kms.
6. L.T lines strengthened	24.04 Kms.
7. Domestic services effected	21955 Nos.
8. Commercial services effected	3107 Nos.
9. Agricultural services effected	185 Nos.

e. Actual Physical Achievement (2000 – 2001):

1. Transformer energised	3 Nos.
2. Transformer enhanced	2 Nos.
3. H.T lines energised	1.010 Kms.
4. L.T lines energised	40.351 Kms.
5. L.T lines strengthened	9.597 Kms.
6. Domestic services effected	7631 Nos.
7. Commercial services effected	1222 Nos.
8. Agricultural services effected	51 Nos.

f. Anticipated Physical Achievement (2001 – 2002):

1. Transformer energisation	4 Nos.
2. Transformer enhancement	6 Nos.
3. H.T lines	2.60 Kms.
4. L.T lines	31.50 Kms.
5. L.T lines strengthened	7.50 Kms.
6. Domestic services	6325 Nos.
7. Commercial services	880 Nos.
8. Agricultural services	41 Nos.
9. Procurement of	
1. Two wheelers	2 Nos.
2. Van/Jeep	1
	No.
10. Provision of telephone Facilities	
11. Procurement of T & P items	
12. Creation of Wireman Posts (Meter Reader)	2 Nos.

4. Proposed outlay for the Tenth Plan 2002 – 07	:	750.00 lakhs
Proposed outlay for the Annual Plan 2002 – 03	:	150.00 lakhs

5. Programme envisaged for the Tenth Plan 2002 – 2007:

1.	Transformer energisation	50	Nos.
2.	Transformer enhancement	25	Nos.
3.	H.T lines	20.00	Kms.
4.	L.T lines	100.00	Kms.
5.	L.T lines strengthening	50.00	Kms.
6.	Domestic services	25000	Nos.
7.	Commercial services	2500	Nos.
8.	Agricultural services	200	Nos.
9.	Providing telephone Facilities		
10.	Procurement of vehicles		
	1. Jeep/VAN	1	No.
	2. Two wheelers	7	Nos.
11.	Procurement of T & P items		
12.	Creation of posts:		
	Group A	-	
	Group B	1	No.
	Group C	81	Nos.
	Group D	4	Nos.
	(Total = 86 Nos.)		

6. Programme envisaged for the Annual Plan (2002 – 03):

1.	Transformer energisation	4	Nos.
2.	Transformer enhancement	6	Nos.
3.	H.T lines	2.60	Kms.
4.	L.T lines	31.50	Kms.
5.	L.T lines strengthening	7.50	Kms.
6.	Domestic services	6625	Nos.
7.	Commercial services	905	Nos.
8.	Agricultural services	33	Nos.
9.	Procurement of T & P items		
10.	Provision of telephone Facilities		
11.	Procurement of vehicles		
	1. Two wheelers	2	Nos.
12.	Creation of posts:		
	1. JE	1	No.
	2. LI	1	No.
	3. LM	1	Nos.
	4. WM/MR (7/4)	3	Nos.

7. Remarks : Continuing Scheme.

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Extension and development of Power supply for economically weaker section and street lights.
2. **Objectives of the Scheme** :
- To provide additional street lights to ensure better living conditions of the public.
 - To improve the living conditions of hut dwellers both in urban and rural areas by extending Electricity facility at free of cost, and
 - To extend Electricity at free of cost to the houses constructed under Chief Minister's 5000 houses Programme and by the Directorate of Adidravidar Welfare caste.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**

- a. **1997 – 2000 (Actual Expenditure)** : 348.99
- b. **2000 – 2001 (Actual Expenditure)** : 140.87
- c. **2001 – 2002 (Revised Outlay)** : 155.80
- d. **Actual Physical Achievement (1997 – 2000):**

1. Transformer energised	1	No.
2. H.T line energised	0.205	Kms.
3. L.T line energized	51.137	Kms.
4. L.T line strengthened	2.985	Kms.
5. O.H.O.B service effected	3597	Nos.
6. Street lights effected	2896	Nos.
7. Street light converted	773	Nos.

e. **Actual Physical Achievement (2000 – 2001):**

1. Transformer energised	1	No.
2. L.T lines energised	28.375	Kms.
3. O.H.O.B services effected		
OC	678	Nos.
SC	608	Nos.
(Total = 1286 Nos.)		
4. Street lights effected		
OC	1131	Nos.
SC	109	Nos.
(Total = 1240 Nos.)		
5. Street lights converted	543	Nos.

f. Anticipated Physical Achievement (2001 – 2002):

1. Transformer energisation		1	No.
2. H.T lines		0.500	Kms.
3. L.T lines		10.000	Kms.
4. O.H.O.B services			
	OC	670	Nos.
	SC	280	Nos.
	(Total = 950 Nos.)		
5. Street lights			
	OC	750	Nos.
	SC	165	Nos.
	(Total = 915 Nos.)		
6. Conversion of street lights		390	Nos.
7. Procurement of Two wheelers		2	Nos.
8. Providing Telephone facilities			
9. Procurement of T & P items			
10. Construction of additional pole casting yard at Karaikal.			

4.	Proposed outlay for the Tenth Plan 2002 – 07	:	750.00 lakhs
	Proposed outlay for the Annual Plan 2002 – 03	:	150.00 lakhs

5. Programme envisaged for the Tenth Plan 2002 – 2007:

1. L.T lines energisation		50.00	Kms.
2. O.H.O.B services			
	OC	3500	Nos.
	SC	1500	Nos.
	(Total = 5000 Nos.)		
3. Street lights			
	OC	3000	Nos.
	SC	1000	Nos.
	(Total = 4000 Nos.)		
4. Procurement of vehicles			
1. Van/Jeep		1	No.
2. Two wheelers		7	Nos.
5. Procurement of T & P items			
6. Providing Telephone facilities			
7. Construction of building			
8. Creation of posts:			
	Group B	1	Nos.
	Group C	62	Nos.
	Group D	3	Nos.

6. Programme envisaged for the Annual Plan (2002 – 03):

1. L.T lines energisation		9.250 Kms.
2. O.H.O.B services		
	OC	670 Nos.
	SC	280 Nos.
	(Total = 950 Nos.)	
3. Street lights		
	OC	770 Nos.
	SC	165 Nos.
	(Total = 935 Nos.)	
4. Conversion of street lights		515 Nos.
5. Procurement of vehicles:		
1. Two wheelers		1 No.
6. Procurement of T & P items		
7. Providing Telephone facilities		
8. Construction of building		
9. Creation of posts:		
a. JE		1 No.
b. LI		1 No.
c. LM		3 Nos.
d. WM/MR (6/4)		10 Nos.
e. Helper		7 Nos.
f. Watchman		1 No.
	(Total = 23 Nos.)	

7. **Remarks** : Continuing Scheme.

Scheme No : 8

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Up-gradation of the existing primary main Sub-station and providing new primary main Sub-station and EHT lines in the Union Territory of Pondicherry.
2. **Objectives of the Scheme** :

To meet the additional Power demand to locate the EHV Sub-Station at load centres and to reduce transmission line losses.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**
- | | | |
|-------------------------------------|---|--------|
| a. 1997 – 2000 (Actual Expenditure) | : | 367.69 |
| b. 2000 – 2001 (Actual Expenditure) | : | 344.99 |
| c. 2001 – 2002 (Revised Outlay) | : | 868.26 |

d. Actual Physical Achievement (1997–2000) :

1. Part payment to the PGCIL towards augmentation of Thirubuvanai, Eripakkam, Marapalam and Bahour 110KV Sub-Stations.
2. Preliminary works for the finalisation of specifications for augmentation of Eripakkam, Thirubuvanai and Bahour 110 KV Sub-Station.

e. Actual Physical Achievement (2000 – 2001):

1. Payment to PGCIL for augmentation and allied works at Bahour, Eripakkam, Thirubuvanai and Marapalam 110 KV Sub-Stations.
2. Part payment for erection of 110 KV Double circuit LILO line to the proposed new Pillaiteruvasal 110 KV Sub-Station.

f. Anticipated Physical Achievement (2001 – 2002):

1. Balance payment to Power Grid corporation of India Limited towards Augmentation of Bahour, Eripakkam, Marapalam and Thirubuvanai Sub-Station.
2. Payment to the PGCIL towards Establishment of Pillaiteruvasal SS, Karaikal.
3. Preliminary works for Augmentation of Villianur 110/22 KV Sub-Station by erecting new 1x10 MVA Power Transformer and provision of additional new 22 KV feeders.
4. Providing additional 22 KV breakers in various Sub-Stations.
5. Erection of 22 KV and 11 KV feeders and related line strengthening works.
6. Providing a DG set at Marapalam SS.

4.	Proposed outlay for the Tenth Plan 2002 – 07	:	10373.00
	Proposed outlay for the Annual Plan 2002 – 03	:	1667.20

5. **Programme envisaged for the tenth Plan (2002-07) :**

IX Plan Scheme works (Spill over) :

1. Establishment of new Gas insulated Sub-Station near Anandha Inn, and new Swedesi Cotton Mill in Pondicherry.
2. Augmentation of Power Transformer capacity with 1x16 MVA Power Transformer at Sadherapet Sub-Station.
3. Extension of 110 KV line from Kurumbapet Sub-Station to Sedherapet Sub-Station.
4. Extension of 110 KV line from Thirubuvanai Sub-Station to Thethampakkam Sub-Station.
5. Modernisation of Villianur 230 KV Auto Sub-Station.
6. Establishment of 110/11 KV Sub-Station at Pillaiteruvasal, Karaikal.
7. Extension of 110 KV bay at Thethampakkam, Kurumbapet, Sedherapet and Thirubuvani Sub-Stations.
8. Improvement of Bahour, Marapalam and Kurumbapet Sub-Stations.
9. Provision of Capacitor banks in various Sub-Stations.

10. Extension of 110 KV UG cables to the proposed site of 110/11 KV GIS Sub-Station near Anandha Inn and swedesi Cotton Mill in Pondicherry.
11. Extension of 110 KV Double circuit line from existing 110 KV Thiruvarur –Sorakudy single circuit line i.e., loop in loop out near Sorakudy Sub-Station, Karaikal.

X Plan Scheme works :

12. 110 KV Thondamanatham Sub-Station including 110 KV bay extension works.
13. 110 KV Polagam Sub-Station including land cost.
14. 110 KV line to the proposed Pologam Sub-Station, Karaikal.
15. Establishment of 110/11 KV Sub-Station at Korkadu, including land cost.
16. 110 KV line to Korkadu Sub-Station.
17. Augmentation of Thethampakkam Sub-Station by erecting new 1x10 MVA Power Transformer.
18. Augmentation of Sorakudy Sub-Station, Karaikal by erecting new 1x16 MVA Power Transformer.
19. Erection of 110 KV Thondamanatham – Karaikal – Villianur- Kalapet lines.
20. Erection of 110 KV Thondamanatham – Thethampakkam line.
21. Erection of 110 KV Thondamanatham – Villianur – Sedherapet lines.
22. Provision of capacitor Bank in the proposed Sub-Station.
23. New 110 KV lines in the Karaikal region.
24. Procurement of 9 Nos.of Van/Jeep.
25. Providing Telephone facilities.
26. Creation of posts:
 - Group A - 2
 - Group B - 7
 - Group C - 118
 - Group D - 30

6. Programme envisaged for the Annual Plan (2002 – 2003):

IX Plan Scheme works (Spill over) :

1. Part payment for Establishment of new Gas Insulated Sub-Station near Anandha Inn and near Swedesi Cotton Mills, Pondicherry.
2. Part payment for provision of Capacitor Banks at various Sub-Station, and augmentation of power transformer capacity with 1 x 16 MVA Power Transformer at Sedherapet Sub-Station.
3. Shifting of 10 MVA Power Transformer from Marapalam Sub-Station to Villianur Sub-Station and allied works.
4. Balance payment for erection of 110 KV line to Pillaiteruvasal Sub-Station, Karaikal.
5. Balance payment for establishment of Pillaiteruvasal Sub-Station, Karaikal.

6. Creation of the following posts for taking over the 110/22 KV Villianur Sub Station.
 1. Assisstant Engineer - 1 No
 2. Junior Engineer - 3 Nos.
 3. Line Inspector - 1 No
 4. Line Man - 2 Nos
 5. Wire Man - 1 No
 6. Helper - 3 Nos
 7. Watch Man - 2 Nos.

X Plan Scheme works :

7. Preliminary works related to :
 - (i) Establishment of 110 KV Thondamanatham Sub-Station and allied line works.
 - (ii) Establishment of 110 KV Polagam Sub-Station at Karaikal and allied line works.
 - (iii) Establishment of 110 KV Korkadu Sub-Station and allied works.
8. Part Payment to the executive agencies of the following works:
 - (i) Augmentation of Sorakudy Sub-Station, Karaikal by erecting on additional new 1x16 MVA Power Transformer.
 - (ii) Augmentation of Thethampakkam Sub-Station by erecting on additional new 1x10 MVA Power Transformer.
9. Creation of 27 Nos. of posts for Pillaiteruvasal Sub-Station, Karaikal and execution of Tenth Plan Work as detailed below:
 - (i) Assistant Engineer - 1 No.
 - (ii) Junior Engineer Grade II - 3 Nos.
 - (iii) Line Inspector - 1 No.
 - (iv) Line man - 3 Nos.
 - (v) Helper - 2 Nos.
 - (vi) Wireman - 1 No.
 - (vii) Watchman - 2 Nos.
10. Procurement of the following Vehicle :
 - (i) 2 Nos. of Pick-up van, one for Pillaiteruvasal Sub-Station, Karaikal and another one for Pondicherry (Feeder Construction).
 - (ii) One Jeep for Assistant Engineer/EHV Sub-Station for execution of plan works.
 - (iii) Providing of Telephone facilities for Pillaiteruvasal Sub-Station, Karaikal.

7. **Remarks** : Continuing scheme.

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Modernisation of billing methods and developments.

2. **Objectives of the Scheme** :

To modernise issue of bills for current Consumption charges, payments and other Commercial and technical activities by introducing Computers.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**

a. 1997 – 2000 (Actual Expenditure)	:	98.76
b. 2000 – 2001 (Actual Expenditure)	:	25.84
c. 2001 – 2002 (Revised Outlay)	:	21.25

d. Actual Physical Achievement (1997 – 2000):

1. Computerisation of HT consumer billing and two collection centers one at Murungapakkam and another at Ariyankuppam.
2. Up-graded existing Network and Computer systems.
3. Procured additional Computer systems like diskless workstations, Personal Computers with floppy drive, Printers, UPS with data processing forms and consumables and journal manuals.
4. Procured furniture, fixtures, machinery equipment and other tools and plants.
5. Financial Accounting has been Computerized.
6. Provided VSAT Communication links for setting up of Network with other State Electricity Boards.
7. Finalised annual maintenance contract for Computer systems and UPS units.
8. Around 65,500 Consumers have been brought under spot bill consumer billing.

e. Actual Physical Achievement (2000 – 2001):

1. Computer systems have been supplied to Karaikal region.
2. Billing data is being collected.
3. Purchased additional Computers, UPS, Data processing forms, Computer consumables and T & P items.

f. Anticipated Physical Achievement (2001 – 2002):

1. Up-gradation of existing Network and Computer systems.

2. Procurement of additional Computer systems like diskless workstations, Personal Computers with Floppy drive, Printers and uninterrupted Power Supply units.
3. Procurement of system software packages.
4. Procurement of furniture, fixtures, machinery equipment and other tools and plants.
5. Procurement of data processing forms and consumables.
6. Procurement of journal and reference manuals.
7. Computerization of sub urban collection centers.
8. Provision of dial-up connection network.

4.	Proposed outlay for the Tenth Plan 2002 – 07	:	400.00 lakhs
	Proposed outlay for the Annual Plan 2002 – 03	:	29.50 lakhs

5. Programme envisaged for the Tenth Plan 2002 – 2007:

1. Extend computerization activity to the outlying regions of Karaikal, Mahe and Yanam where computer systems have been installed on a trial basis.
2. Extend computerization activity to the Divisional/Sub-Divisional/Section and other Bill Collection centers.
3. Inter-connect the outlying regions, Divisional, Sub-Divisional, Section offices and Bill Collection Centers of Pondicherry and Karaikal regions by providing suitable communication mechanism at the main office network and at each of the user locations. The communication system will be implemented with options for end-to-end transmission of data/fax/voice and video.
4. Provide on-line net meeting (video conferencing) facility for all Executives of the Department.
5. Introduce mail delivery system for all Divisional, Sub-Divisional, Section offices and Bill Collection Centers in the four regions for internal and external communications.
6. Design and implement an inter-departmental information exchange system.
7. Augment the file storage capacity of the existing File Servers by enhancing the capacity of the existing file servers and by adding new file servers.
8. Strengthen the existing LAN at the main office to supplement the additional load accrued due to extension of computerization to other regions, divisions, Sub-divisions, sections and bill collection centers.
9. Augment the Power delivery systems for the LAN by increasing the capacity of the existing UPS Systems and by adding new UPS systems.
10. Procure new computer systems, Peripherals and UPS systems for the regional, divisional, sub-divisional and section offices and bill collection centers to be connected either to the main LAN or as stand-alone systems.
11. Procure new system software, application software development tool, mail delivery systems and application packages for automation of all offices.
12. Develop and implement new application packages to automate the functioning of the various activities at the main office and at the regional, divisional, sub-divisional and section offices.

13. Procure and provide computer consumables and data processing forms for day-to-day use of all offices that are to be brought under computerization.
14. Provide extensive training to Engineers and Staff for development, maintenance and administration of application software and usage of computer systems.
15. Procure system/software manuals, reference books and journals for use of Engineers and Staff to the department.
16. Setup a new computer center with all modern facilities like software development lab, conference hall and training center at the second floor of the existing MRT building.
17. Create new Posts of Engineers and Staff for implementation of the Scheme.
 - Group A - 1 No.
 - Group B - 2 Nos.
 - Group C - 16 Nos.
 - Group D - 3 Nos.

6. Programme envisaged for the Annual Plan (2002 – 03) :

1. Up-gradation of existing Network and Computer systems.
2. Procurement of additional Computer systems like diskless workstations, Personal Computers with Floppy drive, Printers and uninterrupted Power Supply units.
3. Procurement of system software packages.
4. Procurement of furniture, fixtures, machinery and equipment and other tools and plants.
5. Procurement of data processing forms and consumables.
6. Procurement of journal and reference manuals.
7. Computerization of sub urban collection centers.
8. Provision of dial-up connection network.
9. Development of software for Computerization of O & M offices.
10. Provision of Communication facilities for connection of remote computers in outlying regions and O & M offices.

7. **Remarks** : Continuing scheme.

Scheme No : 10

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Providing Communication network, for Electricity Department, Pondicherry.
2. **Objectives of the Scheme** :

To establish effective Communication network among various sub-stations and Operation & Maintenance sections for minimising Power interruption period.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**

a. 1997 – 2000 (Actual Expenditure)	:	42.93
b. 2000 – 2001 (Actual Expenditure)	:	5.00
c. 2001 – 2002 (Revised Outlay)	:	4.15

d. Actual Physical Achievement (1997 – 2000):

The following items were purchased.

- (i) 2.5 KVA generator set.
- (ii) 15 Nos. of VHF sets.
- (iii) 50 Nos. of Pagers.
- (iv) 43 Nos. of Lead Acids Batteries
- (v) Spares for VHF sets.
- (vi) Paid Royalty and License fees for VHF sets and Pagers.

e. Actual Physical Achievement (2000 – 2001):

The following items were purchased.

- (i) 10 Nos. of VHF sets
- (ii) VHF spares.
- (iii) Lead Acid Batteries
- (iv) Paid Royalty and license fees for VHF sets and Pagers.

f. Anticipated Physical Achievement (2001 – 2002):

- (i) Purchase of VHF sets = 10Nos.
- (ii) Purchase of VHF spares.
- (iii) Payment towards service charges for Pagers.

4. Proposed outlay for the Tenth Plan 2002 – 07	:	50.00 lakhs
Proposed outlay for the Annual Plan 2002 – 03	:	6.50 lakhs

5. **Programme envisaged for the tenth Plan (2002 – 2007):**

- (i) Purchase of VHF sets.
- (ii) Purchase of spares for VHF sets.
- (iii) Payment towards service charges for Pagers.
- (iv) Payment towards Royalty and License fee for VHF sets.

5. **Programme envisaged for the Annual Plan (2002 – 2003):**

- (i) Purchase of VHF sets = 10 Nos.

- (ii) Payment towards Pager service charge.
- (iii) Payment towards License fee and Royalty fee for VHF sets.

7. Remarks :

Continuing scheme – The nomenclature of the scheme has been changed.

Scheme No : 11

Sector : POWER

Implementing
Department : ELECTRICITY

1. Name of the scheme : Establishment of Computer based system monitoring center in Pondicherry.

2. Objectives of the Scheme :

To have control of the 110 KV Sub-Stations for data acquisition and tele-metering and tele-operation.

(Rs. in lakhs)

3. Ninth Plan 1997 – 2002

a. 1997 – 2000 (Actual Expenditure)	:	337.64
b. 2000 – 2001 (Actual Expenditure)	:	73.99
c. 2001 – 2002 (Revised Outlay)	:	32.85

d. Actual Physical Achievement (1997 – 2000):

- (i) Part payment was made to PGCIL for establishment of Computer based system monitoring centre.
- (ii) Advance Payment was made to PGCIL for construction of trench between Villianur 230/110 KV SS PLCC room to the proposed microwave building.
- (iii) Established Communication facilities between 110 KV Eripakkam SS and Bahour 230/110 KV Auto SS.
- (iv) Provided AC facilities in the Computer lab.
- (v) Provided adaptation works at regional interest stations at Bahour and Villianur.

e. Actual Physical Achievement (2000 – 2001):

- (i) Microwave tower at Pondicherry S.C.C and Villianur have been erected.
- (ii) UPS and DC system have also been erected at both sites. RTU and Transducer panel had also been erected at Villianur 230 KV Sub Station , Bahour 230 KV SS, Mahe, Yanam & T.R. Pattinam Sub-Stations.

f. Anticipated Physical Achievement (2001 – 2002):

- (i) Adoption works in all the 110 KV Sub-Stations
- (ii) Providing of fire fighting equipment in the S.C.C building.
- (iii) Replacement of window AC by split type AC unit.
- (iv) Providing of Access Control System at S.C.C building.
- (v) Providing of furniture's for conference hall.
- (vi) Shifting of CC panels from old Control room to new Control room at Thirubuvanai SS.
- (vii) Laying of UG cable for extending 2nd source for Microwave building at Villianur.
- (viii) Providing of venetian blinds for conference room, control room, computer room and communication room.
- (ix) Final payment to M/S. Cryogenic Engineers for construction of plant room.

4. **Proposed outlay for the Tenth Plan 2002– 07** : 930.00 lakhs
Proposed outlay for the Annual Plan 2002–03 : 199.00 lakhs

5. Programme envisaged for the tenth Plan (2002 – 2007):

- (i) Refund of the loan amount to Power Grid invested for establishment of LD & C facilities under unified scheme . Lakhes per month from April
- (ii) Purchase of vehicles
- (iii) Providing Telephone facilities.
- (iv) Creation of the following posts
 - Group A - 7
 - Group B - 1
 - Group C - 28
 - Group D - 4

6. Programme envisaged for the Annual Plan (2002 – 2003):

- (i) Refund the loan amount invested by Power Grid for establishment of LD & C facilities under unified scheme at Pondicherry @ Rs. 15/- lacs. Per month from April 2002 to March 2003.
- (ii) Providing of new vehicle for EE, AEE.
- (iii) Providing for telephone facility for control center and EE/LD & C.
Creation of 40 Nos. of Post required for S.C.C.

1.	Executive Engineer	1	No.
2.	Assistant Executive Engineer	2	Nos.
3.	Junior Engineer Grade-I	2	Nos.
4.	Junior Engineer Grade-II	1	No.
5.	Tester Grade-I	4	Nos.
6.	Helper	3	Nos.

7. **Remarks** : Continuing scheme.

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Research and Development, setting up of standards lab .

2. **Objectives of the Scheme** :

- i) To set up a standards lab to test the quality of the electrical items purchased by the department and also that of consumers to ascertain the quality.
- ii) To modernize the existing MRT lab by providing with scientific instruments, based on the latest technology.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**

a. **1997 – 2000 (Actual Expenditure)** : 114.77

b. **2000 – 2001 (Actual Expenditure)** : 48.20

c. **2001 – 2002 (Revised Outlay)** : 75.50

d. Actual Physical Achievement (1997 – 2000):

- (i) External training imparted to 43 offices and 46 staffs.
- (ii) Internal training imparted to 89 offices and 27 staffs.
- (iii) Celebrated Energy Conversation week.
- (iv) Various scientific equipment's have been purchased for upgradation of MRT,LAB and PROTECTION sub-division as detailed below.

1. Digital Tong tester	2	Nos.
2. DC Ammeter and Voltmeter	1	Nos.
3. CT Burden boxes	2	Nos.
4. Current supply unit	1	Nos.
5. Earth Insulation Tester	1	No.
6. Rheostat	1	No.
7. Digital Multimeter	4	Nos.
8. Standard CT	1	No.
9. Portable watt meter	1	No.
10. Relay test kit	1	No.

e. Actual Physical Achievement (2000 – 2001):

- (i) Imparted External training to
 1. Junior Engineer's = 25 Nos.
 2. Staffs = 40 Nos.
- (ii) Imparted Internal training to

1. Junior Engineer's = 10 Nos.
 2. Staffs = 5 Nos.
- (iii) Celebrated Energy Conversation week.
- (iii) Scientific equipment's procured.
- (iv) BDV test kit procured.

f. Anticipated Physical Achievement (2001 – 2002):

- (i) Imparting of Internal Training to
 - Junior Engineer's = 25 Nos.
 - Staffs = 40 Nos.
- (ii) Imparting of External Training to
 - Junior Engineer's = 10 Nos.
 - Staffs = 5 Nos.
- (iii) Procurement of Scientific instruments.
- (iv) It is proposed to purchase the following equipment's:
 1. Surge arrester tester
 2. Digital Micro OHM meter.
 3. Time interval meter.
 4. Clamp on meter.
 5. Standard current Transformer.
 6. Distance protection relay test Kit.
 7. Test kit to monitor quality index of Transformer oil.
 8. 5 KV step-up transformer.

4. **Proposed outlay for the Tenth Plan 2002–07** : 200.00 lakhs
Proposed outlay for the Annual Plan 2002–03 : 81.50 lakhs

5. Programme envisaged for the tenth Plan (2002 – 2007):

- (i) Modernization of laboratory section with Computer aided facilities.
- (ii) Procurement of vehicle in view of Condemned vehicle.
- (iii) Creation of mobile wing for replacement of Struck-up meters in Pondicherry region.
- (iv) Procurement of scientific instruments for Up-gradation of LTM.
- (v) Phone facility for residence of AE/LTM & Lab.
- (vi) Expansion of CT service to other regions of Pondicherry.
- (vii) Procurement of
 - a) Flash point tester.
 - b) Hi-Pot test kit.
 - c) Circuit Breaker Operational Analyzer.
 - d) Battery ground fault Tracer.
 - e) Battery conditions Tester.
 - f) Partial discharge equipment and other power system testing equipment.
 - g) Software for Power system Protection etc.,

6. Programme envisaged for the Annual Plan (2002 – 2003):

- (i) Procurement of vehicle
- (ii) Procurement of Scientific instruments for up-gradation of LTM.
- (iii) Phone facility for the residence of AE/LTM & Lab.
- (iv) Creation of mobile wing for replacement of Struck-up meters.
- (v) Purchase of flash point tester.
- (vi) Purchase of portable Hi-Pot test kit.
- (vii) Purchase of protection equipment's.

7. **Remarks** : Continuing scheme.

Scheme No : 13

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Formation of Electrical Inspectorate and licensing board of Pondicherry.

2. **Objectives of the Scheme** :

- i) Electrical Inspectorate for inspection of the electrical installation in the Union Territory of Pondicherry.
- ii) Licensing board to issue different grades of supervisory permits and contractor licenses to all qualified persons/firms to enable them to undertake Electrical installation / maintenance work in the Union Territory of Pondicherry.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**

- a. **1997 – 2000 (Actual Expenditure)** : 1.32
- b. **2000 – 2001 (Actual Expenditure)** : 0.01
- c. **2001 – 2002 (Revised Outlay)** : 0.10

d. **Actual Physical Achievement (1997 – 2000):**

Purchased the following T & P items for the Licensing Board.

- | | | |
|----|----------------------------|--------|
| 1. | Full armed Chair | 2 Nos. |
| 2. | Steel Rack Big size | 2 Nos. |
| 3. | Steel Almirah | 1 No. |
| 4. | Desk top Spiral Binder | 1 No. |
| 5. | ID cards cum DOC Laminator | 1 NO. |
| 6. | Steel Almirah (small) | 1 No. |
| 7. | Revolving
Chair | 1 No. |
| 8. | Officer Table | 2 Nos. |

9. Steel Rack with 3 plates 2 Nos.

e. Actual Physical Achievement (2000 – 2001):

Purchased Voltage Stabilizer - 1 No for the equipment's available in the Licensing Board.

f. Anticipated Physical Achievement (2001 – 2002):

- (i) Purchase of 500 VA UPS for the Computer systems available at Licensing Board.
- (ii) Purchase of Computer consumables.

4. **Proposed outlay for the Tenth Plan 2002 – 07** : 10.00 lakhs
Proposed outlay for the Annual Plan 2002 – 03 : 0.20 lakhs

5. Programme envisaged for the tenth Plan (2002 – 2007):

- (i) Purchase/up-gradation of Computer systems.
- (ii) Purchase of Licensed Software.
- (iii) Purchase of Printer for the Licensing Board.
- (iv) Purchase of Computer Stationary.
- (v) Purchase of other Stationary and Consumable items.
- (vi) Establishment of Electrical Inspectorate and Licensing Board other than the above.

6. Programme envisaged for the Annual Plan (2002 – 2003):

Purchase of Printer and computer consumables for Licensing Board.

7. **Remarks** : Continuing scheme.

Scheme No : 14

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Human Resources Development.

2. **Objectives of the Scheme** :

The objective of the scheme is to upgrade the knowledge of the officers / staff in Technical / other important sectors like reforms through various means.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002** : -
4. **Proposed outlay for the Tenth Plan 2002 – 07** : 40.00 lakhs
Proposed outlay for the Annual Plan 2002 – 03 : 8.00 lakhs

5. **Programme envisaged for the Tenth Plan (2002 – 2007) :**

- (i) Imparting Internal Training to
Junior Engineer's = 125 Nos.
Staffs = 200 Nos.
- (ii) Imparting External Training to
Junior Engineer's = 50 Nos.
Staffs = 25 Nos.
- (iii) Providing Telephone facilities.
- (iv) Purchase of Scientific equipments.
- (v) Purchase of Vacuum cleaner, etc.,
- (vi) Celebrating Energy Conservation week.
- (vii) Purchase of vehicles.

6. **Programme envisaged for the Annual Plan (2002 – 2003) :**

- (i) Imparting Internal Training to
Junior Engineer's = 30 Nos.
Staffs = 40 Nos.
- (ii) Imparting External Training to
Junior Engineer's = 10 Nos.
Staffs = 5 Nos.
- (iii) Providing Telephone facility.
- (iv) Purchase of Van & Vacuum cleaner, etc.,
- (v) Celebrating Energy Conservation week.

7. **Remarks** :

The scheme namely, "HUMAN RESOURCES DEVELOPMENT" is only the existing scheme with change in name. During VIII plan a separate scheme was operated for training of officers/staff of the department. During X plan the scheme has been merged with other scheme as a part of reduction in number of schemes. In the present age of reforms, it is felt that Human Resources Development plays an important role in the success of reforms. Hence a separate scheme is being contemplated for training of officers/staff during X plan.

Scheme No : 15

Sector : POWER

Implementing

Department : ELECTRICITY

1. **Name of the scheme** : Rural Electrification PMGY.

2. **Objectives of the Scheme** :

To electrify the Villages and Harijans basis. To strengthen the existing LT distribution system by enhancing the existing transformers capacities and strengthening of the LT lines in Rural areas.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**

a. 1997 – 2000 (Actual Expenditure)	:	-
b. 2000 – 2001 (Actual Expenditure)	:	-
c. 2001 – 2002 (Revised Outlay)	:	53.40
d. Actual Physical Achievement (1997 – 2000)	:	-
e. Actual Physical Achievement (2000 – 01)	:	-
f. Anticipated Physical Achievement (2001 – 02)	:	53.40

To strengthen the existing L.T distribution system by enhancing existing 20 nos.of distribution transformer capacities and strengthening of 10.00 kms.of L.T lines in rural areas.

4. Proposed outlay for the Tenth Plan 2002 – 2007	:	Rs. 250.00 lakhs
Proposed outlay for the Annual Plan 2002 – 2003	:	Rs. 50.00 lakhs

5. **Programme envisaged for the Tenth Plan (2002 – 2007) :**

It is proposed to strengthen the LT distribution system by enhancing the capacity of existing 100 nos.of distribution transformers and strengthening of 50.00 Kms of the LT lines in rural areas.

6. **Programme envisaged for the Annual Plan (2002 – 2003) :**

It is proposed to enhance 20 nos.of distribution transformers and 10.00 Kms of L.T lines in Rural areas.

7. **Remarks** : New scheme.

Scheme No : 16

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Providing Meters for all categories of Consumers under cent percent Metering Programme.

2. **Objectives of the Scheme** :

The objective of the scheme is to provide meters in the distribution system upto 11 KV feeders and for all categories of consumers.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002** : -
4. **Proposed outlay for the Tenth Plan 2002 – 07** : 500.00 lakhs
Proposed outlay for the Annual Plan 2002 – 03 : 75.00 lakhs

5. **Programme envisaged for the Tenth Plan (2002 – 2007) :**

- (i) Providing meters of 0.2 class accuracy for all 230/110 KV feeders and 0.5/1.0 class accuracy meters for all 22/11 KV feeders and all the HT consumers.
- (ii) Providing meters on LT side of the Distribution Transformers.
- (iii) Replacing of old /Stuck-up meters in all the agricultural services.
- (iv) Providing meters for all OHOB services.
- (v) Creation of posts : Group 'A' - 1, Group -B' - 1, Group-'C'-26 & Group-D-3
- (vi) Purchase of Vehicle Van/Jeep - 2 Nos.

6. **Programme envisaged for the Annual Plan (2002 – 2003) : -**

- (i) Providing meters upto 11 KV feeders and distribution transformers
- (ii) Creation necessary technical posts.
- iii. Procurement of Vehicle Van/Jeep - 2 Nos.

7. **Remarks** : New scheme.

Scheme No : 17

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Establishment of Third 230/110 KV Auto Sub-Station with 2 nos. of Auto Transformers at Pondicherry.

2. **Objectives of the Scheme** :

To meet the growing Power demand of the Pondicherry region.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002**
4. **Proposed outlay for the Tenth Plan 2002 – 07** : 2000.00 lakhs
Proposed outlay for the Annual Plan 2002 – 03 : 10.00 lakhs

5. Programme envisaged for the Tenth Plan (2002 – 2007) :

- (i) Feasibility study and land acquisition process for the proposed 230/110 KV Sub-Station.
- (ii) Levelling and filling of the proposed site.
- (iii) Erection of all equipments structures and plinths.
- (iv) Construction of control room building.
- (v) Commissioning of all equipments and 2 numbers of power Transformer.
- (vi) Erection of additional 230/110 KV Auto S.S
- (vii) Procurement and Vehicles 2 Nos.
- (viii) Providing of Telephone facilities.
- (ix) Procurement of Fire fighting equipment, Scientific equipment and T & P items.
- (x) Creation of necessary technical posts.

6. Programme envisaged for the Annual Plan (2002 – 2003) : -

- (i) Feasibility study
- (ii) Acquisition of land for the Proposed auto Sub-Station.

7. Remarks : New scheme.

Scheme No : 18

Sector : POWER

Implementing
Department : ELECTRICITY

1. Name of the scheme : Erection of 230 KV lines from Villianur 230 KV Sub Station to the proposed 230 KV Sub Station

2. Objectives of the Scheme :

For inter-connecting the existing Villianur 230/110 KV S.S with the Proposed III 230/110 KV Sub-Stations to meet the growing Power demand of the Pondicherry Region.

(Rs. in lakhs)

3. Ninth Plan 1997 – 2002

4. Proposed outlay for the Tenth Plan 2002 – 07 : 210.00 lakhs
Proposed outlay for the Annual Plan 2002 – 03 : 2.00 lakhs

5. Programme envisaged for the Tenth Plan (2002 – 2007) :

- (i) Preliminary survey and Feasibility study.
- (ii) Check survey
- (iii) Civil works.
- (iv) Tower erections.
- (v) Line Stringing.

6. **Programme envisaged for the Annual Plan (2002 – 2003) :** -

- (i) Preliminary survey.
- (ii) Feasibility study.

7. **Remarks** : New scheme.

Scheme No : 19

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Establishment of Combined Cycle Gas Power Plant at Karaikal. (T.R.Pattinam)

2. **Objectives of the Scheme** :

To carry out the Generation works in the Union Territory of Pondicherry and to make Share Capital contribution to the Corporation to expand the existing Gas Power Plant at Karaikal by 100 MW.

(Rs. in lakhs)

3. **Ninth Plan 1997 – 2002** :

4. **Proposed outlay for the Tenth Plan 2002 – 2007** : 12000.00
Proposed outlay for the Annual Plan 2002 – 2003 : 100.00

5. **Programme envisaged for the Tenth Plan 2002 – 2007** : -

Making Share Capital Contribution to Pondicherry Power Corporation for the expansion project.

6. **Programme envisaged for the Annual Plan (2002 – 2003) :**

Making Share Capital Contribution to Pondicherry Power Corporation for the expansion project.

7. **Remarks** : New Scheme

Scheme No : 20

Sector : POWER

Implementing
Department : ELECTRICITY

1. **Name of the scheme** : Conversion of H.T over head lines into U.G cable system.

2. Objectives of the Scheme :

Conversion of 22 KV HT over head lines into under ground cable in the sub urban areas along the National Highways and laying additional 11 KV Feeders.

(Rs. in lakhs)

3. Ninth Plan 1997 – 2002

- a. 1997 – 2000 (Actual Expenditure) : 119.40**
- b. 2000 – 2001 (Actual Expenditure) : 64.10**
- c. 2001 – 2002 (Revised Outlay) : 22.00**
- d. Actual Physical Achievement (1997 – 2000):**

- 1. HT Cable energised - 3.568 Kms
- 2. Purchased cable fault locator.

e. Actual Physical Achievement (2000 – 2001):

- 1. HT Cable energised - 2.135 Kms

f. Anticipated Physical Achievement (2001 – 2002):

- 1. Laying of HT Cables - 1.694 Kms.
- 2. Erection of Switch Gear - 2 Nos.

Remarks : Merged with scheme No.4 due to similar Objectives.

Scheme No : 21

Sector : POWER

Implementing
Department : ELECTRICITY

- 1. Name of the scheme :** Extension and Development of Power supply to Industries.
- 2. Objectives of the Scheme :**

To provide adequate Comprehensive infrastructure facilities for the development Industries

To improve the distribution systems so as to ensure reliable Power supply.

(Rs. in lakhs)

3. Ninth Plan 1997 – 2002

- a. 1997 – 2000 (Actual Expenditure) : 552.96**

b. 2000 – 2001 (Actual Expenditure)	:	183.76
c. 2001 – 2002 (Revised Outlay)	:	214.50

d. Actual Physical Achievement (1997 – 2000):

1. Transformer energised		79 Nos.
2. Transformer enhanced		42 Nos.
3. H.T lines energised	21.565	Kms.
4. L.T lines energised	17.42	Kms.
5. H.T lines strengthened	8.088	Kms.
6. L.T lines strengthened	5.125	Kms.
7. H.T Industries		67 Nos.
8. L.T Industries		453 Nos.

e. Actual Physical Achievement (2000 – 2001):

1. Transformer energised		23 Nos.
2. Transformer enhanced		12 Nos.
3. H.T lines energised	13.762	Kms.
4. L.T lines energised	3.223	Kms.
5. H.T lines strengthened	14.491	Kms.
6. L.T lines strengthened	5.812	Kms.
7. H.T Industries		21 Nos.
8. L.T Industries		117 Nos.

f. Anticipated Physical Achievement (2001 – 2002):

1. Transformer energisation		17 Nos.
2. Transformer enhancement		18 Nos.
3. H.T lines	4.00	Kms.
4. L.T lines	5.50	Kms.
5. L.T lines strengthening	2.50	Kms.
6. H.T Industries		15 Nos.
7. L.T Industries		123 Nos.
8. Procurement of		
(i) T & P items		
(ii) VAN/JEEP		1 No.
(iii) Two wheelers		2 Nos.
9. Construction of office building		
10. Providing telephone facilities		
11. Creation of Wireman		
posts (meter Reader)		2 Nos.

4. **Proposed outlay for the Tenth Plan 2002 – 07** : 1000.00
Proposed outlay for the Annual Plan 2002 – 03 : --

5. **Programme envisaged for the Tenth Plan 2002 – 2007:**

1. Transformer energisation	70	Nos.
2. Transformer enhancement	60	Nos.
3. H.T lines	20.00	Kms.
4. L.T lines	15.00	Kms.
5. H.T lines strengthening	3.00	Kms.
6. L.T lines strengthening	10.00	Kms.
7. H.T Industries	50	Nos.
8. L.T Industries	500	Nos.
9. Procurement of T & P items		
10. Purchase of vehicles		
1. Lorry	1	No.
2. JEEP/VAN	4	Nos.
3. Pick up van	2	Nos.
4. Two wheelers	7	Nos.
11. Construction of buildings		
12. Provision of telephone Facilities		

6. **Programme envisaged for the Annual Plan (2002 – 2003):**

7. **Remarks** : Continuing Scheme.