

POWER

In this Union Territory, Generation had already been unbundled by way of formation of a separate entity called “Puducherry Power Corporation Limited” in 1993 itself. Since the Union Territory is small, the transmission and distribution of power is being looked after by the Electricity Department, Puducherry.

M/s KPMG Advisory Services, Chennai, have been engaged as Professional Consultant in the process of transforming the department into a corporate entity as per the Indian Electricity Act 2003. The “As is study” is already completed and the financial restructuring is under process.

M/s Feedback Ventures has been appointed as the IT consultant for preparation of Detailed Project Report (DPR) for implementation of distribution automation scheme under R-APDRP. The DPR is under preparation and on completion; the same will be submitted to the Power Finance Corporation (PFC).

The Government of India has notified a Joint Electricity Regulatory Commission (JERC) for the State of Goa and UTs except National Capital Territory of Delhi vide notification dated 2nd May 2005. The Chairman and other member have been appointed in the recent past. The department has filed the Aggregate Revenue Requirement (ARR) and the Tariff determination petition for the year 2009-10 before the JERC on 05.10.2009. While the process of hearing on the petition by the JERC is underway, the Hon’ble High Court of Madras had stayed the process for four weeks (12.11.09 to 14.12.2009), based on the writ filed by group of Industrial consumers. Subsequently on 14.12.09, the Hon’ble first bench of High Court of Madras had vacated the aforesaid stay order based on the writ appeal preferred by JERC. Further proceeding on the tariff petition is underway.

ACHIEVEMENTS DURING 2008-09:

- To improve the working conditions of the 110/22 KV Kurumbapet sub-station, renovation and modernisation of the second phase work has been completed with a 16 MVA power transformer and 5 numbers of 22 KV feeder breakers and one LV breaker.
- Back up relays were also provided in all 110 KV feeders.
- To meet the growing power demand of Puducherry region, establishment of 230/110 KV sub-station at Thondamanatham was

entrusted to PGCIL. Regarding erection of 230 KV lines for the above proposed Sub-station, foundation works for four numbers of transmission towers, have been completed.

- In order to cater to the growing demand of Yanam region, 33/11 KV Sub-station at Adavipolam, with 2X5 MVA Power Transformers, 2 numbers of LV breakers, and 5 numbers of 11 KV feeder breakers were energised.

Under Sub-transmission schemes,

- 64 numbers of new distribution transformers of various capacities were commissioned and 43 numbers of existing distribution transforms were enhanced into higher capacities.
- 21.821 Kms of new HT lines and 68.402 Kms of new LT lines were energized, while 9.614 Kms of existing HT lines and 24.232 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, 88 numbers of new LT industrial services and 38 numbers of water tank services were energized.
- 10013 numbers of new domestic services, 1020 numbers of new commercial services, 46 numbers of new Agricultural services, 410 numbers of new OHOB services were effected.
- 758 numbers of new Street Lights were energised and 182 numbers of existing Street Lights were converted, during this year.
- 1.423 Kms of HT UG cables and 24.831 Kms of LT UG cables were laid to convert 584 numbers of OH services and 71 numbers of OH Street lights into UG cable system.
- 2 numbers of existing 11 KV distribution transformers were enhanced into higher capacities under 11 KV UG cable system.
- Spot billing systems were introduced in parts of Vadhanur and Thiruvandar Koil areas.

LIKELY ACHIEVEMENTS DURING 2009-10:

Under the **transmission scheme**, the following works have been programmed:

- The 110 KV Villianur – Marapalam I & II feeders are proposed.

- Acquisition of land at Lawspet, Thavalakuppam and PS Palayam for establishment of new EHV sub-stations and acquisition additional lands for the Kurumbapet Sub-station.
- It is proposed to complete 56 numbers of tower foundations in 230 KV Villianur-Bahour line.

Under **Sub-transmission schemes**, the following have been proposed:

- To energize 70 numbers of new distribution transformers of various capacities and to enhance 70 numbers of existing distribution transformers to higher capacities.
- To erect and commission 20.000 Kms of new HT lines and 70.000 Kms of new LT lines and to strengthen 9.000 Kms of existing HT lines and 25.000 Kms of existing LT lines.
- To energize 15 numbers of new HT industrial services and 125 numbers of new LT industrial services
- To effect 10000 numbers of new domestic services, 1100 numbers of new commercial Services, 45 numbers of new agricultural services and 700 numbers of new OHOB services.
- It is also proposed to energize 1000 numbers of new Street Lights.
- In addition, it is also proposed to lay 2.500 Kms of new HT cables and 30.000 Kms of new LT cables to convert 1500 numbers of OH services and 125 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 also proposed to procure additional computer systems and consumables and to upgrade the existing computer systems and to introduce the spot billing systems in Thavalakuppam and Vadamangalam areas. It is also proposed to computerize sub-urban collection centres.
- It is proposed to impart external training to 1 Nos of Officers and 5 Nos of staff and also to impart internal training to 30 Nos of Officers 36 Nos of staff.

PROPOSED TARGETS FOR 2010-11:

- In order to maintain reliable power supply in Puducherry region, it has been envisaged to commission the new 230 KV line between the proposed 400 KV sub-station and the existing Villianur 230 KV sub-station and Bahour 230 KV sub-substation, to facilitate drawal of power from the proposed 400 KV sub-station.
- To meet the growing power demand of Puducherry region, it is proposed to establish 230/110 KV Sub-station at Thondamanatham by June 2010.
- To meet out the power requirement of Puducherry town areas, it is proposed to establish 110/11 KV Sub-station at Vengatta Nagar and laying of 110 KV UG cables form Marapalam EHV Sub-station.
- Proposed to make all 110 KV transmission lines under Tie-up operation.
- Renovation and Modernisation works at Marapalam EHV Sub-station, Renovation and Modernisation of Capacitor banks in all EHV Sub-stations, Establishment of 110/22 KV Sub-station at Lawspet and associated 110 KV Bay works at Kurumbapet EHV Sub-station, Improvement works at Thirubuanai Sub-station, strengthening of 110 KV Villianur-Marapalam DC Line, already completed works of 110 KV Sederapet-Kurumbapet Lines and 110 KV Thirubuanai-Thethampakkam Lines.
- Proposed to energise 22/11 KV Sub-Station near Anandha Inn.
- Proposed to energise 100 numbers of new distribution transformers of various capacities and enhance the capacity of 85 numbers of existing distribution transformers.
- To erect 25 Kms of new HT lines and 100 Kms of new LT lines and also strengthen 7 Kms of existing HT lines and 50 Kms of existing LT lines.
- With the completion of the above, it is proposed to connect 10000 numbers of domestic services, 1300 numbers of commercial services, 50 numbers of agricultural services, 15 numbers of HT Industrial services, 150 numbers of LT Industrial Services and 1000 numbers of OHOB services.
- 1200 numbers of new Street lights were also proposed to be energized.
- It is also proposed to lay and energize 5 Kms of new HT cables and 50 Kms of new LT cables, to energise 7 Nos. of 11 KV distribution

transformers, to enhance 5 Nos. of distribution transformers under 11 KV distribution network.

- Also proposed to erect 10 Nos. of 11 KV Switch gears, 30 Nos. of Pillar boxes and to convert 2000 numbers of OH services and 150 numbers of OH Street light into U.G. cable system. Besides, erection of 10 numbers of SF6 switch gears, 3 numbers of Compact Sub-stations and erection of 3 numbers of 630 KVA distribution transformers.
- To give internal training to 30 officers and 40 staffs and to give external training to 10 officers and 5 staffs respectively.

OUTLAY AT A GLANCE

Sector : POWER
Department : ELECTRICITY

No. of Schemes : 25

(Rs. in lakh)

Eleventh Five Year Plan 2007-12 Outlay	:	52607.12
Annual Plan 2007-08 Actual Expenditure	:	4385.70
Annual Plan 2008-09 Actual Expenditure	:	4333.39
Annual Plan 2009-10 Approved Outlay	:	14859.00
Annual Plan 2009-10 Revised Outlay	:	5999.00
Annual Plan 2010-11 Proposed Outlay	:	12678.82

(Rs. in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-08	Annual Plan 2008-09	Annual Plan 2009-10		Annual Plan 2010-11
		Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Erection of 230/110 KV Sub-station with 2x80 MVA auto transformer at Bahour	365.00	42.53	62.64	66.00	66.50	68.50
2.	Providing additional primary main sub-station & EHT lines in the UT of Pondicherry.	2350.00	318.16	448.85	559.30	541.95	558.00
3.	Rationalisation and improvement of distribution in urban areas.	1950.00	144.99	206.67	334.30	370.50	313.50
4.	Conversion of HT overhead lines into UG cable system and formation of 11 KV RMS in Pondicherry.	538.12	128.58	180.74	136.40	202.00	277.00
5.	System improvement for reduction of transmission and distribution losses	2250.00	280.48	673.19	626.70	920.00	801.50

(Rs. in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-08	Annual Plan 2008-09	Annual Plan 2009-10		Annual Plan 2010-11
		Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
6.	Extension and development of power supply to industries	1725.00	142.38	307.73	347.80	400.50	427.50
7.	Extension and development of power supply to Agricultural Domestic, Commercial and Services.	1075.00	228.57	423.34	482.40	763.15	596.00
8.	Extension and development of power supply to EWS and street lights.	1865.00	255.29	324.77	405.60	471.50	512.50
9.	Upgradation of existing primary Main SS and providing new primary main SS and EHT lines in the UT of Pondicherry	12386.00	706.28	649.01	489.65	597.50	4276.00
10.	Modernization of billing methods development and e-governance initiatives	471.00	48.59	39.30	39.75	67.00	92.50
11.	Providing communication network for the Electricity Department	25.00	3.71	3.95	4.00	1.00	5.00
12.	Establishment of computer based system monitoring centre at Pondicherry.	3300.00	526.98	530.95	626.33	648.00	744.50
13.	Research and development - setting up of standard laboratory.	325.00	56.87	83.87	133.72	124.50	120.50
14.	Formation of Electrical inspectorate and licensing board for Pondicherry.	1.00	0.10	0.10	0.10	0.10	0.10

(Rs. in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-08	Annual Plan 2008-09	Annual Plan 2009-10		Annual Plan 2010-11
		Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
15.	Rural Electrification (BNP)	275.00	54.00	55.00	55.00	55.00	55.00
16.	Human Resources and Development	30.00	3.29	1.60	4.00	4.00	5.00
17.	Providing meters for all consumers under 100% metering programme.	894.00	13.18	23.09	40.80	247.50	661.50
18.	Establishment of third 230 KV Sub-station at Pondicherry.	3102.00	754.00	253.24	256.85	268.00	11.00
19.	Erection of 230 KV lines from Villianur 230 KV sub-station to the proposed 230 KV sub-station	1688.00	547.72	5.35	--	--	2.00
20.	Creation of infrastructural facilities in Tsunami affected areas	300.00	130.00	60.00	250.00	250.00	55.00
21.	Modernization and augmentation of 11 KV Ring Main System in Urban areas of Puducherry	2400.00	--	--	--	--	--
22.	Establishment of 230 KV S.S. at Karaikal	3710.00	--	--	0.10	0.10	0.10
23.	Erection 230 KV lines for the proposed 230 KV SS at Karaikal	4000.00	--	--	0.10	0.10	0.10
24.	Establishment of Gas Power Plant at Yanam	7582.00	--	--	0.10	0.10	0.10
25.	Negotiated Loan	--	--	--	10000.00	--	3095.92
Total		52607.12	4385.70	4333.39	14859.00	5999.00	12678.82