

## **POWER**

There is no major power Generation in this Union Territory of Pondicherry. However the Pondicherry Power Corporation has established a 32.5 MW Combined Cycle Gas Power Plant at Karaikal and power thus generated is being utilized by Karaikal region only. The Pondicherry Power Corporation Limited has also proposed to expand the plant by 100 MW.

During 2005-06, it is proposed to establish 110/22 KV Sub-Station at Thondamatham and a gas insulated sub-station in Pondicherry town area. The work of setting up a 110/22 KV Sub-Station at Korkadu Village has been awarded to M/S Power Grid Corporation of India Limited (PGCIL) and is programmed to be commissioned by the end of March 2005. It is also proposed to augment the existing capacity of 110/22 KV Sub-Stations at Sedarapet and Marapalam. To further improve the voltage situation, the work of erection of 11KV/22 KV capacitor banks is under progress at various sub-stations in Pondicherry region. In order to stabilise the HT distribution network in Yanam region, it has been proposed to energise a 33/11KV Sub-Station at Yanam.

During 2005- 2006: Under normal development schemes:

It is proposed to commission 62 numbers of new distribution transformers of various capacities and enhance the capacity of 54 numbers of existing distribution transformers. To erect 18.00 Kms of new HT lines and 55.00 Kms of new LT lines and also strengthen 4.00 Kms of existing HT lines and 26.0 Kms of existing LT lines. With the completion of the above, it is proposed to connect 8000 numbers of domestic services, 1200 numbers of commercial services, 35 numbers of agricultural services, 10 numbers of HT Industrial services, 110 numbers of LT Industrial Services and 725 numbers of OHOB services. 1140 numbers of new Street lights are also proposed to be energized during this period. It is also proposed to lay and energize 5.7 Kms of new HT cables and 33.000 Kms of new LT cables to convert 1800 numbers of OH services and 150 numbers of OH Street light into U.G. cable system. It is also proposed to introduce computerized spot billing system in all the regions of Union Territory of Pondicherry.

## 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 2003-04 Actual Expenditure	:	2665.07
Annual Plan 2004-05 Approved Outlay	:	2800.00
Annual Plan 2004-05 Revised Outlay	:	3001.10
Annual Plan 2005-06 Proposed Outlay	:	3660.80

(Rs. in lakh)

Sl. No.	Name of the Scheme	2003-04	2004-05		2005-06
		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	29.97	34.05	33.00	34.00
2.	Providing additional primary main sub-station & EHT lines in the UT of Pondicherry.	269.56	285.79	278.00	286.00
3.	Rationalisation and improvement of distribution in urban areas.	143.18	156.15	157.00	163.00
4.	Conversion of HT overhead lines into UG cable system.	133.40	116.31	208.00	217.00
5.	System improvement for reduction of transmission and distribution losses	256.53	247.28	298.00	298.00
6.	Extension and development of power supply to industries	162.48	161.40	206.00	159.00

(1)	(2)	(3)	(4)	(5)	(6)
7.	Extension and development of power supply to Domestic, Commercial and Agricultural Services.	127.27	134.00	179.00	179.00
8.	Extension and development of power supply to EWS and street lights.	163.90	178.98	196.00	200.00
9.	Upgradation of existing primary Main SS and providing new primary main SS and EHT lines in the UT of Pondicherry.	926.69	915.00	961.00	1135.00
10.	Modernisation of billing methods & development and e-governance initiatives	47.73	43.46	44.00	44.00
11.	Providing communication network for the Electricity Department	5.45	5.47	5.60	5.60
12.	Establishment of computer based system monitoring centre at Pondicherry.	261.26	327.31	261.00	768.00
13.	Research and development - setting up of standard laboratory.	39.49	70.60	68.00	59.00
14.	Formation of Electrical inspectorate and licensing board for Pondicherry.	0.19	0.10	0.10	0.10
15.	Rural Electrification (PMGY)	53.40	53.40	53.40	53.40
16.	Human Resources and Development	5.07	10.50	11.00	16.90

(1)	(2)	(3)	(4)	(5)	(6)
17.	Providing meters for all consumers under cent percent metering programme.	44.60	60.00	42.00	42.00
18.	Establishment of third 230 KV Sub-station at Pondicherry.	--	0.10	0.00	0.10
19.	Erection of 230 KV lines from Villianur 230 KV sub-station to the Approved 230 KV sub-station.	--	0.10	--	0.10
<b>Total</b>		<b>2665.07</b>	<b>2800.00</b>	<b>3001.10</b>	<b>3660.80</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 2003-04** :  
Maintenance of 230/110 KV sub-station
- (b) **Anticipated Physical Achievement 2004-05** :  
Maintenance of 230/110 KV sub-station
- (c) **Programme envisaged for Annual Plan 2005-06** :  
Balance payment to be deposited to Tamil Nadu Electricity Board towards establishment of Bahour 230/110 KV Sub-Station.
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 2003-04** :  
Maintenance of EHT lines
- (b) **Anticipated Physical Achievement 2004-05** :
  - 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.
  - iii. Procurement of vehicle

(c) Programme envisaged for Annual Plan 2005-06 : Nil

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 stabilized 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 2003-04 :

i. Laying of LT cables	-	30.411	Kms.
ii. Conversion of OH service into UG cable system	-	1368	Nos.
iii. Conversion of OH Street lights into UG cable system	-	58	Nos.

#### (b) Anticipated Physical Achievement 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.

#### (c) Programme envisaged for Annual Plan 2005-06 :

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 2003-04 :

i.	Erection of new transformers	-	5 Nos.
ii.	Enhancement of transformer	-	5 Nos.
iii.	Laying of HT cables	-	3.104 kms.

### (b) Anticipated Physical Achievement 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.

### (c) Programme envisaged for Annual Plan 2005-06 :

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.
v.	Procurement of vehicles		
vi.	Creation of posts.		

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 2003-04 :**

i.	Transformers energized	-	32	Nos.
ii.	Transformer enhanced	-	28	Nos.
iii.	HT lines laid	-	11.361	kms.
iv.	LT lines laid	-	7.195	kms.
v.	HT lines strengthened	-	2.745	kms.
vi.	LT lines strengthened	-	22.839	Kms.
vii.	LT capacitors (10 / 20 KVAR)	-	0/6	Nos
viii.	LT U.G. cable laid		2.223	Kms.

**(b) Anticipated Physical Achievement 2004-05 :**

i.	Transformers to be erected	28	Nos.
ii.	Transformers to be enhanced	25	Nos.
iii.	HT Lines to be energized	12.000	Kms.
iv.	LT Lines to be energized	9.000	Kms.
v.	HT Lines to be strengthened	4.000	Kms.
vi.	LT Lines to be strengthened	15.000	Kms.
vii.	LT Capacitors to be erected (10/20 KVAR)	20/30	Nos.
viii.	Procurement of Vehicles - Mahindra Max, Mini Lorry, 2 Nos Tempo Trax and 4 Nos Two Wheelers		
ix.	Procurement of T&P Items		
x.	Providing telephone facilities		
xi.	Creation of Posts:		

**(c) Programme envisaged for Annual Plan 2005-06 :**

i.	Transformers to be energized	28	Nos
ii.	Transformers to be enhanced	25	Nos
iii.	HT Lines to be erected	12.000	Kms
iv.	LT Lines to be erected	9.000	Kms
v.	HT Lines to be strengthened	4.000	Kms
vi.	LT Lines to be strengthened	15.000	Kms
vii.	LT Capacitor to be erected (10/20 KVAR)	25/25	Nos
viii.	Procurement of T&P items		
ix.	Providing telephone facilities.		

**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 2003-04 :**

i.	Transformer energized	-	34 Nos
ii.	Transformer enhanced	-	13 Nos
iii.	HT Line laid	-	7.301 Kms
iv.	LT Line laid	-	3.878 Kms
v.	LT Line Strengthened	-	3.620 Kms
vi.	HT Industries energized	-	23 Nos
vii.	LT Industries energized	-	176 Nos
viii.	LT UG Cable laid	-	0.068 Kms

**(b) Anticipated Physical Achievement 2004-05 :**

i.	Transformers to be energized	28	Nos
ii.	Transformers to be enhanced	14	Nos
iii.	HT Lines to be laid	4.00	Kms
iv.	LT Lines to be laid	6.00	Kms
v.	LT Lines to be strengthened	3.00	Kms
vi.	HT Industries energized	10	Nos
vii.	LT Industries energized	110	Nos
viii.	Procurement of Vehicles (Two Wheelers)	2	Nos
ix.	Procurement of T&P items		
x.	Construction of office building at Boomianpet, Sedurapet and Bahour and Construction of additional staff quarters at Main office, Pondicherry.		
xi.	Providing telephone facilities		

**(c) Programme envisaged for Annual Plan 2005-06 :**

i.	Transformers to be energized	28	Nos
ii.	Transformers to be enhanced	14	Nos
iii.	HT Lines to be erected	4.00	Kms
iv.	LT Lines to be erected	6.00	Kms
v.	LT Lines to be strengthened	3.00	Kms
vi.	HT Industries	10	Nos
vii.	LT Industries	110	Nos
viii.	Procurement of vehicle		
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 2003-04 :**

i.	Transformers energized	9	Nos
ii.	Transformers enhanced	6	Nos
iii.	HT Line laid	2.042	Kms
iv.	LT Line laid	47.692	Kms
v.	LT Line Strengthened	3.495	Kms
vi.	Domestic Services effected	9128	Nos
vii.	Commercial Services effected	1456	Nos
viii.	Agriculture Services effected	67	Nos

**(b) Anticipated Physical Achievement 2004-05 :**

i.	Transformer to be energized	6	Nos
ii.	Transformer to be enhanced	4	Nos
iii.	HT Lines to be laid	2.000	Kms
iv.	LT Lines to be laid	25.000	Kms
v.	LT Lines to be strengthened	6.000	Kms
vi.	Domestic Services to be effected	8000	Nos
vii.	Commercial Services to be effected	1200	Nos
viii.	Agricultural Services to be effected	35	Nos
ix.	Procurement of vehicles (3 Numbers of Two wheelers and 2 Numbers of Tempo Trax)		
x.	Procurement of T&P items		
xi.	Provision of telephone facilities		

**(c) Programme envisaged for Annual Plan 2005-06 :**

i.	Transformer to be energized	6	Nos
ii.	Transformer to be enhanced	4	Nos
iii.	HT Lines to be laid	2.00	Kms
iv.	LT Lines to be laid	25.00	Kms
v.	LT Lines to be strengthened	6.00	Kms
vi.	Domestic services to be effected	8000	Nos
vii.	Commercial services to be effected	1200	Nos
viii.	Agricultural services to be effected	35	Nos
ix.	Procurement of T&P items		
x.	Procurement of vehicle		
xi.	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-draavidar castes.

**3.(a) Actual physical Achievement 2003-04 :**

i.	LT Line laid		45.001	Kms
ii.	LT Line strengthened		3.900	Kms
iii.	One Hut One Bulb	OC	605	Nos
		SC	369	Nos
		Total	974	Nos
iv.	Street lights	OC	1474	Nos
		SC	259	Nos
		Total	1733	Nos
v.	Conversion of Street lights		253	

**(b) Anticipated Physical Achievement 2004-05 :**

i.	Transformer Enhanced		1	No.
ii.	LT Lines to be energized		15.000	Kms
iii.	One Hut One Bulb Services	OC	470	Nos
		SC	255	Nos
		Total	725	Nos
iv.	Street lights energized	OC	900	Nos
		SC	240	Nos
		Total	1140	Nos
v.	Conversion of Street lights		100	Nos.
vi.	Procurement of vehicles (Two wheelers)		2	Nos.
vii.	Procurement of T&P items			
viii.	Providing telephone facilities			
ix.	Construction of building			

**(c) Programme envisaged for Annual Plan 2005-06 :**

i.	LT Lines to be energized		15.00	Kms
ii.	OHOB Services to be effected	OC	470	Nos
		SC	255	Nos
		Total	725	Nos
iii.	Street lights to be energized	OC	900	Nos
		SC	240	Nos
		Total	1140	Nos
iv.	Conversion of streetlights		100	Nos
v.	Procurement of vehicle			
vi.	Procurement of T&P items			
vii.	Providing telephone facilities			
viii.	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 2003-04 :**

- i. Part Payment made to PGCIL for the erection of 110 KV line from Thirubuvanai EHV Sub-Station to Thethambakkam EHV Sub-Station along with bay execution work.
- ii. Payment made to PGCIL for the augmentation of Sedarapet EHV Sub-Station, by erecting 2 Nos of 110KV bays.
- iii. Payment made to PGCIL for the augmentation of Kurumbapet EHV Sub-Station by erecting 2 Nos of 110KV bays.
- iv. Payment made to PGCIL for the augmentation of Kalapet EHV Sub-Station by erecting 1 No. of 110KV bay.
- v. 50% payment made to PGCIL for the erection of 110KV line from Kurumbapet EHV Sub-Station to Sedarapet EHV Sub-Station.
- vi. 50% payment made to PGCIL for the augmentation of Marapalam EHV Sub-Station.
- vii. Part payment made to PGCIL for the erection of 110 KV line from Sedarapet EHV Sub-Station to Kalapet EHV Sub-Station.
- viii. Part payment made to M/s. BSES, Chennai for the erection of shunt capacitors at various EHV Sub-Stations.
- ix. Payment made for the acquisition of additional land for Korkadu EHV Sub-Station from Hindu Religious Institution.
- x. Payment made to Govt. pleader against land acquisition pertaining to Mahe and Sorakudy EHV Sub-Stations.
- xi. Payment made to the firms for the supply of outdoor end termination jointing kits for 22KV cables and density monitor cables for 145 KV SF6 circuit breakers.
- xii. One No. of 110/11KV, 16 MVA, power transformer along with associated equipments and 110KV lines erected at Pillitheruvasal EHV Sub-Station at Karaikal was commissioned during March 2004.
- xiii. 3 Numbers of newly erected VCBs for the existing 22KV capacitor banks at Marapalam EHV Sub-Station were commissioned.

**(b) Anticipated Physical Achievement 2004-05 :**

- i. The Second 110/11KV, 16MVA, power transformer has been energised at Pillaiteruvasal EHV Sub-Station.
- ii. Erection of 110KV line from Kurumbapet to Sedarapet EHV Sub-Stations.
- iii. Erection of 110KV line between Bahour Auto Sub-Station and Bahour 110KV Sub-station.
- iv. Shifting of 10MVA power transformer from Marapalam to Villianur Sub-Station and allied works.
- v. Erection of HT capacitors at Thethambakkam and Villianur EHV Sub-Stations.
- vi. Supply of 22 and 11 KV, XLPE cable end termination jointing kits and RCC troughs.
- vii. Renovation works at Kurumbapet EHV Sub-Station.
- viii. Payment made to Hindu Religious Institution for the acquisition of additional land measuring 0-07-00 Hectares for the proposed Korkadu EHV Sub-Station.
- ix. Establishment of 110/22KV Korkadu Sub-Station along with 22KV lines and programmed to be commissioned by the end of March 2005.
- x. Augmentation of Marapalam 110/22KV Sub-Station and allied works.
- xi. Extension of bay at 132/11KV Sub-Station at Mettacur, for establishment of 33/11KV Sub-Station at Yanam.
- xii. HT capacitor banks were energised at Sorakudy, Eripakkam, Thethambakkam, Thirubuvanai, Marapalam, Villianur and Mahe EHV Sub-Stations for an aggregated capacity of 26.40 MVAR.

- xiii. Erection of 22KV and 11KV feeders and related line strengthening works.
- xiv. Procurement of vehicles (Mahindra Max – 1, Tempo Traveller – 1 and Tempo Trax – 1)

**(c) Programme envisaged for Annual Plan 2005-06 :**

- i. Erection of 110KV line from Thirubuvanai to Thetambakkam EHV Sub-Stations.
- ii. Erection of 110KV line from Kurumbapet to Sedrapet EHV Sub-Stations.
- iii. Erection of HT Capacitor banks at various EHV Sub-Stations.
- iv. Renovation works at Kurumbapet EHV Sub-Station.
- v. Replacement of existing SF6, VCB and OMCB circuit breakers at various EHV Sub-Stations at Pondicherry region.
- vi. Establishment of 110/22KV EHV Sub-Station at Thondamanatham.
- vii. Establishment of Gas Insulated Sub-Station at Pondicherry.
- viii. Establishment of 110/22KV Sub-Station at Korkadu along with 22KV lines.
- ix. Augmentation of Marapalam 110/22KV Sub-Station and allied works.
- x. Establishment of 33/11KV Sub-Station at Yanam.
- xi. Construction of new control room for Villianur 110/22KV Sub-Station in-lieu of the existing dilapidated control room.
- xii. Erection of 22 and 11KV feeders and related line strengthening works.

**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 2003-04 :**

- i. Upgrading 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 furniture, fixtures, machinery and equipment and other tools and plants.
- iv. Procurement of data processing forms and consumables.
- v. Introduction of Spot billing system in Lawspet, Gorimedu O&M.
- vi. Finalization of Annual maintenance contract for computer systems and UPS units.
- vii. Provision of communication facilities for Inter-Connection of regions and offices through computers.

**(b) Anticipated Physical Achievement 2004-05 :**

- i. Upgrading 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. Computerization of sub-urban collection centres.
- viii. Computerization of HT/LT metering accounting.
- ix. Computerization of Rolling Stock Transformers accounting.
- x. Finalization 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.
- xiii. Provision of ISDN & Leased line connection for interconnection of Sub-Divisional Offices of Division-I, IV & IX with the main Computer Centre.
- xiv. Development of Internet Web pages for the department.
- xv. Imparting training on "Office Automation" to the Officers and Staffs of the Department.
- xvi. Procurement of tubular batteries for UPS units.
- xvii. Introduction of Computerised spot billing in all the regions of Union Territory of Pondicherry.

**(c) Programme envisaged for Annual Plan 2005-06 :**

- i. Upgrading 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. Computerization of sub-urban collection centres.
- viii. Computerization of HT/LT metering accounting.
- ix. Computerization of Rolling Stock Transformers accounting.
- x. Finalization 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.
- xiii. Provision of ISDN & Leased line connection for interconnection of Sub-Divisional Offices of Division-I, IV & IX with the main Computer Centre.
- xiv. Development of Internet Web pages for the department.
- xv. Imparting training on "Office Automation" to the Officers and Staffs of the Department.
- xvi. Procurement of tubular batteries for UPS units.

- xvii. Introduction of Computerised spot billing in all the regions of Union Territory of Pondicherry.

**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 minimizing power interruption period.

**3.(a) Actual physical Achievement 2003-04 :**

i.	Motorola Hand set	-	10 Nos
ii.	Repeater stations	-	1 Nos
iii.	Maintenance free batteries	-	23 Nos
iv.	Vacuum cleaner	-	1 Nos
v.	Digital multimeter	-	2 Nos
vi.	Spares for VHF sets and batteries		
vii.	Payment made for service charges		

**(b) Anticipated Physical Achievement 2004-05 :**

i.	Purchase of hand held sets	-	10 Nos
ii.	Maintenance free batteries	-	16 Nos
iii.	Low loss cable	-	2 Nos
iv.	GPA	-	5 Nos
v.	Spare Battery pack	-	7 Nos
vi.	Single unit battery charger	-	5 Nos
vii.	Payment of Royalty and License renewal fees		
viii.	Payment for repairing charges		

**(c) Programme envisaged for Annual Plan 2005-06 :**

i.	Repeater stations	-	2 Nos
ii.	VHF hand sets	-	15 Nos.
iii.	Maintenance Free batteries	-	15 Nos.
iv.	Payment for repairing charges		

**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 2003-04** : --

(b) **Anticipated Physical Achievement 2004-05** :

- i. Payment of bill charges to PGCIL at Rs.20.50 lakhs per month.
- ii. Payment of Insurance Charges for ULDC equipments.
- iii. Payment of AMC charges for A/C units.
- iv. Procurement of one Mahindra Max vehicle

(c) **Programme envisaged for Annual Plan 2005-06** :

- i. Payment of monthly ULDC charges to Power Grid Corporation of India Limited, at Rs.32.00 lakhs per month for 12 months.
- ii. Payment of 30% outstanding bill amount from July 2002 to March 2004 at Rs.11.00 lakhs per month.
- iii. Payment of AMC charges for AC units and Insurance charges.
- iv. Providing of Telephone facilities.
- v. 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 2003-04 :**

- i. Calibration of the Trivector Meters in all the EHT/HT services
- ii. Enhancing the rolling stock Static Trivector Meters.
- iii. Procurement of scientific instruments for testing and calibration of electro mechanical type energy meters and static type energy meters.
- iv. Enhancement of rolling stock electro mechanical and static type energy meters.
- v. Static trivector meters were provided in 105 nos of LT industrial services and 60 nos of HT services.

**(b) Anticipated Physical Achievement 2004-05 :**

- i. Purchase of tamper proof seals, Insulation Sleeves, Red Tape insulation etc.+
- ii. Purchase of CMRI
- iii. Testing of scientific instruments at GES lab at Chennai.
- iv. Calibration of the Trivector meters at all the EHT/HT services.
- v. Enhancing the Rolling Stock of static Trivector meters.
- vi. Upgrading the MRT lab with latest static calibrating source.
- vii. Procurement of scientific instruments for testing and calibration of electro mechanical type energy meters and static type energy meters.
- viii. Enhancement of rolling stock electro mechanical and static type energy meters.
- ix. Procurement of single phase test bench.
- x. Procurement of semi-automatic test bench with personal computer.
- xi. Procurement of one photo copier (Xerox) machine.
- xii. Provision of remote access facility for downloading data from the meters installed in Sub-Stations meters.
- xiii. Procurement of vehicles (Tempo traveler - 1 No., Mahindra Max – 2 Nos. and Tempo Trax – 1 No

**(c) Programme envisaged for Annual Plan 2005-06 :**

- 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 Circuit breaker operational analyzer.
- v. Procurement of scientific instruments for testing and calibration of static type energy meters.
- vi. Creation / Enhancement of Rolling stock static type Energy meters.
- vii. Procurement of single phase / three phase test bench.
- viii. Provision of remote access facility for downloading data from the meters installed in Sub-Stations meters.

**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 2003-04 :**

Procured Stationery items for Licensing Board.

(b) **Anticipated Physical Achievement 2004-05 :**

Procurement of stationary and computer consumables for Licensing Board. Creation of post of Lower Division Clerk.

(c) **Programme envisaged for Annual Plan 2005-06 :**

Procurement of stationary and computer consumables for Licensing Board.

4. **Remarks** : Continuing Scheme.

**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 2003-04 :**

i.	Transformers enhanced	-	10 Nos
ii.	Transformer energised	-	3 Nos
iii.	HT lines laid	-	0.371 Kms

- |     |                  |   |           |
|-----|------------------|---|-----------|
| iv. | LT lines laid    | - | 0.780 Kms |
| v.  | LT UG cable laid | - | 0.576 Kms |

**(b) Anticipated Physical Achievement 2004-05 :**

- |     |  |   |           |
|-----|--|---|-----------|
| i.  | Enhancement of distribution transformers | - | 10 Nos.   |
| ii. | Strengthening of LT lines                | - | 2.00 Kms. |

**(c) Programme envisaged for Annual Plan 2005-06 :**

- |     |  |   |           |
|-----|--|---|-----------|
| i.  | Enhancement of distribution transformers | - | 10 Nos.   |
| ii. | Strengthening of LT lines                | - | 2.00 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 2003-04 :**

- |      |  |   |          |
|------|--|---|----------|
| i.   | Celebrated Energy Conservation Week during December 2003 |   |          |
| ii.  | Internal training of Engineers                           | - | 225 Nos. |
| iii. | Internal training of Line Staff                          | - | 56 Nos.  |
| iv.  | Internal training of Engineers                           | - | 14 Nos.  |

**(b) Anticipated Physical Achievement 2004-05 :**

- |      |   |   |        |
|------|---|---|--------|
| i.   | Celebration of Energy conservation week |   |        |
| ii.  | Internal Training of Officers           | - | 60 Nos |
| iii. | Internal Training of staffs             | - | 58 Nos |
| iv.  | External Training of Officers           | - | 6 Nos  |
| v.   | External Training for staffs            | - | 8 Nos  |
| vi.  | Purchase of LCD projector               | - | 1 No   |

**(c) Programme envisaged for Annual Plan 2005-06 :**

- |      |  |   |        |
|------|--|---|--------|
| i.   | Celebration of Energy Conservation week. |   |        |
| ii.  | Internal training of Engineers.          | - | 30 Nos |
| iii. | Internal training of Line Staff.         | - | 40 Nos |
| iv.  | External training of Engineers.          | - | 10 Nos |
| v.   | External training of Line Staff.         | - | 5 Nos  |
| vi.  | Purchase of books for technical Library. |   |        |

- vii. Setting up of Video Library at TTC.
- viii. Displaying materials.
- ix. Provision of Air-Conditioner in the Demonstration room.
- x. Purchase of computer peripherals.
- xi. Purchase of Laptop.

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 2003-04** :

- i. Higher accuracy trivector meters in 105 LT industrial services and 60 HT services.
- ii. Providing meters in all the feeders emanating from all the EHV Sub-Stations from 230 KV upto 11 KV level.

(b) **Anticipated Physical Achievement 2004-05** :

- i. Provision of electronic type meters for distribution transformers.
- ii. Provision of electronic meters in street lights.
- iii. Conversion of electro mechanical meters to electro static meters in all the HT services and LT industrial services whose connected load is more than 30 HP
- iv. Purchase of 3 nos of higher accuracy check meters for providing for EHV meters.
- v. Provision of insulation sleeves in all the HT services.

(c) **Programme envisaged for Annual Plan 2005-06** :

- i. Provision of electronic type meters for distribution transformers.
- ii. Provision of electronic meters in street lights.
- iii. Conversion of electro mechanical meters to electro static meters in all the HT services and LT industrial services whose connected load is more than 30 HP
- iv. Purchase of 3 nos of higher accuracy check meters for providing for EHV meters.
- v. Provision of insulation sleeves in all the HT services.
- vi. Creation of necessary functional posts.

4. **Remarks** : Continuing Scheme.

## Scheme No. 18

Sector : POWER

Implementing Department : ELECTRICITY

1. **Name of the Scheme** : Establishment of third 230 KV Sub-station at Pondicherry.
2. **Objective of the Scheme** :  
To meet the growing Power demand of Pondicherry region.
- 3.(a) **Actual physical Achievement 2003-04** : --
- (b) **Anticipated Physical Achievement 2004-05** : --
- (c) **Programme envisaged for Annual Plan 2005-06** :
  - 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 2003-04** : --
- (b) **Anticipated Physical Achievement 2004-05** : --
- (c) **Programme envisaged for Annual Plan 2005-06** :
  - 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.