

Annexure - II
OUTLAY AT A GLANCE

Sector: Power

(Rs in Lakhs)

Department: Electricity

Budget 2017-18 Actual Expenditure : 7043.40

Budget 2018-19 Approved Outlay : 132482.61

Budget 2018-19 Revised Outlay : 145443.31

Budget 2019-20 Proposed Outlay : 199585.90

Sl. No	Name of the Scheme	Budget 2017-18	Approved Outlay 2018-19			Revised Outlay 2018-19			Proposed Outlay 2019-20		
		Actuals	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Erection/ Establishment/ Upgradation/ Providing of 230KV and 110 KV Primary Main Sub-stations and EHT lines in the UT of Puducherry.	1638.04 (10.64)		608.55 (19.50)	608.55 (19.50)		348.50 (10.00)	348.50 (10.00)		910.00 (10.00)	910.00 (10.00)
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.	585.79		275.00	275.00		177.00	177.00		320.00	320.00
3	System improvement for reduction of transmission and distribution losses.	1022.84		934.75	934.75		842.00	842.00		700.00	700.00
4	Extension and Development of power supply to all categories of consumers and Street Lights.	1355.51 (20.69)		317.50 (24.00)	317.50 (24.00)		698.00 (43.50)	698.00 (43.50)		749.00 (45.00)	749.00 (45.00)
5	Rural electrification.	45.56		68.00	68.00		98.50	98.50		135.00	135.00
6	Providing meters for all consumers under 100% metering programme.	148.71		138.30	138.30		165.69	165.69		198.65	198.65
7	Suspense.			1900.00	1900.00		1863.00	1863.00		1921.50	1921.50
8	Building up of infra structure facilities in the Electricity Department. (NL-State share)			1.00	1.00		1.00	1.00		1.00	1.00
9 Negotiated Loan Component											
i)	Erection/ Establishment/ Upgradation/ Providing of 230KV and 110 KV Primary Main Sub-stations and EHT lines in the UT of Puducherry. (NL)	1073.00									
ii)	Modernisation of billing methods and development and 'E' Governance initiatives and improvement of communication methods of the Electricity Department Puducherry. (NL)						2117.70	2117.70		1911.00	1911.00
iii)	Building up of infra structure facilities in the Electricity Department. (NL)	661.00		2500.00	2500.00		1412.30	1412.30		1665.00	1665.00
iv)	Central share for implementation of Deen Dhayal Upadhyaya Gram Jyothi Yojana scheme in the UT of Puducherry.			120.31	120.31		120.31	120.31			
v)	Erection/ Establishment/ Upgradation/ Provision of 230 KV and 110 KV Sub-stations & EHT lines in the UT of Puducherry (External Commercial Borrowings) - JICA.									12207.20	12207.20

Sl. No	Name of the Scheme	Budget 2017-18	Approved Outlay 2018-19			Revised Outlay 2018-19			Proposed Outlay 2019-20		
		Actuals	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
10	Interest on Deposits.		500.00		500.00	500.00		500.00	566.00		566.00
11	Direction and Administration.		2169.80		2169.80	2063.55		2063.55	2489.99		2489.99
12	Executive Establishment.		12804.00		12804.00	11975.10		11975.10	13465.65		13465.65
13	Office of the Consumer Grievance Redressal Forum.		82.60		82.60	72.95		72.95	98.83		98.83
14	Payment of current consumption charges, Water consumption charges, Telephone charges etc.		112.90		112.90	118.05		118.05	125.64		125.64
15	Purchase of Power.		108896.00		108896.00	122311.41		122311.41	160010.00		160010.00
16	Establishment of computer based system monitoring centre at Pondicherry.	220.68	348.70		348.70	147.85		147.85	409.45		409.45
17	Research and development setting up of standards laboratory.	127.60	188.00		188.00	100.40		100.40	155.15		155.15
		(50.85)	(56.50)		(56.50)	(46.50)		(46.50)	(45.00)		(45.00)
18	Formation of electrical inspectorate and licensing board/ Regulatory Commission Liaison Cell, for Pondicherry.	0.10	135.10		135.10	0.10		0.10	135.10		135.10
19	Human Resources and Development.	10.29	10.00		10.00	10.00		10.00	10.00		10.00
20	Modernisation of billing methods and development and 'E' Governance initiatives and improvement of communication methods of the Electricity Department Puducherry.	29.76	68.30		68.30	59.50		59.50	93.94		93.94
21	Provision of Electrical Works in Government Department Buildings.		136.80		136.80	129.40		129.40	141.00		141.00
22	Grant of Subsidy on power consumption charges to domestic consumers								1000.00		1000.00
23	Experimental Non-Conventional Solar Pond Based Solar Power System.	42.34	67.00		67.00	11.00		11.00	66.80		66.80
Total		6961.22	125519.20	6863.41	132382.61	137499.31	7844.00	145343.31	178767.55	20718.35	199485.90
		(82.18)	(56.50)	(43.50)	(100.00)	(46.50)	(53.50)	(100.00)	(45.00)	(55.00)	(100.00)
Grand Total		7043.40	125575.70	6906.91	132482.61	137545.81	7897.50	145443.31	178812.55	20773.35	199585.90

Note: Figures in bracket shows Building component.

WRITE-UPA BRIEF NOTE ON THE ACTIVITIES OF THE DEPARTMENTPower 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 Puducherry, Karaikal, Mahe & Yanam regions are met from the allocation of power from the Central Generating Stations. The power requirement of Karaikal region is also met from Power Corporation Limited (PPCL). The total power allocation from CGS is 523 MW and 32.5 MW of power is availed from Puducherry Power Corporation Limited (PPCL).

II. POWER INFRASTRUCTURE

Power to Puducherry region is fed through four numbers of 230/ 110 KV Auto Sub-Stations with total installed capacity of 760 MVA. Eleven 110/22-11 KV Sub-Stations with a total installed capacity of 515 MVA and One number of the 110/11 KV Sub-Station with installed capacity of 63 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 number of 132/33-11 KV Sub-stations of capacity 36 MVA and one 33/11 KV Sub-station of capacity 10 MVA.

SCHEME-WISE PHYSICAL ACHIEVEMENTS

Annexure-III

CAPITAL SCHEMES

Scheme Number : 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 achievement for the Annual Plan 2017-18:

- Stringing of 1.500 Kms of Transmission lines of 3.0/300 + 7/3.00 Panther ACSR Conductor from location No. 1 to 9 of 110 KV Sedarapet – Kurumbapet feeder work completed,
- Stringing of Transmission lines from Leopard conductor to Panther conductor on 110 KV Sedarapet – Kurumbapet feeder work has been completed,
- Stringing Panther conductor for bottom phase between tower location No. 13 to 18 of 110 KV Villianur – Kalapet feeder work has been completed

4. Actual Physical achievement for the Annual Plan 2018-19:

- A new 230/110 KV Auto Sub-station at Pillaiteruvasal has been commissioned with two numbers of 100 MVA Power Transformers one each on 21.12.2018 and 12.01.2019,
- A new 110/22 KV Sub-station in the premises of Thondamanatham 230/110 KV Auto Sub-station with two numbers of 25 MVA Power Transformers has been commissioned on 06.03.2019,
- Three numbers of 22 KV feeders were erected for evacuation of power from Thondamanatham 110/22 KV Sub-station,
- Proposal for compensation sent for sorting Right Of Way issue for stringing of second circuit of Kalapet – Sedarapet feeder,
- Line materials procured for strengthening of 110 KV Bahour-Korkadu and 110 KV Bahour-Nathapattu feeders from location Nos. 1 to 13,

- Payment made to M/s PGCIL for strengthening of 110 KV Villianur-Bahour lines,
- Payment made to M/s PGCIL for extension of second circuit of 110 KV Villianur-Bahour lines,
- Balance payment made to M/s PGCIL for the establishment of 110/11 kV Vengatta nagar Sub-station,
- Balance payment made to TNEB for the already completed works,
- Work order placed for the replacement of Indoor equipments at Villianur and Bahour 230/110 KV Sub-stations under PSDF,
- Work order issued for providing of Bay equipments at 230/110 KV Bahour Sub-station and 110/22 KV Eripakkam Sub-station.

5. Proposed Physical Targets for the Annual Plan 2019-2020:

- Renovation and upgradation of protection systems at Villianur and Bahour 230/110 KV Sub-stations under PSDF.
- Stringing of second circuit from location number 21 to 63 of 110 KV Bahour - Eripakkam feeder.
- Providing of Bay equipments at 110/22 KV Bahour and Eripakkam Sub-stations.
- Strengthening of 110 KV Bahour – Korkadu and 110 KV Bahour – Nathapattu feeder from location number 1 to 13.
- Stringing of second circuit for Kalapet 110/22 KV Sub-station from 110/22 KV Sedarapet Sub-station.
- Stringing of 2 numbers of 22 KV feeders for evacuation of power from 110/22 KV Thondamanatham 110/22 KV Sub-station.
- Augmentation of Power transformer capacities at Thirubuanai, Villianur and Korkadu 110/22 KV Sub-stations and provision of 110 KV Bay equipments at 230/110 KV Villianur and Bahour Auto Sub-stations.
- Establishment of 110/22 KV Sub-station at Thavalakuppam.
- Providing of metering arrangements for Karaikal 230/110 KV Auto Sub-station,
- Procurement of Vehicle,
- Purchase of Machinery & Equipments, Furniture, etc.,

6. Remarks: Continuing Scheme.

Scheme Number : 2
Sector : Power

Implementing Department : Electricity

1. Name of the scheme : Conversion of HT Over Headlines into UG cables, Modernisation and Augmentation of existing 11 KV RMS systems 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, Mahe 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 for the year 2017-18:

Sl. No	Item description	Units	Achievement
1.	HT UG Cable laid	Kms.	0.998
2.	LT UG Cable laid	Kms.	3.895
3.	Conversion of OH service into UG cable system	Nos.	167
4.	Conversion of OH Street lights into UG cable system	Nos.	14

4. Actual physical achievements for the year 2018-19:

Sl. No	Item	Units	Achievement
1.	Laying of HT UG cables	Kms.	2.676
2.	Laying of LT UG Cables	Kms.	3.271
3.	Conversion of OH service into UG cable system	Nos.	102
4.	Conversion of OH Street lights into UG cable system	Nos.	7

5. Proposed Physical Targets for year 2019-20:

Sl. No	Item	Units	Target
1.	Laying of HT cables	Kms	3.000
2.	Laying of LT cables	Kms	35.000
3.	Conversion of OH service into UG cable system	Nos	200
4.	Conversion of OH Street lights into UG cable system	Nos	25
5.	Erection of 11 KV distribution transformers	Nos.	5
6.	Enhancement of Transformer	Nos.	5
7.	Erection of Switch gear	Nos.	5
8.	Erection of pillar box	Nos	25

6. Remarks: Continuing Scheme.

Scheme Number : 3
Sector : Power

Implementing Department : Electricity

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

2. Objective of the scheme : 1. 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.

2. 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 for the year 2017-18:

Sl. No	Item	Units	Achievement
1.	Transformers energized	Nos.	34
2.	Transformers enhanced	Nos.	2
3.	HT Line laid	Kms.	12.678
4.	LT Line laid	Kms.	7.330
5.	LT Line Strengthened	Kms.	12.212
6.	HT U.G Cable laid	Kms.	0.245
7.	LT U.G Cable laid	Kms.	1.305

4. Actual physical achievements for the year 2018-19:

Sl. No	Item	Units	Achievement
1.	Transformers energized	Nos	31
2.	Transformers enhanced	Nos	13
3.	HT Lines energized	Kms	15.026
4.	LT Lines energized	Kms	15.585
5.	HT Lines strengthened	Kms	2.197
6.	LT Lines strengthened	Kms	19.705
7.	HT U.G Cable laid	Kms	0.345
8.	LT U.G Cable laid	Kms	0.070

5. Proposed Physical Targets for the year 2019-20:

Sl. No	Item	Units	Target
1.	Energisation of Transformers	Nos	35
2.	Enhancement of Transformers	Nos	15
3.	Erection of HT Lines	Kms	20.000
4.	Erection of LT Lines	Kms	25.000
5.	Strengthening of HT Lines	Kms	3.000
6.	Strengthening of LT Lines	Kms	25.000
7.	Laying of LT U.G Cable	Kms	1.000
8.	Procurement of Motor vehicles	Nos.	2
9.	Balance works pertains to the R-APDRP scheme are also to be completed.		
10.	Purchase of Machinery & Equipments, Furniture, etc.,		

6. Remarks: Continuing Scheme.

Scheme Number : 4
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 :
1. To provide adequate and comprehensive infrastructure 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.
 2. To improve the distribution system so as to ensure reliable power supply.

3. Actual physical achievements for the year 2017-18:

Sl. No	Item	Units	Achievement
1.	Transformer energized	Nos	15
2.	Transformer enhanced	Nos	6
3.	HT Line laid	Kms	3.687
4.	LT Line laid	Kms	34.999
5.	HT Line Strengthened	Kms	1.160
6.	LT Line Strengthened	Kms	10.428
7.	HT Services effected	Nos	14
8.	LT Industrial services effected	Nos	45
9.	Domestic Services effected	Nos	13,682
10.	Commercial Services effected	Nos	1,916
11.	Agriculture Services effected	Nos	35
12.	OHOB	Nos	3
13.	Street lights	Nos	581
14.	HT UG Cable laid	Kms	0.106
15.	LT UG Cable laid	Kms	0.501

4. Actual physical achievements for the year 2018-19:

Sl. No	Item	Units	Achievement
1.	Transformers energized	Nos	23
2.	Transformers enhanced	Nos	13
3.	HT Line laid	Kms	3.529
4.	LT Line laid	Kms	53.927
5.	LT Line Strengthened	Kms	1.875
6.	HT Services effected	Nos	14
7.	LT Industrial services effected	Nos	67
8.	Domestic Services effected	Nos	13672
9.	Commercial Services effected	Nos	1665
10.	Agriculture Services effected	Nos	55
11.	Street lights	Nos	531
12.	HT UG Cable laid	Kms	1.180
13.	LT UG Cable laid	Kms	0.717

5. Proposed Physical Targets for the year 2019-20:

Sl. No	Item	Units	Target
1.	Energisation of Transformers	Nos	25
2.	Enhancement of Transformers	Nos	15
3.	Erection of HT Lines	Kms	5.000
4.	Erection of LT Lines	Kms	55.000
5.	Strengthening of HT Lines	Kms	0.500
6.	Strengthening of LT Lines	Kms	3.000
7.	Effecting of HT service connections	Nos	15
8.	Effecting of LT Industries	Nos	60
9.	Effecting of Domestic Services	Nos	15000
10.	Effecting of Commercial Services	Nos	1750
11.	Effecting of Agriculture Services	Nos	50
12.	Effecting of Street lights	Nos	600
13.	Laying of HT UG Cable	Kms	1.500
14.	Laying of LT UG Cable	Kms	3.000
15.	Procurement of Motor vehicles	Nos	2

6. Remarks: Continuing Scheme.

Scheme Number : 5
Sector : Power

Implementing Department : Electricity

1. Name of the scheme : Rural Electrification

2. Objective of the scheme : To electrify the villages and Harijan areas. 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 for the year 2017-18:

Sl. No	Item	Units	Achievement
1.	Transformers energized	Nos	2
2.	Transformers enhanced	Nos	4
3.	HT lines	Kms	2.971
4.	LT lines	Kms	7.465
5.	Strengthening of LT lines	Kms.	2.000

4. Actual Physical achievement for the year 2018-19:

Sl. No	Item	Units	Achievement
1.	Transformers energised	Nos	4
2.	Transformers enhanced	Nos	1
3.	New HT Lines	Kms.	1.465
4.	New LT lines	Kms	3.425
5.	Strengthening of LT lines	Kms.	2.000

6. Proposed Physical Targets for the year 2019-20:

Sl. No	Item	Units	Proposed Target
1.	Energisation of Transformers	Nos	5
2.	Enhancement of Transformers	Nos.	5
3.	Erection of HT Lines	Kms.	2.000
4.	Erection of LT lines	Kms	3.000
5.	Strengthening of HT lines	Kms	1.000
6.	Strengthening of LT lines	Kms.	3.000

6. Remarks: Continuing Scheme.

Scheme Number : 6
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 for the year 2017-18:
 - Replaced 9,074 nos of defective/ stuck up Electro mechanical meters by Electro Static meters in the L.T. service connections.
4. Actual physical achievements for the year 2018-19:
 - Replaced 10,100 numbers of defective/ stuck up Electro mechanical meters by Electro Static meters in the L.T. service connections.,
 - 13 numbers of meters were provided in street light arrangements,
 - 79 numbers of meters were provided in OHOB service connections and 4 numbers of meters were provided in Agricultural service connections,
 - 23 numbers of meters were provided in distribution transformers,
 - 3 numbers of LT metering arrangements were converted into HT metering arrangements.
5. Proposed Physical targets for the year 2019-20:
 - Proposed to replace 10,000 numbers of defective/ stuck up Electro mechanical meters by Electro Static meters in the L.T. service connections,
 - Providing of metering arrangements at Street lights, OHOB service connections, Agricultural services, distribution transformers, etc.,
 - Providing of Modems in the HT service connections and DCUs in LPRF meters to collect data's on real time basis in the control centre,
 - Conversion of LT metering arrangements into HT metering arrangements in the existing HT service connections,
 - Providing LPRF meters in the areas not covered under Smart Grid, IPDS and DDUGJY schemes.
6. Remarks: Continuing Scheme.

(Negotiated Loan)

Scheme Number : 7
Sector : Power

Implementing Department : Electricity

1. Name of the scheme : Building up of Infra structure facilities in Electricity Department.

2.Objective of the scheme : Development of infrastructure facilities and strengthening of the Transmission and Distribution system by Implementation of various Central Sector schemes viz.

- (i) Restructured Accelerated Power Development scheme Part A and Part B,
- (ii) Integrated Power Development Scheme,
- (iii) Deen Dayal Upadhyaya Gram Jothi Yojana and other Schemes by availing Negotiated Loan.

The scheme comprises of:

- Setting up of new Sub Stations and Augmentation of capacity of existing Sub Stations.
- Renovation & Modernization of the existing Sub Stations.
- Provision/Replacement of Capacitor banks in Sub Stations.
- Establishment of new Distribution feeders and strengthening of the existing feeders.
- Erection of new Distribution Transformers and enhancing the capacity of the existing Distribution Transformers.
- Earthing of Distribution Transformers, etc.,

3. Actual Physical achievements for the year 2017-18:

- Two numbers of 25 MVA Power Transformers, one each at 110/22 KV Kurumbapet Sub-station and 110/22 KV Villianur Sub-station had been erected and commissioned,
- Works related to provision of new automated RMUs at 12 locations by replacing the existing old RMUs required for SCADA/ DMS system were completed,
- 1.709 Kms of HT UG cables were laid,
- 0.240 Km of LT UG cables were laid,

- One number of 22/0.433 KV distribution transformer was replaced with 11 KV transformer,
- 8 Nos. of Switch gears were erected,
- 12 Nos. of distribution transformers were erected,
- Out of 36,000 numbers of Wedge connectors, 20,000 numbers of Wedge connectors were provided,
- Out of 2100 numbers of provision of Earth electrodes in the distribution transformers, 1800 numbers were so for completed,
- 30,000 numbers of single phase LPRF meters and 12,500 numbers of three phase LPRF meters were procured and distributed to the O&M sections for replacement in a phased manner,
- 6 numbers of 11/0.433 KV, 630 KVA distribution transformers and 5 numbers of 11/0.433 KV, 315 KVA distribution transformers were procured.

4. Actual Physical Achievements for the year 2018-19:

- 22 numbers of distribution transformers were erected at various O&M areas,
- 35 numbers of 22/0.433 KV, 315 KVA distribution transformers were procured,
- 27 numbers of 11/0.433 KV, 630 KVA distribution transformers were procured,
- 200 numbers of LT-CT operated Energy meters and 200 numbers of Sintex type Metering boxes were procured,
- 500 numbers of LT distribution pillar boxes were procured,
- Balance 300 numbers of Earth Electrodes were provided for the existing distribution transformers,
- 5000 numbers of Wedge connectors were provided,
- Provision of FPI in 22 KV HT feeders were completed,
- Award of work has been issued for provision of additional RMUs by way of Bus extension in the existing SCADA RMUs at 18 locations,
- Award of work has been issued for provision of SCADA RMUs with FRTU and replacement of Non SCADA RMUs at 72 locations,
- Supply order was placed for procurement of 70 numbers of 22 KV, 200 KVA distribution transformers,
- Work order issued for provision of 8 sets of 2.4 MVAR Capacitor banks at various 110/22 KV Sub-stations.

5. Proposed Physical Targets for the year 2019-20:

- Proposed to provide of additional RMUs at Muthialpet area and replacement of Non SCADA RMUs will be completed,
- Proposed to provide 27 numbers of 11 KV, 630 KVA distribution transformers at various O&M sections in Puducherry town areas,
- Proposed to provide 70 numbers of 22 KV, 200 KVA distribution transformers at various O&M sections in Puducherry town areas,
- Proposed to provide SCADA RMUs with FRTU and replacement of Non SCADA RMUs at 72 locations,
- Proposed to lay 11.500 Kms of HT UG cables,
- Proposed to erect 500 Nos. of Distribution Pillar boxes,
- Proposed to provide balance numbers of Wedge connectors,
- Proposed to provide 8 sets of 2.5 MVAR Capacitor banks at various 110/22 KV Sub-stations.

Deen Dayal Upadhyaya Gram Jothi Yojana (DDUGJY):

Objective of the scheme: Providing reliable and quality power supply to all Villages and reduction of line losses.

i. Proposed Works for the year 2019-20:

Sl. No	Item	Units	Proposed Works
1.	Erection of new 22/11 KV feeders	Kms	40.000
2.	Erection/ Enhancement of 22 KV Transformer	Nos	25
3.	Erection of 22 KV Spur line	Kms	9.000
4.	Erection of LT Overhead lines	Kms	13.000
5.	Provision of metering arrangements	Nos	77,000
6.	Provision of DT Metering	Nos.	1250
7.	Provision of 22 KV Bay arrangements	Nos	5
8.	Augmentation of 33/11 KV Sub station	Nos.	1

Integrated Power Development Scheme (IPDS):

Objective of the scheme: Reduction of AT&C losses and improvement in quality and reliability of power supply in Town areas.

(i) Actual achievement for the year 2018-19:

Sl No	Item	Unit	Achievement
1	Erection of transformer	Nos	11
2	HT UG Cable laid	Kms	2.528

(ii) Proposed target for the Annual Plan 2019-20:

Sl. No	Item	Units	Proposed Works
1.	New 22 KV Line feeder/ bifurcation of feeders (each one feeder in Marapalam SS, Villianur SS & Kurumbapet SS	Kms	11.000
2.	22 KV Line bay extension at EHV Substation (MPLM-1,VLR SS-1, KMBPT SS-1)	Nos	3
3.	11 KV UG Cable feeder each one in Karaikal, Mahe & Yanam	Kms	10.000
4.	Provision of 11 KV bay equipment only at Karaikal & Yanam	Nos.	3
5.	Provision of Indoor type Switchgear panel with associated equipment including one RMU at Palloor SS	Nos.	1
6.	New 22/ 0.433 KV, 315 KVA Distribution Transformer	Nos.	20
7.	New 11/ 0.433 KV, 200 KVA Distribution Transformer	Nos	20
8.	Installation of Capacitor bank	MVAR	7.2
9.	Installation of HVDS 63 KVA	Nos	15
10.	Replacement of Single phase Static meter with LPRF	Nos	30,000
11.	Replacement of Three phase Static meter with LPRF	Nos	5,000
12.	Provision of Solar Panel	Kw	240
13.	Provision of 11 KV RMU	Nos	6

Japan International Co-operation Agency (JICA) Loan Assistance scheme:

Objective of the scheme:	<ul style="list-style-type: none"> i. To meet the growing demand in the UT of Puducherry, ii. To maintain quality, stability and reliability of power supply, iii. To reduce the Transmission and Distribution Losses to 9.75%.
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(i) Proposed Works for the year 2019-20:

Sl. No	Proposed Works
1	Establishment of new 110/22 KV Gas Insulated Sub-station at Lawspet with 2 X 25 MVA Power Transformers,
2	Augmentation of Sub-station capacity by erection of additional 100 MVA Power Transformer at Thondamanatham 230/110 KV Auto SS,
3	Augmentation of Sub-station capacity of Thethampakkam EHV Sub-station with 2 X 16 MVA Power Transformers,
4	Augmentation of Sub-station capacity of Villianur EHV Sub-station with one number of 25 MVA Power Transformer,
5	Renovation and modernisation of existing Marapalam EHV Sub-station into GIS with Indoor 22 & 11 KV Gas insulated switchgears,
6	Renovation and modernisation of existing Mettacur EHV Sub-station at Yanam,
7	Providing of new 22 KV, 2.4 MVAR Capacitor banks at six EHV Sub-stations,
8	Providing of new 11 KV, 2.4 MVAR Capacitor banks at various EHV Sub-stations at Karaikal, Mahe and Yanam regions,
9	Augmentation of Sub-station capacity of Eripakkam EHV Sub-station with 2 X 25 MVA Power Transformers with renovation of 110 KV Bay equipments,
10	Augmentation of Sub-station capacity of Thirubuanai EHV Sub-station with 2 X 25 MVA Power Transformers with renovation of 110 KV Bay equipments/Extensions,
11	Augmentation of Sub-station capacity of Sedarapet EHV Sub-station with 2 X 25 MVA Power Transformers with renovation of 110 KV Bay equipments,
12	Augmentation of Sub-station capacity of Bahour EHV Sub-station with 2 X 25 MVA Power Transformers with 110 KV Bay extension/ replacement,

Sl. No	Proposed Works
13	Erection of 110 KV DC line on DC Towers between Manalipet-Thirubuanai EHV Sub-stations (LILO),
14	110 KV Bay extension at Kurumbapet EHV Sub-station and 110 KV cable laying from Kurumbapet Sub-station to the proposed Lawspet 110/22 KV Sub-station,
15	110 KV Bay extension at Vengatta nagar EHV Sub-station and 110 KV cable laying from Vengatta nagar Sub-station to the proposed Lawspet 110/22 KV Sub-station,
16	110 KV Bay extension at Pillaitheruvasal 110/11 KV Sub-station and 110 KV cable laying from Pillaitheruvasal Sub-station to the proposed Kottucherry 110/11 KV Sub-station, Lawspet 110/22 KV Sub-station,
17	Laying of 110 KV cable from the Marapalam EHV Sub-station to the proposed Thavalakuppam EHV Sub-station,
18	110 KV Bay extension at Korkadu EHV Sub-station and 110 KV cable laying from Korkadu EHV Sub-station to the proposed Thavalakuppam EHV Sub-station,
19	Providing of Numerical Relays and SCADA & Sub-station automation in the EHV Sub-stations,
20	Erection of new 22 KV Over head feeders.

Modernisation of billing methods and development and 'E' Governance initiatives and improvement of communication methods of the Electricity department Puducherry (NL):

Objective of the scheme:	i. To meet the growing demand in the UT of Puducherry, ii. To maintain quality, stability and reliability of power supply, iii. To reduce the Transmission and Distribution Losses to 9.75%.
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Proposed Works for the year 2019-20:

Sl. No	Proposed Works
1	Spill over works of RAPDRP-Part B works,
2	Balance payment to Thondamanatham EHV Sub-station works,
3	Balance payment to Karaikal Auto Sub-station works.

7. Remarks: Continuing Scheme.

Scheme Number : 8
Sector : Power

Implementing Department : Electricity

1. Name of the scheme : SUSPENSE

2. Objective of the scheme : To purchase electrical items, machineries, scientific equipments and other assets for the UT of Puducherry.

3. Proposed physical targets for the year 2019-20 : Procurement of electrical machineries and equipments such as distribution transformers, Poles, Cables, Conductors, HT and LT line materials, meters, Pillar boxes, Street light materials, furniture, etc.

4. Remarks: Continuing Scheme.

REVENUE SCHEMES

Scheme Number : 1
Sector : Power

Implementing Department : Electricity

1. Name of the scheme : Interest on Security Deposit

2. Objective of the scheme : Payment of interest on Security Deposit to LT /HT Consumers in the UT of Puducherry as per the JERC guidelines.

3. Proposed physical targets : Payment of Interest to be made to the LT and HT
for the year 2019-20 consumers in the UT of Puducherry.

4. Remarks: Continuing Scheme.

Scheme Number : 2
Sector : Power

Implementing Department : Electricity

1. Name of the scheme : Direction and Administration

2. Objective of the scheme : Payment of Salary, OTA, Medical Treatment, stipend and other recurring expenditure to the Non-technical Staff of Electricity Department.

3. Proposed Physical Targets for the year 2019-20 : To meet out the committed expenditure of Pay and Allowances and other Administrative expenses.

4. Remarks : Continuing Scheme.

Scheme Number : 3
Sector : Power

Implementing Department : Electricity

1. Name of the scheme : Executive Establishment

2. Objective of the scheme : Payment of Salary, Wages, OTA, Medical Treatment, stipend and other recurring expenditure to the Technical Staff of Electricity Department.

3. Proposed Physical Targets for the year 2019-20 : To meet out the committed expenditure of Pay and Allowances and other Administrative expenses.

4. Remarks : Continuing scheme.

Scheme Number : 4
Sector : Power

Implementing Department : Electricity

1. Name of the scheme : Office of the Consumer Grievances Redressal Forum (CGRF)

2. Objective of the scheme : Payment of Salary, Medical Treatment, rent and other Contractual services to the Staff of CGRF.

3. Proposed Physical Targets for the year 2019-20 : To meet out the committed expenditure of Pay and Allowances and other Administrative expenses.

4. Remarks : Continuing scheme.

Scheme Number : 5
Sector : Power

Implementing Department : Electricity

1. Name of the scheme : Payment of current consumption charges, Water consumption charges, Telephone charges etc

2. Objective of the scheme : Payment of Current consumption charges, Water consumption charges, Telephone charges etc for the Electricity Department.

3. Proposed Physical Targets for the year 2019-20 : To make payment of Current Consumption Charges, Telephone charges, Water supply charges, etc.

4. Remarks : Continuing scheme.

Scheme Number : 6
Sector : Power

Implementing Department : Electricity

1. Name of the scheme : Purchase of Power

2. Objective of the scheme : Payment for the Power purchased from various Central Generating Stations, Puducherry Power Corporation Limited, Tamil nadu Generation Corporation (TANGEDCO), Payment of all kinds of other charges such as Transmission charges, PoC charges, Purchase of renewable energy/ Renewable energy certificates etc.

3. Proposed Physical Targets for the year 2019-20 : Payment to be made to various Central Generating Stations, Puducherry Power Corporation Limited, Tamil nadu Generation Corporation (TANGEDCO) for the purchase of Power and payments of all kinds of other charges such as Transmission charges, PoC charges, Purchase of renewable energy/ Renewable energy certificates etc. Further payments to be made to M/s EESL towards the supply of LED bulbs.

4. Remarks : Continuing scheme.

Scheme Number : 7
Sector : Power

Implementing Department : Electricity

1. Name of the scheme : Provision of Electrical Works in Govt. buildings

2. Objective of the scheme : Electrical maintenance of Govt Buildings in the entire UT of Puducherry Region.

3. Proposed Physical Targets for the year 2019-20 : Proposed to carryout maintenance works in electrical wirings, replacement of electrical fixtures in the Government buildings in the UT of Puducherry.

4. Remarks : Continuing scheme.

Scheme Number : 8
Sector : Power

Implementing Department : Electricity

Name of the scheme	: Modernization of billing methods and development and 'E' Governance initiatives and improvement of communication methods of the Electricity Department Puducherry.
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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 for the year 2017-18:

- Procurement of Data processing forms and consumables,
- Finalization of Annual maintenance contract for computer systems and UPS units,
- Implementation of Part-A (IT) of R-APDRP Scheme in the UT of Puducherry,
- Implementation of Part-A RAPDRP scheme in the UT of Puducherry,
- Activation of All India Toll free number 1912 and 18004251912.

4. Actual Physical Achievements for the year 2018-19:

- Introduction of E-Governance as per Government of India guidelines,
- Conversion of Internet web pages for the department as per the guidelines of Indian Government websites (GIGW),
- Transferring the Internet web pages of the department from the data centre of NIC, New Delhi to the State data centre, Government of Puducherry,
- Purchase of new computer systems and Dot matrix printer for the department through the GeM portal,
- Registration and ascertaining of requirement of resource for transferring of Internet web pages of the department from State data centre, Puducherry to NIC Cloud "Meghraj",
- Implementation of Software development works for online meter reading, billing and collection through NIC,
- Enrollment of BBPS payment through Indian Overseas Bank (Primary Biller) for payment of current consumption charges,
- Payment of Spectrum charges for VHF sets.

5. Proposed Physical Targets for the year 2019-20:

- Upgradation of existing Network and Computer systems and printers,
- Procurement of Computers, Computer stationeries, Printers, Xerox machines, Office equipments, UPS Batteries, etc.,
- Procurement of 600 VA portable UPS for the Enrolling of Secondary Biller for BBPS payments,
- Implementation of On line meter reading, Billing and Collection of all category of consumers including Bill generation for Agricultural services through new software development process,
- Software development for introduction for Other Receipts in the collection module,
- Upgradation of existing Stores Inventory System and Works Accounting Systems software.
- Automatic entry and transfer of meter reading data through Metter Reading Instrument (MRI) and scheduling of billing decentralized processing, printing of bills and notices,
- 24 X 7 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 (e-mail and SMS) upon generation of bills and reminder for payment of dues,
- Registration and monitoring of complaints and grievances through 24 X 7 call centre operation.
- Payment of Royalty and license fees
- Purchase of spares for maintenance of VHF sets.

6. Remarks: Continuing Scheme.

Scheme Number : 9
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 for the year 2017-18:

- ULDC Tariff charges bill payment to M/s PGCIL.

4. Actual Physical achievements for the year 2018-19:

- ULDC tariff charges payment has been made to M/s PGCIL.
- Replacement of the faulty PLCC, RTU and FO equipment modules for reliable voice and data communication between Sub-stations,
- Replacement of 100 AH VRLA Battery bank by 200 AH VRLA for UPS-I & II provided in the Battery room of System Control Centre,
- Annual maintenance works of SCADA system in System Control Centre,
- Payment to M/s PGCIL towards the ULDC up-gradation project.

5. Proposed Physical Targets for the year 2019-20:

- Annual Maintenance works of SCADA System in System Control Centre,
- Replacement of the faulty PLCC, RTU and FO equipment modules in order to have reliable voice and data communication between Sub Stations.
- Maintenance of RTU and PLCC equipments,
- Payment to be made to M/s PGCIL towards the ULDC up-gradation project.

6. Remarks: Continuing Scheme.

Scheme Number : 10
Sector : Power

Implementing Department : Electricity

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

2. Objective of the scheme : 1. 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.

2. Procurement of Scientific Instruments to test the Sub-station equipments based on the latest technology.

3. Actual Physical Achievements for the year 2017-18:

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

4. Actual Physical Achievements for the year 2018-19:

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

5. Proposed Physical Targets for the year 2019-20:

- Testing and calibration of Instruments such as Standard Reference Meters and protective testing equipments in various standard laboratories.
- Procurement of Three phase and single phase relay testing kits, digital multi meters, digital clamp on meter, digital insulation tester and other testing equipments for testing of Meters, Relays and other metering arrangements,
- Procurement of testing equipments for Anti Power Theft Squad.

6. Remarks: Continuing Scheme.

Scheme Number : 11
Sector : Power

Implementing Department : Electricity

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

2. Objective of the scheme : 1. Inspection of the electrical installation in the Union Territory of Pondicherry and issue of Safety Certificates.
2. Issue of 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 Achievement for the year 2017-18:

- Renewed 846 nos of different grades of Wiremen, Supervisory permits and contractors licenses and procured Stationery items for Licensing Board.

4. Actual Physical Achievement for the year 2018-19:

- Renewed 846 nos of different grades of Wireman, Supervisory permits and Contractor Licenses,
- Procured Stationery items for smooth functioning of the Licensing Board.

5. Proposed physical Targets for the year 2019-20:

- Renewal of existing 846 nos of different grades of Wiremen, Supervisory permits and contractors licenses,
- Constitution of Electrical Inspectorate in the U.T. of Puducherry,
- Appointing of Chief Electrical Inspector, Electrical Inspectors & their Complementary Staff,
- Re-constitution of Licensing Board,
- Issuance of different grades of Supervisory permits & Contractor licenses.

6. Remarks: Continuing Scheme.

Scheme Number : 12
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 for the year 2017-18:

Sl. No	Item	Units	Achievement
1.	Imparted Internal training to Officers	Nos.	97
2.	Imparted Internal training to Staff	Nos.	324
3.	Imparted External training to Officers	Nos.	20
4.	Imparted External training to Staff	Nos.	4

4. Actual Physical Achievements for the year 2018-19:

Sl. No	Item	Units	Achievement
1.	Imparted Internal training to Officers	Nos	60
2.	Imparted Internal training to Staff	Nos	352
3.	Imparted External training to Officers	Nos	21
3.	Imparted External training to Staff	Nos	19

5. Proposed Physical Targets for the year 2019-20:

Sl. No	Item	Units	Target
1.	Imparting Internal training to Officers	Nos	50
2.	Imparting Internal training to Staff	Nos	200
3.	Imparting External training to Officers	Nos	10
4.	Imparting External training to Staff	Nos	15
5.	Conducting training day for each month	Nos	50
6.	Imparting Safety classes to the technical staff at Sub-Stations & Distribution side.	Nos	200

6. Remarks: Continuing scheme.

Scheme Number : 13
Sector : Power

Implementing Department : Electricity

1. Name of the scheme : Grant on Subsidy on power consumption charges to domestic consumers.

2. Objective of the scheme : The objective of the scheme is providing of 50% Subsidy on the Current Consumption Charges of the Domestic consumers in the UT of Puducherry whose monthly consumption is less than 100 units.

5. Proposed physical target for the year 2019-20:

- Payment of Subsidy amount for the domestic consumers whose consumption is less than 100 units.

6. Remarks: Continuing scheme.

Scheme Number : 14
Sector : Energy

Implementing Department : Electricity

1. Name of the scheme : Development of Non-Conventional sources of energy.

2. Objective of the scheme : The objective of the scheme is to promote the use of new and renewable sources of energy and to conduct research and development on renewable sources of energy. Setting up of solar pond for production of thermal and electrical energy.

3. Actual physical achievement during the year 2017-18: Nil.

4. Anticipated physical achievement during the year 2018-19: Nil.

5. Proposed physical target for the year 2019-20:

- Maintenance of posts and payment of salaries and wages to the staff and to meet out other administrative expenses.

6. Remarks: Continuing scheme.

MAJOR PHYSICAL ACHIEVEMENTS IN BULLET POINTS

- A new 230/110 KV Auto Sub-station at Pillaiteruvasal has been commissioned with two number4s of 100 MVA Power Transformers one each on 21.12.2018 and 12.01.2019,
- A new 110/22 KV Sub-station in the premises of Thondamanatham 230/110 KV Auto Sub-station with two numbers of 25 MVA Power Transformers has been commissioned on 06.03.2019,
- Three numbers of 22 KV feeders were erected for evacuation of power from Thondamanatham 110/22 KV Sub-station,
- 22 numbers of distribution transformers were erected at various O&M areas in Puducherry region under R-APDRP Part-B scheme,
- 11 numbers of distribution transformers were erected at various O&M areas in Karaikal region under IPDS scheme,
- 35 numbers of 22 KV, 315 KVA distribution transformers were procured,
- 27 numbers of 11 KV, 630 KVA distribution transformers were procured,
- 200 numbers of LT-CT operated Energy meters and 200 numbers of Sintex type Metering boxes were procured,
- 500 numbers of LT distribution pillar boxes were procured,
- Balance 300 numbers of Earth Electrodes were provided for the existing distribution transformers,
- 5000 numbers of Wedge connectors were provided,
- Provision of FPI in 22 KV HT feeders were completed,
- Under various primary development schemes, 60 numbers of distribution transformers of various capacities were energised and 29 numbers of existing distribution transformers were enhanced into higher capacities, 20.200 Kms of HT lines and 72.937 Kms of LT lines were energised and 2.197 Kms of HT lines and 23.580 Kms of LT lines were strengthened.
- Under Cable conversion works, 7.476 Kms of HT UG cables and 4.118 Kms of LT UG cables were laid and 102 numbers of LT overhead services and 7 numbers of LT overhead street lights were converted into UG cable system,
- Owing to the completion of the above infrastructural works, 14 numbers of HT service connections, 67 numbers of LT industrial service connections, 55 numbers of Agricultural service connections, 13672 numbers of domestic service connections, 1665 numbers of commercial service connections were effected and 531 numbers of new street lights were energised,

- 10100 numbers of defective/ stuck up electro mechanical meters were replaced with electro static meters,
- 79 numbers of meters were provided in OHOB service connections, 4 numbers of meters were provided in agricultural service connections and 23 numbers of meters were provided in distribution transformers. Besides, 3 numbers of LT metering arrangements were converted into HT metering arrangements,
- Introduction of E-Governance as per Government of India guidelines,
- Conversion of Internet web pages for the department as per the guidelines of Indian Government websites (GIGW),
- Transferring the Internet web pages of the department from the data centre of NIC, New Delhi to the State data centre, Government of Puducherry,
- Registration and ascertaining of requirement of resource for transferring of Internet web pages of the department from State data centre, Puducherry to NIC Cloud “Meghraj”,
- Implementation of Software development works for online meter reading, billing and collection through NIC,
- Enrollment of BBPS payment through Indian Overseas Bank (Primary Biller) for payment of current consumption charges,
- Replacement of the faulty PLCC, RTU and FO equipment modules for reliable voice and data communication between Sub-stations,
- Replacement of 100 AH VRLA Battery bank by 200 AH VRLA for UPS-I & II provided in the Battery room of System Control Centre,
- 60 numbers of officers and 352 numbers of staff were imparted with internal training and 21 numbers of Officers and 19 numbers of staff were imparted with external training.
