

## POWER

There is no major power Generation in this Union Territory of Pondicherry and the power requirement is being met by availing share of power from the central generating stations and purchasing power from neighbouring state electricity boards. During the Ninth plan a 32.5 MW Combined Cycle Gas Power Plant at Karaikal was established and power thus generated is being utilised for the Karaikal region. The Pondicherry Power Corporation Limited proposes to expand the existing plant by 100 MW during the Tenth plan period.

In order to maintain reliable Power supply in Pondicherry region, it is proposed to establish a 110/22 KV Sub-Station at Thondamatham Village and to establish a 110/11 KV Gas Insulated Sub-Station in Pondicherry town area the above works are entrusted to Power Grid Corporation of India Limited and the work of establishment of 110/22 KV Sub-Station at Korkadu Village has also been awarded to M/S Power Grid Corporation of India Limited (PGCIL) and the work is being commenced. It is also proposed to augment the existing capacity of 110/22 KV Sub-Stations at Sedarapet and Marapalam. And to improve the voltage situation the work of erection of 11KV/22 KV capacitor banks is under progress at various Sub-Stations in Pondicherry region.

Under normal development schemes, it is planned to energise 60 nos. of Distribution transformers of various capacities, to enhance 54 nos. of Distribution transformers of various capacities and to erect 18.00 Kmts. of HT lines and 55.00 Kmts. of LT lines and also to strengthen 4.00 Kmts. of HT lines 26.0 Kmts. of LT lines to connect 8000 nos. of Domestic services, 1200 nos. of commercial services, 35 nos. of Agricultural services, 10 nos. of HT Industrial services, 110 nos. of LT Industrial Services. 725 nos. of OHOB services and 1140 nos. of Street lights. And also it is proposed to energise 5.7 Kmts. of HT cables and 33.000 Kmts. of LT cables to convert 1800 nos. of OH services and to convert 150nos. of OH street light into U.G. cable system. It is proposed to give internal training to 30 nos. of officers and 40 nos. of staff and to give external training to 10 nos. of officers and 5 nos. of staff. It is also proposed to upgrade the existing network in computer systems, procure additional computer system and system software packages. It is also proposed to introduce computerized spot billing system in Mahe and Yanam regions, etc.,

## OUTLAY AT A GLANCE

Sector : POWER

No. of Schemes : 19

Department : ELECTRICITY

(Rs. in lakh)

Tenth Plan 2002-07 Approved Outlay	:	16500.00
Annual Plan 2002-03 Actual Expenditure	:	2497.48
Annual Plan 2003-04 Approved Outlay	:	2700.00
Annual Plan 2003-04 Revised Outlay	:	2700.00
Annual Plan 2004-05 Proposed Outlay	:	3181.00

(Rs. in lakh)

Sl. No.	Name of the Scheme	2002-03	2003-04		2004-05
		Actual Expenditure	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)
1.	Erection of 230/110 KV Sub-station with 2x80 MVA auto transformer at Bahour	99.30	32.40	30.00	30.05
2.	Providing additional primary main sub-station & EHT lines in the UT of Pondicherry.	258.22	253.90	277.67	291.79
3.	Rationalisation and improvement of distribution in urban areas.	137.23	132.50	143.22	153.15
4.	Conversion of HT overhead lines into UG cable system.	83.41	78.85	108.48	103.31
5.	System improvement for reduction of transmission and distribution losses	230.72	196.50	248.73	238.28
6.	Extension and development of power supply to industries	223.71	178.45	150.53	275.20

(1)	(2)	(3)	(4)	(5)	(6)
7.	Extension and development of power supply to Domestic, Commercial and Agricultural Services.	163.80	133.60	133.52	132.00
8.	Extension and development of power supply to EWS and street lights.	151.80	135.50	158.34	159.98
9.	Upgradation of existing primary Main SS and providing new primary main SS and EHT lines in the UT of Pondicherry.	758.96	965.40	969.21	915.00
10.	Modernisation of billing methods & development and e-governance initiatives	33.24	61.50	33.38	43.46
11.	Providing communication network for the Electricity Department	4.46	5.90	5.45	5.47
12.	Establishment of computer based system monitoring centre at Pondicherry.	200.65	316.60	262.01	608.51
13.	Research and development - setting up of standard laboratory.	70.14	93.20	66.16	100.60
14.	Formation of Electrical inspectorate and licensing board for Pondicherry.	0.19	0.20	0.10	0.10
15.	Rural Electrification (PMGY)	53.40	53.40	53.40	53.40
16.	Human Resources and Development	3.37	10.00	9.80	10.50
17.	Providing meters for all consumers under cent percent metering programme.	24.88	50.00	50.00	60.00

(1)	(2)	(3)	(4)	(5)	(6)
18.	Establishment of third 230 KV Sub-station at Pondicherry.	0.00	2.00	0.00	0.10
19.	Erection of 230 KV lines from Villianur 230 KV sub-station to the Approved 230 KV sub-station.	0.00	0.10	0.00	0.10
<b>Total</b>		<b>2497.48</b>	<b>2700.00</b>	<b>2700.00</b>	<b>3181.00</b>

## Scheme No. 1

Sector : POWER

Implementing Department : ELECTRICITY

1. **Name of the Scheme** : Erection of 230/110 KV sub-station with 2 x 80 MVA Auto Transformer at Bahour.
2. **Objective of the Scheme** :  
To meet the growing power demand of the Pondicherry region.
- 3.(a) **Actual physical Achievement 2002-03** :  
Maintenance of 230/110 KV sub-station.
- (b) **Anticipated Physical Achievement 2003-04** :  
Maintenance of 230/110 KV sub-station.
- (c) **Programme envisaged for Annual Plan 2004-05** :  
Maintenance of 230/110 KV sub-station & Balance payment to be deposited to Tamil Nadu Electricity Board
4. **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. **Objective of the Scheme** :  
To stabilise the supply condition, to meet the growth of load, to locate EHT sub-stations at load centres and to reduce transmission line losses.
- 3.(a) **Actual physical Achievement 2002-03** :  
Commissioning of the second Power Transformer along with associated equipments at Thethampakkam 110/22 KV Sub-Station.
- (b) **Anticipated Physical Achievement 2003-04** :
  - i) Payment to Power Grid towards shifting of 110 KV Villianur – Sederapet/ Kalapet Tower line.
  - ii) Erection of 22 KV and 11 KV feeders and related line strengthening works.

**(c) Programme envisaged for Annual Plan 2004-05 :**

Maintenance of primary main sub-station and EHT lines in the Union Territory of Pondicherry.

**4. Remarks :** Continuing Scheme.

**Scheme No. 3**

Sector : POWER

Implementing Department : ELECTRICITY

**1. Name of the Scheme :** Rationalisation and Improvement of distribution in urban areas

**2. Objective of the Scheme :**

To meet the rapidly growing demand for Power in and around Pondicherry, Karaikal and Yanam with stabilised system parameter and reduced line losses by providing underground cable distribution system and convert existing overhead lines into under ground cable system in selected urban areas.

**3.(a) Actual physical Achievement 2002-03 :**

i.	LT cable laid	-	17.288	kms.
ii.	Conversion of OH service into UG cable system	-	709	Nos.
iii.	Conversion of OH Street lights into UG cable system	-	100	Nos.

**(b) Anticipated Physical Achievement 2003-04 :**

i.	Laying of LT cables	-	29	Kms.
ii.	Conversion of OH service into UG cable system	-	1800	Nos.
iii.	Conversion of OH Street lights into UG cable system	-	100	Nos.
iv.	Erection of Pillar Box	-	16	Nos.

**(c) Programme envisaged for Annual Plan 2004-05 :**

i.	Laying of LT cables	-	33	kms.
ii.	Erection of pillar box	-	20	Nos.
iii.	Conversion of OH service into UG cable system	-	1800	Nos.
iv.	Conversion of OH Street lights into UG cable system	-	150	Nos.

**4. Remarks :** Continuing Scheme

## Scheme No. 4

Sector : POWER

Implementing Department : ELECTRICITY

1. **Name of the Scheme** : Conversion of HT overhead lines into Underground cable system
2. **Objective of the Scheme** :

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

### 3.(a) Actual physical Achievement 2002-03 :

i.	Erection of new transformer	-	1	No.
ii.	HT cable laid	-	7	Nos.
iii.	Enhancement of Transformer	-	1.678	Kms.
iv.	HT cable laid	-	4	Nos.

### (b) Anticipated Physical Achievement 2003-04 :

i.	Erection of additional transformers	-	4	Nos.
ii.	Enhancement of transformer	-	5	Nos.
iii.	Laying of HT cables	-	3.0	kms.
iv.	Erection of switch gear	-	14	Nos.

### (c) Programme envisaged for Annual Plan 2004-05 :

i.	Erection of additional transformers	-	6	Nos.
ii.	Enhancement of transformer	-	4	Nos.
iii.	Laying of HT cables	-	5.7	kms.
iv.	Erection of switch gear	-	10	Nos.

4. **Remarks** : Continuing Scheme

## Scheme No. 5

Sector : POWER

Implementing Department : ELECTRICITY

1. **Name of the Scheme** : System improvement for reduction of transmission and distribution losses.
2. **Objective 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 bring down 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.

**3.(a) Actual physical Achievement 2002-03 :**

i.	Transformers energized	-	30	Nos.
ii.	Transformers enhanced	-	33	Nos.
iii.	HT line laid	-	7.192	kms.
iv.	LT line laid	-	10.001	kms.
v.	HT line strengthened	-	5.705	kms.
vi.	LT line strengthened	-	15.899	kms.
vii.	LT capacitors (10/20 KVAR)	-	29	Nos.

**(b) Anticipated Physical Achievement 2003 - 04 :**

i.	Transformers energisation	-	28	Nos.
ii.	Transformer enhancement	-	31	Nos.
iii.	HT lines energisation	-	11.250	kms.
iv.	LT lines energisation	-	7.750	kms.
v.	HT lines strengthening	-	5.000	kms.
vi.	LT lines strengthening	-	15.750	Kms.
vii.	LT capacitors (10 / 20 KVAR)	-	50	Nos.
viii.	Procurement of vehicles			
	a. Jeep/Van / Mini lorry (for Karaikal)	-	1	No.
	b. Two wheelers	-	4	Nos.
ix.	Procurement of T&P items			
x.	Providing telephone facilities			

**(c) Programme envisaged for Annual Plan 2004-05 :**

i.	Transformers energisation	-	28	Nos.
ii.	Transformer enhancement	-	25	Nos.
iii.	HT lines energisation	-	12.000	kms.
iv.	LT lines energisation	-	9.000	kms.
v.	HT lines strengthening	-	4.000	kms.
vi.	LT lines strengthening	-	15.000	Kms.
vii.	LT capacitors (10 / 20 KVAR)	-	50	Nos.
viii.	Procurement of two wheelers	-	4	Nos.
ix.	Procurement of T&P items			
x.	Providing telephone facilities to O/o the AE / Town –II.			

**4. Remarks :** Continuing Scheme

Creation of functional and ministerial posts

**Scheme No. 6**

Sector : POWER

Implementing Department : ELECTRICITY

**1. Name of the Scheme :** Extension and development of power supply to Industries.

**2. Objective of the Scheme :**

To provide adequate and comprehensive infra structure facilities for the Industries development. To improve the distribution system so as to ensure reliable power supply.



**3.(a) Actual physical Achievement 2002-03 :**

i.	Transformers energized	-	31	Nos.
ii.	Transformers enhanced	-	13	Nos.
iii.	HT line laid	-	7.945	kms.
iv.	LT line laid	-	9.770	kms.
v.	HT line strengthened	-	5.390	kms.
vi.	LT line strengthened	-	6.155	kms.
vii.	HT Industrial service	-	30	Nos.
viii.	LT Industrial service	-	176	Nos.
ix.	LTUG Cable Laid	-	0.410	Kms.

**(b) Anticipated Physical Achievement 2003 - 04 :**

i.	Transformers energisation	-	24	Nos.
ii.	Transformer enhancement	-	14	Nos.
iii.	HT lines	-	4.25	kms.
iv.	LT lines	-	6.25	kms.
v.	LT lines strengthening	-	2.25	Kms.
vi.	HT Industries	-	15	Nos.
vii.	LT Industries	-	120	Nos.
viii.	Procurement of T&P items			
ix.	Procurement of vehicles	-	2	Nos.
x.	Construction of office buildings at Boomianpet, Sedarapet and Bahour and construction of additional Staff quarters at Main office, Pondicherry.			
xi.	Providing telephone facilities.			

**(c) Programme envisaged for Annual Plan 2004-05 :**

i.	Transformers energisation	-	28	Nos.
ii.	Transformer enhancement	-	14	Nos.
iii.	HT lines	-	4.00	kms.
iv.	LT lines	-	6.00	kms.
v.	LT lines strengthening	-	3.00	kms.
vi.	HT Industries	-	10	Nos.
vii.	LT Industries	-	110	Nos.
viii.	Procurement of two wheelers	-	2	Nos.
ix.	Procurement of T&P items			
x.	Construction of office buildings at Boomianpet, Sedarapet and Bahour and construction of additional Staff quarters at Main office, Pondicherry.			
xi.	Providing telephone facilities			

**4. Remarks :** Continuing Scheme

Creation of functional posts

**Scheme No. 7**

Sector : POWER

Implementing Department : ELECTRICITY

1. **Name of the Scheme** : Extension and development of power supply to Domestic, Commercial and Agricultural Services.

2. **Objective of the Scheme** :

To make use of ground water potential for agricultural purposes. To provide better living conditions to the house / colonies and strengthen the existing distribution system for more stable conditions

**3.(a) Actual physical Achievement 2002-03 :**

i.	Transformers energised	-	6	Nos.
ii.	Transformers enhanced	-	5	Nos.
iii.	HT line laid	-	1.135	kms.
iv.	LT line laid	-	34.657	kms.
v.	LT line strengthened	-	7.605	kms.
vi.	Domestic services	-	7947	Nos.
vii.	Commercial services	-	1206	Nos.
viii.	Agricultural services	-	56	Nos.
ix.	L.T. U.G. Cable	-	0.314	Kms.
x.	H.T. U.G. Cable	-	0.110	Kms

**(b) Anticipated Physical Achievement 2003-04 :**

i.	Transformer energisation	-	8	Nos.
ii.	Transformer enhancement	-	5	Nos.
iii.	HT lines	-	2.000	kms.
iv.	LT lines	-	28.000	kms.
v.	LT lines strengthening	-	7.000	kms.
vi.	Domestic services	-	8000	Nos.
vii.	Commercial services	-	1200	Nos.
viii.	Agricultural services	-	34	Nos.
ix.	Procurement of two wheelers	-	2	Nos.
x.	Procurement of four wheeler (Jeep)	-	1	No.
xi.	Procurement of T&P items			
xii.	Provision of telephone facilities			

**(c) Programme envisaged for Annual Plan 2004-05 :**

i.	Transformer energisation	-	6	Nos.
ii.	Transformer enhancement	-	4	Nos.
iii.	HT lines	-	2.00	kms.
iv.	LT lines	-	25.00	kms.
v.	LT lines strengthening	-	6.00	kms.
vi.	Domestic services	-	8000	Nos.
vii.	Commercial services	-	1200	Nos.
viii.	Agricultural services	-	35	Nos.

ix.	Procurement of two wheeler	-	3	Nos.
x.	Procurement of four wheeler	-	1	No.
xi.	Procurement of T&P items			
xii.	Provision of telephone facilities			

**4. Remarks :** Continuing Scheme

Creation of functional posts

### Scheme No. 8

Sector : POWER

Implementing Department : ELECTRICITY

**1. Name of the Scheme :** Extension and development of power supply to EWS and street lights.

**2. Objective of the Scheme :**

To provide additional street lights to ensure better living conditions of the public. To compare the living conditions of hut dwellers both in urban and rural areas by extending Electricity facility at free of cost. To extend Electricity at free of cost to the houses constructed under Chief Minister's 5000 houses programme and by the Directorate of Welfare of Adi Dravidar castes.

#### 3.(a) Actual physical Achievement 2002-03 :

i.	Transformers energised	-	1	Nos.
ii.	HT line laid	-	0.000	kms.
iii.	LT line laid	-	28.550	kms.
iv.	LT line strengthened	-	3.180	kms.
v.	One Hut One Bulb			
	OC	-	597	Nos.
	SC	-	290	Nos.
vi.	Street lights			
	OC	-	1195	Nos.
	SC	-	254	Nos.
vii.	Conversion of Street lights	-	520	Nos.

#### (b) Anticipated Physical Achievement 2003-04 :

i.	LT lines energisation	-	18.00	kms.
ii.	One Hut One Bulb services			
	OC	-	470	Nos.
	SC	-	255	Nos.
	(Total = 725 Nos.)			
iii.	Street lights			
	OC	-	900	Nos.
	SC	-	240	Nos.
	(Total = 1140 Nos.)			

iv.	Conversion of Street lights	-	75	Nos.
v.	Procurement of vehicles - Two Wheeler	-	1	Nos.
vi.	Procurement of T&P items			
vii.	Providing telephone facilities			
viii.	Construction of building			

**(c) Programme envisaged for Annual Plan 2004-05 :**

i.	LT lines energisation	-	15.00	kms.
ii.	One Hut One Bulb services			
	OC	-	470	Nos.
	SC	-	255	Nos.
	(Total = 725 Nos.)			
iii.	Street lights			
	OC	-	900	Nos.
	SC	-	240	Nos.
	(Total = 1140 Nos.)			
iv.	Conversion of Street lights	-	100	Nos.
v.	Transformer enhancement	-	1	No
vi.	Procurement of vehicles - Two wheeler	-	2	Nos.
vii.	Procurement of T&P items			
viii.	Providing telephone facilities			
ix.	Construction of building			

**4. Remarks :** Continuing Scheme

Creation of functional posts

**Scheme No. 9**

Sector : POWER

Implementing Department : ELECTRICITY

**1. Name of the Scheme :** Upgradation of the existing primary main sub-station and providing new primary main sub-station and EHT lines in the Union Territory of Pondicherry.

**2. Objective of the Scheme :**

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

**3.(a) Actual physical Achievement 2002-03 :**

- i) Payment made to the PGCIL towards augmentation of Sorakudy Sub Stations.
- ii) Part payment made to the PGCIL towards establishment of a 110/22 KV sub station at Korkadu village.
- iii) Part payment made to the PGCIL towards erection of a new 110 KV line between Thirubuvani and Thethampakkam 110/22 Kv sub Station.

- iv) One no. of 16 MVA(III Unit), 110/22 KV Power Transformer along with associated equipments have been commissioned at Bahour 110/22 KV Sub-station.
- v) Part Payment made to M/S.Shanti Enterprises towards the work of shifting of 10 MVA power transformer from Marapalam Sub Station to Villianur 110/22 KV Sub Station and allied works.
- vi) Part payment made to M/S.BSES for the work of system study for provision of new 11/22 KV capacitor Banks at various EHV sub stations.
- vii) Payment made to M/S Sundaram Fasteners towards outright purchase of land at Korkadu Village for the establishment of 110/22 KV Sub Station.
- viii) Payment made to TNEB towards purchase of power transformer for augmentation of Sorakudy 110/11 KV Sub Station by erecting additional 16 MVA, 110/33-11 KV power transformers along with associated switch gears.
- ix) Payment made to M/S. Vijay Electricals, Vijayawada for the supply of 9 nos. of 33 KV current transformers for the rectification work of defective circuit breaker Kiosks at Marapalam 22 KV system.
- x) 3 Nos. of 110 KV CVT's have been commissioned at Thirubuvanai 110/22 KV Sub Station.

**(b) Anticipated Physical Achievement 2003-04 :**

- i) Payment made to Power Grid towards erection of a new 110 KV line between Thirubuvanai Sub-Station and Thethampakkam Sub-Station along with bay extension work.
- ii) Erection of capacitor banks in various 110/22 KV Sub-Stations.
- iii) Payment towards augmentation of Marapalam Sub-Station.
- iv) Payment to Power Grid towards establishment of a 110-22 KV Sub-Station at Korkadu village.
- v) Establishment of Thondamanatham 110-22 KV Sub-Station with associated 110 KV Lines.
- vi) Augmentation of Villianur 110/22 KV Sub-Station .
- vii) Erection of 110 KV line from Kurumbapet to Sederapet 110/22 KV Sub-Stations .
- viii) Erection of 110 KV line from Sederapet to Kalapet 110/22 KV Sub-Stations
- ix) Providing of Fire Hydrant Protection in various 110 KV Sub-Stations.
- x) Erection of 22 KV and 11 KV feeders and related line strengthening works.
- xi) Commissioning of an additional 16 MVA Power Transformer along with associated 110 KV bay and 11 KV bays at Sorakudi 110/11 KV Sub-station, Karaikal.
- xii) Commissioning of Pillaiteruvasal 110/11 KV Sub-station, Karaikal along with associated 110 KV lines.
- xiii) Procurement of vehicles for (i) Pillaiteruvasal 110-11 KV Sub-Station and (ii) Assistant Engineer/EHV Sub-division.

**(c) Programme envisaged for Annual Plan 2004-05 :**

- i) Payment made to Power Grid towards erection of a new 110 KV line between Thirubuvanai Sub-Station and Thethampakkam Sub-Station along with bay extension work.
- ii) Erection of capacitor banks in various 110/22 KV Sub-Stations.
- iii) Payment towards augmentation of Marapalam Sub-Station.
- iv) Payment to Power Grid towards establishment of a 110-22 KV Sub-Station at Korkadu village.
- v) Establishment of Thondamanatham 110-22 KV Sub-Station with associated 110 KV Lines.
- vi) Augmentation of Villianur 110/22 KV Sub-Station .

- vii) Erection of 110 KV line from Kurumbapet to Sederapet 110/22 KV Sub-Stations .
- viii) Erection of 110 KV line from Sederapet to Kalapet 110/22 KV Sub-Stations
- ix) Providing of Fire Hydrant Protection in various 110 KV Sub-Stations.
- x) Erection of 22 KV and 11 KV feeders and related line strengthening works.
- xi) Procurement of vehicles for (i) Pillaittheruvasal 110-11 KV Sub-Station and (ii) Assistant Engineer/EHV Sub-division.
- xii) Preliminary works towards establishment of Gas Insulated Sub-Station at Pondicherry.

**4. Remarks :** Continuing Scheme

Creation of functional and ministerial posts

### Scheme No. 10

Sector : POWER

Implementing Department : ELECTRICITY

**1. Name of the Scheme :** Modernisation of billing methods & development and e-governance initiatives.

**2. Objective of the Scheme :**

To modernise issue of bills for current consumption charges, payments and other commercial and technical activities by introducing computers.

**3.(a) Actual physical Achievement 2002-03 :**

- i) Replacement of existing. Computer systems into new ones.
- ii) Up gradation of existing Network and Computer systems.
- iii) Procurement of data processing forms and consumables
- iv) Computerisation of sub-urban collection centers at Mettupalayam
- v) Computerisation of rural flat-rate billing and sub-urban of Pondicherry
- vi) Finalisation of Annual maintenance contract for computer systems and UPS units.

**(b) Anticipated Physical Achievement 2003 - 04 :**

- i) Upgradation of existing Network and Computer systems
- ii) Procurement of additional computer systems like diskless workstations, personal computers with floppy drive, Printers and Uninterrupted Power supply units
- iii) Procurement of system software packages
- iv) Procurement of furniture, fixtures, machinery and equipment and other tools and plants
- v) Procurement of data processing forms and consumables
- vi) Introduction of Spot billing system in Lawspet ,Gorimedu O&M
- vii) Computerisation of sub-urban collection centres
- viii) Computerisation of HT/LT metering accounting
- ix) Computerisation of Rolling Stock Transformers accounting
- x) Finalisation of Annual maintenance contract for computer systems and UPS units
- xi) Provision of communication facilities for inter connection of regions and offices through computers.

**(c) Programme envisaged for Annual Plan 2004-05 :**

- i) Upgradation of existing Network and Computer systems
- ii) Procurement of additional computer systems like diskless workstations, personal computers with floppy drive, Printers and Uninterrupted Power supply units
- iii) Procurement of system software packages
- iv) Procurement of furniture, fixtures, machinery and equipment and other tools and plants
- v) Procurement of data processing forms and consumables
- vi) Introduction of Spot billing system in Sedurapet, Villianur and Karaikal region.
- vii) Computerisation of sub-urban collection centres
- viii) Computerisation of HT/LT metering accounting
- ix) Computerisation of Rolling Stock Transformers accounting
- x) Finalisation of Annual maintenance contract for computer systems and UPS units
- xi) Provision of communication facilities for inter connection of regions and offices through computers
- xii) Introduction of E-Governance as per Government of India guidelines

**4. Remarks :** Continuing Scheme.

Creation of functional posts

**Scheme No. 11**

Sector : POWER

Implementing Department : ELECTRICITY

**1. Name of the Scheme :** Providing communication network for Electricity Department.

**2. Objective of the Scheme :**

To establish effective communication network among various sub-stations and O&M sections for minimising power interruption period.

**3.(a) Actual physical Achievement 2002-03 :**

- i. Fixed VHF sets (25 Watts) - 10 Nos.
- ii. Battery - 10 Nos.
- iii. Spares purchased
- iv. Payment made for royalty fee

**(b) Anticipated Physical Achievement 2003-04 :**

- i. Purchase of hand held sets - 10 Nos.
- ii. Purchase of hand held High band sets - 10 Nos.
- iii. Purchase of maintenance free 12V batteries - 10 Nos.
- iv. Erection of Repeater Station
- v. Erection of fixed station of High band
- vi. Repairing of VHF Sets

**(c) Programme envisaged for Annual Plan 2004-05 :**

- i. Purchase of hand held VHF mobile sets - 10 Nos.
- ii. Purchase of maintenance free batteries - 10 Nos.
- iii. Payment of Royalty and License fee for additional 9+5 standby VHF stations. - 10 Nos.
- iv. Payment of fee for Royalty and License renewal for another two years from 1.1.2005 to 31.12.2006.
- v. Anticipated repairing charges of defective VHF sets

**4. Remarks :** Continuing Scheme

**Scheme No. 12**

Sector : POWER

Implementing Department : ELECTRICITY

- 1. Name of the Scheme :** Establishment of Computer based system monitoring centre at Pondicherry.
- 2. Objective of the Scheme :**

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

**3.(a) Actual physical Achievement 2002-03 :** --

**(b) Anticipated Physical Achievement 2003-04 :**

- i. Refund of loan amount/ULDC charges to Power Grid Corporation of India Limited.
- ii. Annual Maintenance Contract for AC units installed in the SCC building.
- iii. Reimbursement of Insurance Premium to Power Grid Corporation of India Limited.
- iv. Provision of chequer plates for trench opening at Villianur M/W location.
- v. Procurement of vehicle.
- vi. Providing Telephone Facilities.

**(c) Programme envisaged for Annual Plan 2004-05 :**

- i. Payment of monthly ULDC charges to Power Grid corporation of India Limited.
- ii. Payment of 30% outstanding balance amount of ULDC charges subject to the order of CERC.
- iii. Payment of Development surcharge for ULDC charges.
- iv. Reimbursement of Insurance premium to M/s Power Grid corporation of India Limited for the ULDC equipments of Pondicherry.
- v. Annual Maintenance Contract for AC units installed in SCC building.
- vi. Procurement of vehicle.

**4. Remarks :** Continuing Scheme.



## Scheme No. 13

Sector : POWER

Implementing Department : ELECTRICITY

1. **Name of the Scheme** : Research and Development - setting up of standard laboratory.
2. **Objective of the Scheme** :

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. To modernize the existing Meter and Relay Testing lab by providing with scientific instruments, based on the latest technology.

### 3.(a) Actual physical Achievement 2002-03 :

- i. To procure a portable Static Calibrating source to the existing Standard meter (Static) SM 3050
- ii. To enhance the Rolling Stock of Static Trivector meters in proposition to the increasing number of HT services
- iii. Procurement of vehicle
- iv. Procurement of scientific instruments:
  1. Distance protection relay test kit
  2. Battery ground fault tracer
  3. Surge arrester tester
  4. Laptop computer
  5. Three phase time interval meter
  6. 5 KV step up transformer
- v. Procurement of scientific instruments for testing and calibration of Electro mechanical type energy meters and static type energy meters
- vi. Enhancement of Rolling stock Electro mechanical and static type Energy meters
- vii. Procurement of single phase test benches
- viii. Procurement of semi-automatic test bench with personal computer

### (b) Anticipated Physical Achievement 2003-04 :

- i) Calibration of the Trivector meters at all the EHT/HT services
- ii) Enhancing the Rolling Stock of static Trivector meters
- iii) Upgrading the MRT lab with latest static calibrating source
- iv) Procurement of vehicle : Tempo Traveller - 1 No
- v) Procurement of Circuit breaker operational analyser
- vi) Procurement of scientific instruments for testing and calibration of electro mechanical type energy meters and static type energy meters
- vii) Enhancement of Rolling stock electro mechanical and static type Energy meters
- viii) Procurement of single phase test bench
- ix) Procurement of semi-automatic test bench with personal computer
- x) Procurement of one Photocopier (Xerox) machine

**(c) Programme envisaged for Annual Plan 2004-05 :**

- i) Calibration of the Trivector meters at all the EHT/HT services
- ii) Enhancing the Rolling Stock of static Trivector meters
- iii) Upgrading the MRT lab with latest static calibrating source
- iv) Procurement of vehicle
  - 1. Tempo Traveller - 1 No
  - 2. Toyato Qualis - 1 No
- v) Procurement of Circuit breaker operational analyser
- vi) Procurement of scientific instruments for testing and calibration of static type energy meters
- vii) Creation / Enhancement of Rolling stock static type Energy meters
- viii) Procurement of single phase / three phase test bench

**4. Remarks :** Continuing Scheme.

Creation of functional and ministerial posts

**Scheme No. 14**

Sector : POWER

Implementing Department : ELECTRICITY

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

**2. Objective of the Scheme :**

Electrical Inspectorate for inspection of the electrical installation in the Union Territory of Pondicherry. 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.

**3.(a) Actual physical Achievement 2002-03 :**

Procured stationery items for Licensing Board.

**(b) Anticipated Physical Achievement 2003 - 04 :**

Procurement of stationery and computer consumables for Licensing Board.

**(c) Programme envisaged for Annual Plan 2004-05 :**

Procurement of stationery and computer consumables for Licensing Board.

**4. Remarks :** Continuing Scheme.

Creation of ministerial post

**Scheme No. 15**

Sector : POWER

Implementing Department : ELECTRICITY

1. **Name of the Scheme** : Rural Electrification (PMGY)

2. **Objective of the Scheme** :

To electrify the villages and harijan bastis. To strengthen the existing LT distribution system by enhancing the existing transformers capacities and strengthening of the LT lines in rural areas.

3.(a) **Actual physical Achievement 2002-03 :**

Enhancement of Distribution Transformers - 6 Nos.

(b) **Anticipated Physical Achievement 2003-04 :**

i. Enhancement of Distribution Transformers - 10 Nos.  
ii. Strengthening of LT lines - 2 Kms.

(c) **Programme envisaged for Annual Plan 2004-05 :**

i. Enhancement of Distribution Transformers - 10 Nos.  
ii. Strengthening of LT lines - 2 Kms.

4. **Remarks** : Continuing Scheme.

**Scheme No. 16**

Sector : POWER

Implementing Department : ELECTRICITY

1. **Name of the Scheme** : Human Resources and Development.

2. **Objective 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.

3.(a) **Actual physical Achievement 2002-03 :**

i. Internal training of Engineers - 30 Nos.  
ii. Internal training of Line staff - 43 Nos.  
iii. External training of Engineers - 6 Nos.  
iv. External training of Line staff - 9 Nos.  
v. Celebrated Energy Conservation Week during December 2002

**(b) Anticipated Physical Achievement 2003-04 :**

i.	Internal Training of officers	-	15
ii.	Internal training of staffs	-	56
iii.	External training of officers	-	15
iv.	Internal workshop training for Engineers by ABB	-	50
v.	Seminar on Electricity Act/Bill for Engineers	-	150
vi.	Celebration of Energy conservation week		

**(c) Programme envisaged for Annual Plan 2004-05 :**

i.	Internal training of Engineers	-	30 Nos.
ii.	Internal training of Line staff	-	40 Nos.
iii.	External training of Engineers	-	10 Nos.
iv.	External training of Line staff	-	5 Nos.
v.	Purchase of Lap-Top		
vi.	Setting up of Technical Library at TTC.		
vii.	Setting up of Video library at Computer Room		
viii.	Displaying materials.		
ix.	Provision of Air Conditioner in the Demonstration Room.		
x.	Celebration of Energy Conservation Week		

**4. Remarks :** Continuing scheme

**Scheme No. 17**

Sector : POWER

Implementing Department : ELECTRICITY

**1. Name of the Scheme :** Providing meters for all consumers under cent percent metering programme.

**2. Objective 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.

**3.(a) Actual physical Achievement 2002-03 :**

Provided meters in the distribution system down to 11 KV feeders from 230 KV feeders.

**(b) Anticipated Physical Achievement 2003-04 :**

- i. Providing meters in all the feeders emanating from all the sub-stations in the Territory from 230 KV up to 11KV
- ii. Conversion of Electro-mechanical meters into Static type meters and provision of electronic type meters for distribution transformers and Provision of meters for Agricultural Services.

**(c) Programme envisaged for Annual Plan 2004-05 :**

- i. Provision of meters for Agricultural Services.
- ii. Provision of Electronic meters for distribution transformers.

**4. Remarks :** Continuing Scheme.

Creation of functional posts

Junior Engineer	- 1 No.
Tester	- 2 Nos.
Helper	- 4 Nos.

**Scheme No. 18**

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. Objective of the Scheme :**

To meet the growing Power demand of Pondicherry region.

**3.(a) Actual physical Achievement 2002-03 :** --

**(b) Anticipated Physical Achievement 2003 - 04 :** --

**(c) Programme envisaged for Annual Plan 2004-05 :**

- i. Identification of site for the proposed sub-station.
- ii. Acquisition of land for the proposed third 230/110 KV sub-station.

**4. Remarks :** Continuing Scheme.

**Scheme No. 19**

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. Objective of the Scheme :**

For inter-connecting the existing Villianur 230/110 KV Sub-station with the proposed Third 230/110 KV Sub-station to meet the growing Power demand of Pondicherry region.

- 3.(a) Actual physical Achievement 2002-03 : --**
- (b) Anticipated Physical Achievement 2003-04 : --**
- (c) Programme envisaged for Annual Plan 2004-05 :**
- i. Feasibility study for erection of 230 KV line from Villianur Auto Sub-station to the proposed 230 KV Auto Sub-station.
  - ii. Preliminary Survey
- 4. Remarks : Continuing Scheme.**