

POWER

Power Position

The Union Territory of Puducherry consists of four regions, geographically located in three different States. There is no major power generation in the Union Territory of Puducherry. The requirement of power for the Puducherry region is met from the allocation of power from the Central Generating Stations and partly from the TANGEDCO. The power requirement of Karaikal region is met from the Puducherry Power Corporation Limited and from the TANGEDCO. While the requirement of power in Yanam region is met from central generating stations, the power requirement of Mahe region is fulfilled by availing power from Kerala State Electricity Board. The total power allocation from CGS is 355 MW, the power availed from TANGEDCO is 76 MW. 32 MW of power is availed from PPCL and around 5 MW of power is availed from Kerala State Electricity Board.

The power position at present is comfortable to meet the requirement of the UT of Puducherry. Further, the increasing power demand of the UT of Puducherry would be met if the already confirmed allocation of power to tune of 67 MW from on-going Kudankulam Atomic Power Station power projects is made

Power Infrastructure

Power to Puducherry region is fed through three numbers of 230/ 110 KV auto Sub-Stations with total installed capacity of 560 MVA. Ten 110/22-11 KV Sub-Stations with a total installed capacity of 403 MVA are connected to the above auto Sub-stations.

Power to Karaikal region is fed through two numbers of the 110/11 KV Sub-Stations with installed capacity of 80 MVA owned by EDP and one number of the 110/ 11 KV Sub-Station owned by PPCL with installed capacity of 30 MVA owned by Puducherry Power Corporation Limited.

In Mahe region, there is one 110/11 KV Sub-station of capacity 20 MVA and in Yanam region, there is one 132/33-11 KV Sub-station of capacity 36 MVA and one 33/11 KV Sub-station of capacity 10 MVA.

Achievement for the Annual Plan 2013-2014:

An amount of Rs 4765.36 lakhs has been incurred for the development schemes of this department out of which an amount of ₹ 538.45 lakhs has been incurred for SCSP works. The following are the major physical achievement made in Transmission schemes:

i) R & M works at 110/22 KV Villianur Sub Station.**110KV side:**

- Out of 14 nos of tower foundations, works completed for 11 nos of towers and part of Cable trench works completed.
- 110KV Equipment foundations: Out of 96 nos. 49 nos have been completed.
- All major supply items were received at site.
- Control room civil works including finishing works were completed.

(ii) Strengthening of 110 KV Villianur – Bahour line.**110KV tower foundations:**

- Out of 49 nos. of towers, 40 nos of tower foundations were completed .

Tower Erection:

- Out of 49 nos. of towers, erection works completed for 27 nos. of towers .
- Stringing works of 110 KV EHT line completed for 6.8Kms between Korkadu-Bahour section and energised on 23.01.2014.
- The second phase of stringing of 110KV line between Villianur and Korkadu Section are undertaken for execution.

(iii) Establishment of 110/11 KV Vengata Nagar Sub Station.**Civil Works:**

- Final Stage Civil works completed.
- All pre-commissioning tests were completed.

Laying of 110KV EHT Cable:

- Necessary clearance for execution of Railway crossing works were obtained from DEE/ Trichy.
- Necessary action initiated for obtaining the Safety Certificate from Railway Authorities.
- In- principle approval was accorded by the Single Window Committee, PWD for the road cutting permission for laying the cable.
- PTCC clearance applied. Route Approval was accorded by DET(PTCC).
- 24.165Kms of 110KV Cable, 7 Kms of Optic Fibre Cable, Straight through joints, Trefoil clamps were received at site.
- Cable laying of Section 1,2,3,5,8,9,10,11 & 12 (4.705 Kms) completed.
- Cable jointing works under taken.

(iv) Establishment of 110/22 KV Sub Station at Lawspet, Puducherry

- Part of land bearing RS No.217/6 having an extent of 00-37-00 HAC had been purchased.
- Land Acquisition process to acquire 00-28-78HAC land through Deputy Collector Revenue (North) cum Land Acquisition Officer , Puducherry was initiated.

Under Sub-transmission schemes, the following achievements have been made:

- 36 numbers of new distribution transformers of various capacities were commissioned and 17 numbers of existing distribution transforms were enhanced into higher capacities.
- 10.237 Kms of new HT lines and 23.150 Kms of new LT lines were energized, while 0.635 Kms of existing HT lines and 15.393 Kms of existing LT lines were strengthened.
- With the erection of new lines and strengthening of existing lines, 17 numbers of new HT Industrial services and 111 numbers of new LT industrial services were energized.
- In addition, 13,946 numbers of new domestic services, 1832 numbers of new commercial services, 48 numbers of new Agricultural services, 47 numbers of new OHOB services were effected.
- 86 numbers of Street Lights were also commissioned during this year.
- Apart from the above, 2.419 Kms of HT UG cables and 4.449 Kms of LT UG cables were laid to convert 21 numbers of OH services and 21 numbers of OH Street lights into UG cable system. Further 2 Nos of 11 KV distribution transformers were erected, under UG cable system ****
- To carry on the computerization activity, computer consumables were also procured.
- Under Human resources development scheme, 60 staffs were given internal training and 35 nos of Officers and 25 nos of Staff were given External Training .

Transmission achievements for 2014-15:

An outlay of ₹ 4460.00 Lakhs is proposed for development schemes during RE 2014-15, out of which ₹ 585.00 lakhs was proposed for SCP. Under the transmission scheme, the following works have been programmed:

Erection and Establishment of new 110/11 KV Vengata Nagar Sub Station.

Work completed and the new Substation was commissioned on 27.06.2014 with the following equipments.

(a) 110/ 11KV Vengata Nagar SS:

Power Transformer capacity : 2 x 31.5MVA, 110/ 11KV with 10 nos of 11KV Feeder Bays and 2 nos. of 2.4 MVAR 11KV Capacitor banks.

(b) 110KV Marapalam- Vengata Nagar UG Cable Feeder :

Route length-6.556 Kms , size- 4x 630Sqmm XLPE insulated Copper Cable (one as stand by).

Establishment of new 230 / 110 KV Auto Sub Station at Karaikal.

Agreement has been signed with M/s. Power Grid Corporation of India Ltd on 19.8.2014. 10% of estimated cost i.e. ₹ 3.03 Crores has been paid for preliminary commencement of works.

Establishment of 110 / 22 KV Sub Station in the premises of 230/ 110KV Auto Substation at Thondamanatham:

Agreement has been signed with M/s. Power Grid Corporation of India Ltd on 02.06.2014. 10% of estimated cost has been paid for preliminary commencement of works.

Strengthening of 110KV Villianur-Bahour line:

The first phase work for 6.75 Kms between Bahour and Korkadu 110/ 22KV Substation has been completed and energised. The second phase work is going on in full swing and 90% of works completed and will be energised shortly.

Renovation and Modernisation of 110 / 22KV Villianur Sub station:

80% of works completed and will become operational at the earliest.

Under Sub-transmission schemes, during the year 2014-2015 the following have been achieved upto January 2015 against the target for 2014-2015(Actual/Target)

- To energize 57/71 numbers of new distribution transformers of various capacities and to enhance 24/49 numbers of existing distribution transformers to higher capacities.
- To erect and commission 6.304/28.00 Kms of new HT lines and 30.218/36.50 Kms of new LT lines and to strengthen 0.5 / 6.50 Kms of existing HT lines and 17.722/30.75 Kms of existing LT lines.
- To energize 12/20 numbers of new HT industrial services and 60/120 numbers of new LT industrial services.
- To effect 9930 /9000 numbers of new domestic services, 1130/1200 numbers of new commercial Services, 31/20 numbers of new agricultural services and 2/10 numbers of new OHOB services.
- It is also proposed to energize 291/10 numbers of new Street Lights.

- In addition, it is also proposed to lay 0.74/3.200 Kms of new HT cables and 6.496/19.000 Kms of new LT cables to convert 105/700 numbers of OH services and 33/85 numbers of OH street lights into UG cable system. Further it is anticipated to erect 5 Nos of 11 KV distribution transformers and to enhance 5 Nos of distribution transformers into higher capacities under UG cable system.
- It is proposed to impart external training to 14/ 23 Nos of Officers and also internal training were given to 75 nos of Officers and proposed to impart internal training to 65 /90 Nos of staff.

Proposed physical targets for 2015-16:

An outlay of ₹ 9595.00 lakhs has been proposed for the development schemes of this department. Out of which an amount of ₹ 100.00 lakhs is proposed for SCSP schemes. The following major transmission works planned during 2015-16:-

- Strengthening of Marapalam- Villianur 110KV Feeder I & II.
- Strengthening of 2nd circuit of 110KV Bahour- Eripakkam feeder.
- Bay arrangements at Bahour Auto SS and Eripakkam SS.
- 110 / 11KV Vengata Nagar SS (Balance Payment).
- R&M works at Villianur 110/22KV SS.
- Strengthening of 110KV Villianur –Bahour line.
- Extension of 2nd circuit of 110KV Villianur- Bahour feeder from 230/ 110KV Bahour Auto SS with bay equipment arrangement.
- Establishment of 110/ 11KV Lawspet Sub Station.(Land Acquisition).
- 110KV UG cable laying from Vengata Nagar SS to proposed 110/ 22 KV Lawspet SS and from Lawspet SS to 110 / 22KV Kurumbapet SS.*****

Under normal development schemes the following programmes are proposed during 2015-2016

- It is proposed to commission 65 numbers of new distribution transformers of various capacities and enhance the capacity of 35 numbers of existing distribution transformers.
- To erect 10.000 Kms of new HT lines and 30.000 Kms of new LT lines and also strengthen 3.000 Kms of existing HT lines and 25.000 Kms of existing LT lines.
- With the completion of the above, it is proposed to connect 9000 numbers of domestic services, 1200 numbers of commercial services, 20 numbers of agricultural services, 20 numbers of HT Industrial services, 100 numbers of LT Industrial Services and 5 numbers of OHOB services.
- 5 numbers of new Street lights were also proposed to be energized during this period.

- It is also proposed to lay and energize 2.200 Kms of new HT cables and 15.987 Kms of new LT cables to convert 700 numbers of OH services and 75 numbers of OH Street light into U.G. cable system.
- It is proposed to give internal training to 75 officers and 65 staffs and to give external training to 10 officers and 10 staffs respectively.****
- It is also proposed to upgrade the existing computer systems network, procure additional computer systems and system software packages. It is also proposed to introduce computerized spot billing system in all the regions of Union Territory of Puducherry.

OUTLAY AT A GLANCE

Sector : POWER

No. of Schemes : 11

Department : ELECTRICITY

(₹ in lakh)

Annual Plan 2013-14 Actual Expenditure	:	8692.96
Annual Plan 2014-15 Approved Outlay	:	6648.00
Annual Plan 2014-15 Revised Outlay	:	5356.25
Annual Plan 2015-16 Approved Outlay	:	9440.00

(₹ in lakh)

Sl. No.	Name of the Scheme	Annual Plan 2013-14	Annual Plan 2014-15		Annual Plan 2015-16	
		Actual Expdr.	Approved Outlay	Revised Outlay	Approved Outlay	Of which Capital Content
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Erection / upgradation of 230KV and 110 KV Primary Main Sub-stations and providing EHT lines in the UT of Puducherry	1772.63	1797.75	1865.72	2988.18	1766.03
2	Conversion of HT over head lines into UG cables, Modernisation and Augmentation of existing 11 KV RMS system and Rationalisation and Improvement of distribution in urban areas.	363.07	411.96	346.96	596.78	400.00
3	Providing meters for all consumers under 100% metering programme.	54.92	312.01	60.82	625.54	617.00
4	System improvement for reduction of transmission and distribution losses.	601.47	592.89	536.62	1326.70	1170.00

(₹ in lakh)

Sl. No.	Name of the Scheme	Annual Plan 2013-14	Annual Plan 2014-15		Annual Plan 2015-16	
		Actual Expdr.	Approved Outlay	Revised Outlay	Approved Outlay	Of which Capital Content
(1)	(2)	(3)	(4)	(5)	(6)	(7)
5	Extension and Development of power supply to all categories of consumers and Street Lights.	979.47	1111.14	1093.36	1465.24	514.00
6	Modernisation of billing methods and development and e-Governance initiatives and improvement of communication methods	61.42	67.00	62.05	542.00	530.00
7	Establishment of computer based system monitoring centre at Pondicherry	794.06	403.80	337.46	535.00	448.00
8	Research and development setting up of standards laboratory.	136.48	153.35	147.15	231.56	75.00
9	Formation of electrical inspectorate and licensing board/ Regulatory Commission Liaison Cell, for Pondicherry.	0.02	0.10	0.10	1.00	1.00
10	Rural electrification	59.42	66.00	56.01	120.00	120.00
11	Human resources development	4.00	4.00	4.00	8.00	8.00
	Negotiated Loan	3866.00	1728.00	846.00	1000.00	1000.00
Total		8692.96	6648.00	5356.25	9440.00	6649.03

Scheme No. 1

Sector : POWER

Implementing Department : ELECTRICITY

1. Name of the Scheme : Erection / Establishment /Up gradation / Providing of 230KV and 110 KV Primary Main Sub-stations and EHT lines in the UT of Puducherry.

2. Objective of the Scheme :

To establish new Sub Stations, Augmentation of the existing Sub Stations and erection of its allied 230 / 110KV lines to provide reliable power supply in the UT of Puducherry.

3. Actual Physical Achievements made in the Annual Plan 2013-14 :

(i) R & M works at 110/22 KV Villianur Sub Station.

110KV side:

- Out of 14 nos of tower foundations, works completed for 11 nos of towers and part of Cable trench works completed.
- 110KV Equipment foundations: Out of 96 nos. 49 nos have been completed.
- All major supply items were received at site.
- Control room civil works including finishing works were completed.

(ii) Strengthening of 110 KV Villianur – Bahour line.

110KV tower foundations:

- Out of 49 nos. of towers, 40 nos of tower foundations were completed.

Tower erection:

- Out of 49 nos. of towers, erection works completed for 27 nos. of towers .
- Stringing works of 110 KV EHT line completed for 6.8Kms between Korkadu-Bahour section and energised on 23.01.2014.
- The second phase of stringing of 110KV line between Villianur and Korkadu Section are undertaken for execution.

(iii) Establishment of 110/11 KV Vengata Nagar Sub Station.

Civil Works:

- Final Stage Civil works completed.
- All pre-commissioning tests were completed.

Laying of 110KV EHT Cable:

- Necessary clearance for execution of Railway crossing works were obtained from DEE/ Trichy.

- Necessary action initiated for obtaining the Safety Certificate from Railway Authorities.
- In- principle approval was accorded by the Single Window Committee, PWD for the road cutting permission for laying the cable.
- PTCC clearance applied. Route Approval was accorded by DET(PTCC).
- 24.165Kms of 110KV Cable, 7 Kms of Optic Fibre Cable, Straight through joints, Trefoil clamps were received at site.
- Cable laying of Section 1,2,3,5,8,9,10,11 & 12 (4.705 Kms) completed.
- Cable jointing works under taken.

(iv) Establishment of 110/22 KV Sub Station at Lawspet, Puducherry

- Part of land bearing RS No.217/6 having an extent of 00-37-00 HAC had been purchased.
- Land Acquisition process to acquire 00-28-78HAC land through Deputy Collector Revenue (North) cum Land Acquisition Officer , Puducherry was initiated.

4. Physical Achievements for the Annual Plan 2014-15:

Erection and Establishment of new 110/11 KV Vengata Nagar Sub Station.

Work completed and the new Substation was commissioned on 27.06.2014 with the following equipments.

(a) 110/ 11KV Vengata Nagar SS:

Power Transformer capacity : 2 x 31.5MVA, 110/ 11KV with 10 nos of 11KV Feeder Bays and 2 nos. of 2.4 MVAR 11KV Capacitor banks.

(b) 110KV Marapalam- Vengata Nagar UG Cable Feeder :

Route length-6.556 Kms , size- 4x 630Sqmm XLPE insulated Copper Cable (one as stand by).

Establishment of new 230 / 110 KV Auto Sub Station at Karaikal.

Agreement has been signed with M/s. Power Grid Corporation of India Ltd on 19.8.2014. 10% of estimated cost i.e.₹ 3.03 Crores has been paid for preliminary commencement of works.

Establishment of 110 / 22 KV Sub Station in the premises of 230/ 110KV Auto Substation at Thondamanatham:

Agreement has been signed with M/s. Power Grid Corporation of India Ltd on 02.06.2014. 10% of estimated cost has been paid for preliminary commencement of works.

Strengthening of 110KV Villianur-Bahour line:

The first phase work for 6.75 Kms between Bahour and Korkadu 110/ 22KV Substation has been completed and energised. The second phase work is going on in full swing and 90% of works completed and will be energised shortly.

Renovation and Modernisation of 110 / 22KV Villianur Sub station:

80% of works completed and will become operational at the earliest.

5. Proposed Physical Targets for the Annual Plan 2015-16 :

- Strengthening of Marapalam- Villianur 110KV Feeder I & II.
- Strengthening of 2nd circuit of 110KV Bahour- Eripakkam feeder.
- Bay arrangements at Bahour Auto SS and Eripakkam SS.
- 110 / 11KV Vengata Nagar SS (Balance Payment).
- R&M works at Villianur 110/22KV SS.
- Strengthening of 110KV Villianur –Bahour line.
- Extension of 2nd circuit of 110KV Villianur- Bahour feeder from 230/ 110KV Bahour Auto SS with bay equipment arrangement.
- Establishment of 110/ 11KV Lawspet Sub Station.(Land Acquisition).
- 110KV UG cable laying from Vengata Nagar SS to proposed 110/ 22 KV Lawspet SS and from Lawspet SS to 110 / 22KV Kurumbapet SS.

6. Remarks : Continuing Scheme

Scheme No. 2

Sector : POWER

Implementing Department : ELECTRICITY

1. Name of the Scheme : Conversion of HT over head lines into UG cables, Modernisation and Augmentation of existing 11 KV RMS system and 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. 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. Actual Physical Achievements made in the Annual Plan 2013-14 :

Sl.No.	Item description	Units	Achievement
1.	HT UG Cable laid	Kms.	2.503
2.	LT UG Cable laid	Kms.	3.290
3.	Conversion of OH service into UG cable system	Nos.	44
4.	Conversion of OH Street lights into UG cable system	Nos.	0
5.	Erection of 11 KV distribution transformers	Nos.	0
6.	Erection of Switch Gears	Nos.	7
7.	Erection of Pillar Box	Nos.	13

4. Physical Achievements for the Annual Plan 2014-15:

Sl.No.	Item	Units	Achievement
1.	Laying of HT cables	Kms	3.200
2.	Laying of LT cables	Kms	19.000
3.	Conversion of OH service into UG cable system	Nos	700
4.	Conversion of OH Street lights into UG cable system	Nos	85
5.	Erection of 11 KV distribution transformers	Nos.	5
6.	Enhancement of 11 KV distribution transformers	Nos.	5
7.	Erection of Switch Gears	Nos.	10
8.	Erection of pillar box	Nos	25

5. Proposed Physical Targets for the Annual Plan 2015-16 :

Sl.No.	Item	Units	Proposed Target
1.	Laying of HT cables	Kms	2.00
2.	Laying of LT cables	Kms	15.00
3.	Conversion of OH service into UG cable system	Nos	600
4.	Conversion of OH Street lights into UG cable system	Nos	50
5.	Erection of 11 KV distribution transformers	Nos.	5
6.	Enhancement of 11 KV distribution transformers	Nos.	5
7.	Erection of Switch Gears	Nos.	10
8.	Erection of pillar box	Nos	25

6. Remarks : Continuing Scheme

Scheme No. 3

Sector : POWER

Implementing Department : ELECTRICITY

1. Name of the Scheme : Providing meters for all categories of consumers under 100% metering Programme.

2. Objective of the Scheme :

The objective of the scheme is to provide meters in the distribution system upto 11 / 22 KV feeders and for all categories of consumers.

3. Actual Physical Achievements made in the Annual Plan 2013-14 :

- Converted Existing Electromechanical meter by Electronic digital meter in the L.T. services.
- Erection of meters in Distribution Transformers- 15 nos.

4. Physical Achievements for the Annual Plan 2014-15:

- Converted Existing Electromechanical meter by Electronic digital meter in the L.T. services.
- Providing meters in Distribution Transformers- 100 nos.

5. Proposed Physical Targets for the Annual Plan 2015-16 :

- Provision of static meters in existing Electromechanical meter in the L.T. services .
- Providing meters in Distribution Transformers- 185 nos.

6. Remarks : Continuing Scheme

Scheme No. 4

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. Actual Physical Achievements made in the Annual Plan 2013-14 :

Sl.No	Item	Units	Achievement
1.	Transformers energized	Nos.	21
2.	Transformers enhanced	Nos.	10
3.	HT Line laid	Kms.	6.361
4.	LT Line laid	Kms.	11.133
5.	HT Line Strengthened	Kms.	0.64
6.	LT Line Strengthened	Kms.	14.00
7.	LT U.G Cable laid	Kms.	0.55

4. Physical Achievements for the Annual Plan 2014-15:

Sl. No.	Item	Units	Achievement
1.	Transformers to be energized	Nos	42
2.	Transformers to be enhanced	Nos	24
3.	HT Lines to be erected	Kms	14.75
4.	LT Lines to be erected	Kms	21.75
5.	HT Lines to be strengthened	Kms	6.5
6.	LT Lines to be strengthened	Kms	14.5

5. Proposed Physical Targets for the Annual Plan 2015-16 :

Sl. No.	Item	Units	Proposed Target
1.	Transformers to be energized	Nos	38
2.	Transformers to be enhanced	Nos	16
3.	HT Lines to be erected	Kms	6.2
4.	LT Lines to be erected	Kms	16.25
5.	HT Lines to be strengthened	Kms	3
6.	LT Lines to be strengthened	Kms	11.95

6. Remarks : Continuing Scheme

Scheme No. 5

Sector : POWER

Implementing Department : ELECTRICITY

1. Name of the Scheme : Extension and Development of power supply to all categories of consumers and Street Lights.

2. Objective of the Scheme :

To provide adequate and comprehensive infra structure facilities for all categories of consumers, 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 and to provide additional street lights to ensure better living conditions of the public. To improve the distribution system so as to ensure reliable power supply.

3. Actual Physical Achievements made in the Annual Plan 2013-14 :

Sl.No	Item	Units	Achievement
1.	Transformer energized	Nos	4
2.	Transformer enhanced	Nos	2
3.	HT Line laid	Kms	0.448
4.	LT Line laid	Kms	3.048

Sl.No	Item	Units	Achievement	
5.	LT Line Strengthened	Kms	0.448	
6.	HT Industries energized	Nos	17	
7.	LT Industries energized	Nos	111	
8.	Domestic Services effected	Nos	13946	
9.	Commercial Services effected	Nos	1832	
10.	Agriculture Services effected	Nos	48	
11.	One Hut One Bulb	OC	Nos	45
		SC	Nos	0
		Total	Nos	45
12.	Street lights	OC	Nos	86
		SC	Nos	0
		Total	Nos	86

4. Physical Achievements for the Annual Plan 2014-15:

Sl.No.	Item	Units	Achievement	
1.	HT Industries	Nos	20	
2.	LT Industries	Nos	120	
3.	Domestic Services effected	Nos	9000	
4.	Commercial Services effected	Nos	1200	
5.	Agriculture Services effected	Nos	20	
6.	One Hut One Bulb	OC	Nos	10
		SC	Nos	10
		Total	Nos	20
7.	Street lights	OC	Nos	10
		SC	Nos	10
		Total	Nos	20

5. Proposed Physical Targets for the Annual Plan 2015-16 :

Sl.No.	Item	Units	Achievement	
1.	HT Industries energized	Nos	20	
2.	LT Industries energized	Nos	100	
3.	Domestic Services effected	Nos	9000	
4.	Commercial Services effected	Nos	1200	
5.	Agriculture Services effected	Nos	20	
6.	One Hut One Bulb	OC	Nos	5
		SC	Nos	5
		Total	Nos	10
7.	Street lights	OC	Nos	5
		SC	Nos	5
		Total	Nos	10

6. Remarks : Continuing Scheme

Scheme No. 6

Sector : POWER

Implementing Department : ELECTRICITY

1. Name of the Scheme : Modernisation of billing methods and development and 'E' Governance initiatives and improvement of communication methods of the Electricity Department Puducherry.

2. Objective of the Scheme :

To modernize issue of bills for current consumption charges, payments and other commercial and technical activities by introducing computers and to establish effective communication network among various sub-stations and O&M sections for minimizing power interruption period.

3. Actual Physical Achievements made in the Annual Plan 2013-14 :

- Introduction of On-line payment of current consumption charges through the payment gateway of Indian Overseas Bank.
- Procurement of additional computer systems.
- Procurement of data processing forms and consumables.
- Finalization of Annual maintenance contract for computer systems and UPS units.
- Consumer indexing and Asset mapping works completed for the Project areas covered under R-APDRP Scheme.
- Availed ISDN line from BSNL for utilization in Call Centre.
- Maintenance of VHF sets in all Sub Stations and O & M.

4. Physical Achievements for the Annual Plan 2014-15:

- Replacement of Personal computers and Printers.
- Procurement of Data processing forms and consumables.
- Finalization of Annual maintenance contract for computer systems, peripherals and UPS units.
- Introduced additional Computerised Bill Collection Centre at Villianur.
- Procurement of Resin Cast Current Transformer units for Distribution Transformer metering.
- Implementation of Part-A of R-APDRP Scheme in the UT of Puducherry.
- Installation of AMR Compatible Static Meters along with LT Resin Cast Current Transformer units and Test Terminal Blocks in Outdoor type SMC Meter boxes for Distribution Transformer metering arrangement under Part-A of R-APDRP Scheme in Town North O & M Section of Karaikal Region.
- Procurement of Outdoor type SMC Meter boxes and Test Terminal Blocks for Distribution Transformer metering arrangement under Part-A of R-APDRP Scheme.

- Finalized the tender for supply of Man power for Customer Care Cum Call Centre for the Department.
- Setting up of Network Band Width Service Provider (NBSP) for setting up the communication back bone under Part-A of R-APDRP Scheme.
- Payment of Spectrum Charges
- Purchase of VHF batteries(12 volts)
- Purchase of battery charger
- Payment of pending license fee for 12-13, 13-14

5. Proposed Physical Targets for the Annual Plan 2015-16 :

- Upgrading of existing Network and Computer systems.
- Introduction of E-Governance as per Government of India guidelines.
- Development of Internet web pages for the Department.
- Development of Intra Departmental Intranet pages within the Department.
- Establishment of Call Centre for attending Fuse off call complaints round the clock.
- Purchase of Power supply unit
- Purchase of New Hand set unit charger
- Purchase of Hand set batteries
- Purchase of High Band Repeater with accessories
- Purchase of Spares for maintenance of VHF sets
- Purchase of VHF Base set with accessories
- Payment of Royalty and License fee for VHF.

Facility to be availed by the consumers of electricity:

- Automatic entry and transfer of meter reading data through meter reading instrument (MRI) and scheduling of billing Decentralized processing, printing of bills and notices
- 24x7 online internet bill payment and establishment of anywhere bill payment counters.
- Online access of power consumption, bill dues, bill payments, service conditions and meter working conditions.
- Online alerts (email & SMS) upon generation of bills and reminder for payment of dues.
- Registration and monitoring of complaints and grievances through 24x7 call centre operation.

6. Remarks : Continuing Scheme

Scheme No. 7

Sector : POWER

Implementing Department : ELECTRICITY

1. **Name of the Scheme** : Establishment of Computer based system monitoring centre in 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. **Actual Physical Achievements made in the Annual Plan 2013-14 :**

- ULDC tariff bill payment to M/s. PGCIL
- LC renewal for ULDC payment
- Adaptation works
- SCADA AMC charges & LTSA
- Microwave AMC charges

4. **Physical Achievements for the Annual Plan 2014-15:**

- An amount of ₹ 454.00 lakhs to be incurred as ULDC tariff bill payment to M/s. PGCIL
- An amount of ₹ 18.00 lakhs to be incurred for RTU and communication equipment Upgradation.
- An amount of ₹ 90.00 lakhs to be incurred as SCADA AMC charges (LTSA) and SCC Upgradation works.
- An amount of ₹ 2.50 lakhs to be incurred as Microwave AMC charges.

5. **Proposed Physical Targets for the Annual Plan 2015-16 :**

- An amount of ₹216.00 lakhs is required for ULDC tariff bill payment to Power Grid Corporation of India Limited.
- An amount of ₹100.00 Lakhs is required for FERV charges
- An amount of ₹50.00 Lakhs is to be incurred for LTSA payment and SCC Upgradation works.
- An amount of ₹12.00 lakhs is to be incurred for RTU & SCADA maintenance Multiflexer AMC charges.
- An amount of ₹10.00 lakhs is to be incurred for procurement of PLCC equipment and Modules.

6. **Remarks** : Continuing Scheme

Scheme No. 8

Sector : POWER

Implementing Department : ELECTRICITY

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

2. **Objective of the Scheme** :

To set up a standard accredited lab to test the Static Energy Meters as per CEA Metering Regulation 2006, inclusive of building alteration and provision of Air Conditioners. Procurement of Scientific Instruments to test the Sub –station equipments based on the latest technology.

3. **Actual Physical Achievements made in the Annual Plan 2013-14 :**

- Tested and calibrated instruments such as Standard Reference Meters and protective testing equipments in various standard laboratories.

4. **Physical Achievements for the Annual Plan 2014-15:**

- Tested and calibrated instruments such as Standard Reference Meters and protective testing equipments in various standard laboratories.

5. **Proposed Physical Targets for the Annual Plan 2015-16 :**

- Testing and calibration of instruments such as Standard Reference Meters and protective testing equipments in various standard laboratories.
- Procurement of testing instruments for protection wing .
- Procurement of Scientific Equipment for HTM wing.
- Procurement of Multi functional Source and measurement device.

6. **Remarks** : Continuing Scheme

Scheme No. 9

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. Actual Physical Achievements made in the Annual Plan 2013-14 :

- Renewal of 800 nos of different grades of Supervisory permits and contractors licenses and procured Stationery items for Licensing Board.

4. Physical Achievements for the Annual Plan 2014-15:

- Renewal of 800 nos of different grades of Wireman Supervisory permits and Contractor Licenses.
- Procurement of Stationery items for smooth functioning of the Licensing Board.
- Proposal sent to the CEA , Govt of India for reconstitution of the Licensing Board with revised regulation, as per the I.E.Act 2003.

5. Proposed Physical Targets for the Annual Plan 2015-16 :

- Renewal of existing 800 nos of different grades of Supervisory permits and contractors licenses.
- Procurement of Stationery items , one no. of Computer and Printer and Furniture / Almirah.
- Action is being taken to obtain approval of CEA, Govt of India, for reconstitution of Licensing Board and revised regulation.
- After getting approval of CEA, action shall be taken to issue of fresh permits and Contractor License by the Licensing Board.

6. Remarks : Continuing Scheme

Scheme No. 10

Sector : POWER

Implementing Department : ELECTRICITY

1. Name of the Scheme : Rural Electrification

2. Objective of the Scheme :

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

3. Actual Physical Achievements made in the Annual Plan 2013-14 :

Sl.No	Item	Units	Achievement
1.	Transformers energised	Nos	3
2.	Transformer enhanced	Nos	2
3.	HT lines	Kms	0.245
4.	LT lines	Kms	0.955
5.	Strengthening of LT lines	Kms.	0.65

4. Physical Achievements for the Annual Plan 2014-15:

Sl.No	Item	Units	Achievement
1.	Energisation of Transformers	Nos	11.00
2.	Enhancement of Transformers	Nos.	6.00
3.	HT Lines	Kms.	6.50
4.	LT lines	Kms	9.00
5.	Strengthening of LT lines	Kms.	6.00

5. Proposed Physical Targets for the Annual Plan 2015-16 :

Sl.No	Item	Units	Target
1.	Energisation of Transformers	Nos	10
2.	Enhancement of Transformers	Nos.	5
3.	HT Lines	Kms.	1.55
4.	LT lines	Kms	8
5.	Strengthening of LT lines	Kms.	5.2

6. Remarks : Continuing Scheme

Scheme No. 11

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 agencies like NPTI,PSTI etc.

3. Actual Physical Achievements made in the Annual Plan 2013-14 :

Sl.No	Item	Units	Achievement
1.	Imparting Internal training to Officers	Nos.	0
2.	Imparting Internal training to Staff	Nos.	60
3.	Imparting External training to Officers	Nos.	35
4.	Imparting External training to Staff	Nos.	25

4. Physical Achievements for the Annual Plan 2014-15:

Sl.No	Item	Units	Achievement
1.	Imparting Internal training to Officers	Nos.	75
2.	Imparting Internal training to Staff	Nos.	90
3.	Imparting External training to Officers	Nos.	23
4.	Imparting External training to Staff	Nos.	0

5. Proposed Physical Targets for the Annual Plan 2015-16 :

Sl.No	Item	Units	Targets
1.	Imparting Internal training to Officers	Nos	75
2.	Imparting Internal training to Staff	Nos	65
3.	Imparting External training to Officers	Nos	10
4.	Imparting External training to Staff	Nos	10

6. Remarks : Continuing Scheme