

POWER

There is no major power Generation in this Union Territory of Pondicherry. However the Pondicherry Power Corporation has established a 32.50 MW Combined Cycle Gas Power Plant at Karaikal and power thus generated is being utilized by Karaikal region only.

Constitution of JERC

In exercise of provisions under section (83) of the Electricity Act 2003, the Ministry of Power, Government of India has constituted the Joint Electricity Regulatory Commission for the State of Goa and UTs (JERC) during the year 2005, to have regulatory oversight on the Electricity Generation, Transmission and Distribution business undertaken within the State of Goa and UTs.

Function of JERC

The JERC shall determine the tariff for generation, supply, transmission and wheeling of Electricity, wholesale, bulk or retail as the case may be within the constituents State / UT and shall specify / enforce standards with respect to quality, continuity and reliability of service by power distribution utility, in addition to discharge of such other functions as assigned to it under Electricity Act 2003.

Notification of Regulations

In order to discharge its functions the commission in exercise of power conferred under section 181 of the Electricity Act 2003, notified various regulations (listed below) and the power utilities operating in the State of Goa and UTs shall have to comply with the directions contained therein in the regulations so notified by the Commission.

S.No.	JERC Notification, dated	Regulation Subject
1.	No.JERC-01/2009/30.07.2009	Conduct of Business
2.	No.JERC-02/2009/30.07.2009	Recruitment Control and Service condition
3.	No.JERC-03/2009/31.07.2009	Appt. & Functioning of Ombudsman
4.	No.JERC-04/2009/31.07.2009	Setting up of CGRF
4a.	No.6/2/2009-JERC/22.10.2009	Corrigendum to Notification No.JERC-04/2009/31.07.2009
5.	No.JERC-05/2009/18.12.2009	Treatment of other Business of licensees
6.	No.JERC-06/2009/18.12.2009	Standards of Performance
7.	No.JERC-07/2009/18.12.2009	State Advisory Committee
8.	No.JERC-08/2009/11.02.2010	Appointment of Consultants

S.No.	JERC Notification, dated	Regulation Subject
9.	No.JERC-09/2009/11.02.2010	Open access in Tr. & Dr. System
10.	No.JERC-10/2009/11.02.2010	T & C for determination of tariff
11.	No.JERC-11/2010/19.05.2010	Electricity Supply Code
12.	No.JERC-12/2010/04.08.2010	State electricity Grid Code
13.	No.JERC-13/2010/05.08.2010	Electricity Trading

Aggregate Revenue Requirement for the year 2009-10

In pursuance of the provisions in the Electricity Act 2003 and the Regulations of the JERC, the Electricity Department, Puducherry, had filed the petition for Aggregate Revenue Requirement (ARR) and determination of tariff for bulk and retail supply of Electricity in UT of Puducherry for the year 2009-10 before JERC. Accordingly the JERC was pleased to approve and notify the tariff order for the year 2009-10 on 05.02.10 and the new tariff rates have been implemented with effect from 20.02.10.

Petition filed before JERC for PPCA approval

In order to recover the increase in cost of purchase of power due to increase in fuel and other charges, incurred by the EDP during the past six months, the EDP has filed a petition before JERC for approval, to pass on the Power Purchase Cost Adjustment (PPCA) to the consumers. The petition is under consideration of JERC. Subject to approval by JERC to pass on the PPCA to the consumers, the EDP may fetch additional revenue. However the actual amount of additional revenue could be ascertained only at the time of realisation.

ACHIEVEMENTS DURING 2009-10

Renovation and modernisation works were carried out in Villianur 110/22 KV Sub-station. To meet the growing power demand of Puducherry region, establishment of 230/110 KV sub-station at Thondamanatham was entrusted to PGCIL and the firm has completed tower foundation work at 230 KV side and at 110 KV side one fourth of the work were completed, Power transformer plinth construction work completed, control room construction work is under progress and Insulators and batteries were received at site. In respect of straining of 230 KV lines, 53 out of 56 numbers of tower foundation works for LILO of Villianur-Bahour line were completed, 3 out of 19 tower foundation work in respect of 230 KV Ramanadhapuram-Thondamanatham Line-I and 9 out of 16 tower foundation work in respect of Line-II, were completed.

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

- 61 numbers of new distribution transformers of various capacities were commissioned and 36 numbers of existing distribution transforms were enhanced into higher capacities.
- 17.750 Kms of new HT lines and 80.234 Kms of new LT lines were energized, while 9.279 Kms of existing HT lines and 34.367 Kms of existing LT lines were strengthened.
- With the erection of new lines and strengthening of existing lines, 15 numbers of new HT Industrial services, 76 numbers of new LT industrial services and 33 numbers of water tank services were energized.
- In addition, 10116 numbers of new domestic services, 942 numbers of new commercial services, 48 numbers of new Agricultural services, 107 numbers of new OHOB services were effected.
- 589 numbers of new Street Lights were energised and 214 numbers of existing Street Lights were converted, during this year.
- Apart from the above, 3.079 Kms of HT UG cables and 26.345 Kms of LT UG cables were laid to convert 592 numbers of OH services and 95 numbers of OH Street lights into UG cable system. Further 2 numbers of existing 11 KV distribution transformers were enhanced into higher capacities under 11 KV UG cable system.
- To carry on the computerization activity, computer consumables were also procured.

LIKELY ACHIEVEMENTS DURING 2010-11

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

- Land acquisition programme is under process for the establishment of new EHV sub-station at Lawspet.
- Renovation and Modernisation works to be carried out in Villianur 110/22 KV Sub-station.
- Payments to be made to various agencies for the establishment of 110/11 KV Vengatta Nagar Sub-station, strengthening of Bahour-Villianur line, acquisition of lands for the establishment of new Sub-station, providing of bore well at Korkadu Sub-station and supply of spares for the Adavipolam Sub-station.

- For the establishment of 230/110 KV Sub-station at Thondamanatham, equipment foundation work and tower foundation work are anticipated to be completed and all equipments and panel erection work at control room and wiring work on 230 KV and 110 KV side are also anticipated to be completed.
- LILO of 230 KV Villianur-Bahour line was energised on 20.9.2010 and brought into service. The balance tower foundation work in 230 Line I & II and line stringing work are anticipated to be completed.

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

- To energize 65 numbers of new distribution transformers of various capacities and to enhance 70 numbers of existing distribution transformers to higher capacities.
- To erect and commission 18.000 Kms of new HT lines and 60.000 Kms of new LT lines and to strengthen 5.000 Kms of existing HT lines and 25.000 Kms of existing LT lines.
- To energize 10 numbers of new HT industrial services and 110 numbers of new LT industrial services
- To effect 8500 numbers of new domestic services, 1000 numbers of new commercial Services, 35 numbers of new agricultural services and 600 numbers of new OHOB services.
- It is also proposed to energize 500 numbers of new Street Lights.
- In addition, it is also proposed to lay 2.000 Kms of new HT cables and 30.000 Kms of new LT cables to convert 700 numbers of OH services and 100 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.
- Construction of O&M office building at Bahour and additional building to accommodate Bill collection centre at Electricity office, Yanam.

PROPOSED TARGETS FOR 2011-12:

- In order to maintain reliable power supply in Puducherry region, it has been envisaged to commission the new 230 KV line I & II between the proposed 400 KV sub-station and the proposed Thondamanatham 230 KV sub-station 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/commission the 230/110 KV Sub-station at Thondamanatham.
- To meet the power requirement of Puducherry town areas, it is proposed to establish a new 110/11 KV Sub-station at Vengatta Nagar and laying of 110 KV UG cables from Marapalam EHV Sub-station.
- Completion of the Renovation and Modernisation works at Villianur 110/22 KV Sub-station.
- Strengthen the 110 KV Villianur-Bahour line.
- Augmentation of 110/22 KV Kurumbapet Sub-station by erecting an additional 25 MVA Power Transformer.
- Renovation and Modernisation works are to be carried out in Marapalam, Thirubuanai and Sorakudi EHV Sub-stations.
- Acquisition of lands for the establishment of Lawspet and Thavalakuppam EHV Sub-station and additional lands for Kurumbapet EHV Sub-stations.
- Commencement of preliminary works for the erection of 110/22 KV Lawspet and Thavalakuppam EHV Sub-stations.
- Commencement of preliminary works for the erection of 110/11 KV Sub-station with associated 110 KV line for Polagam Sub-station.
- It is proposed to make payment to PGCIL for the augmentation works at Kurumbapet EHV Sub-station, Renovation and Modernisation works at Villianur, Marapalam, Thirubuanai and Sorakudi EHV Sub-stations, Renovation and Modernisation of Capacitor banks in all EHV Sub-stations, Establishment of 110/22 KV Sub-station at Lawspet and Thavalakuppam, strengthening of 110 KV Villianur-Marapalam Line, erection of 110 KV line for Polagam Sub-station and for the establishment of 110/11 KV Vengatta nagar Sub-station and Bay extension of the existing Marapalam EHV Sub-station and laying of 110 KV UG cable between the above Sub-stations.

- It is proposed to energise 50 numbers of new distribution transformers of various capacities and enhance the capacity of 50 numbers of existing distribution transformers.
- To erect 7.000 Kms of new HT lines and 50.000 Kms of new LT lines and also strengthen 4.000 Kms of existing HT lines and 25.000 Kms of existing LT lines.
- With the completion of the above, it is proposed to connect 10000 numbers of domestic services, 1000 numbers of commercial services, 40 numbers of agricultural services, 15 numbers of HT Industrial services, 110 numbers of LT Industrial Services and 500 numbers of OHOB services.
- 50 numbers of new Street lights were also proposed to be energized during this period.
- It is also proposed to lay and energize 3.000 Kms of new HT cables and 30.000 Kms of new LT cables, to energise 5 Nos. of 11 KV distribution transformers, to enhance 5 Nos. of distribution transformers under 11 KV distribution network. Besides, it is proposed to erect 10 Nos. of 11 KV Switch gears, 15 Nos. of Pillar boxes and to convert 700 numbers of over head services and 100 numbers of over head Street lights into under ground cable system.
- It is also proposed to implement various projects under R-APDRP scheme, establishment of Call centre for attending fuse off call complaints round the clock under R-APDRP scheme, Development of Intra departmental Intranet pages within the department, introduction of spot billing system in parts of Kirumampakkam, Kariamankkam and Bahour areas, Computerisation of sub-urban collection centres and finalisation of AMC for computer systems and UPS units.
- Providing of metering arrangements in distribution transformers and street light services.
- Providing of remote access facilities for down loading datas from the meters installed in sub-stations, EHT/HT consumers.
- Replacement of electro mechanical meters into static meters in the existing services.
- To maintain reliability of the supply and to meet growing demand of power and domestic and commercial consumers in the urban areas of Puducherry, the existing 11 KV Ring Main System has been proposed to be modernized with the installation of Compact Sub-station and replace the existing oil Switch gears with compact VCBs.
- Construction of O&M office building at Bahour, renovation of Electricity Main office building, storage room and cycle shed at Karaikal Electricity office additional office building to accommodate Bill collection centre at Electricity office at Yanam.

OUTLAY AT A GLANCE

Sector : POWER
Department : ELECTRICITY

No. of Schemes : 24

(₹ in lakh)

Eleventh Five Year Plan 2007-12 Approved Outlay	:	52607.12
Annual Plan 2007-09 Actual Expenditure	:	8719.09
Annual Plan 2009-10 Actual Expenditure	:	5997.99
Annual Plan 2010-11 Approved Outlay	:	12800.00
Annual Plan 2010-11 Revised Outlay	:	7450.00
Annual Plan 2011-12 Proposed Outlay	:	12850.00

(₹ in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-09	Annual Plan 2009-10	Annual Plan 2010-11		Annual Plan 2011-12
		Approved 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	105.17	72.59	80.00	90.00	80.00
2.	Providing additional primary main sub-station & EHT lines in the UT of Pondicherry.	2350.00	767.01	567.52	588.25	647.00	600.00
3.	Rationalisation and improvement of distribution in urban areas.	1950.00	351.66	342.64	280.00	260.00	280.00

(₹ in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-09	Annual Plan 2009-10	Annual Plan 2010-11		Annual Plan 2011-12
		Approved Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
4.	Conversion of HT overhead lines into UG cable system and formation of 11 KV RMS in Pondicherry.	538.12	309.32	154.40	202.00	215.00	200.00
5.	System improvement for reduction of transmission and distribution losses	2250.00	953.67	640.30	681.00	645.00	681.00
6.	Extension and development of power supply to industries	1725.00	450.11	356.06	377.25	290.00	363.90
7.	Extension and development of power supply to Agricultural Domestic, Commercial and Services.	1075.00	651.91	488.51	546.75	550.00	550.00
8.	Extension and development of power supply to EWS and street lights.	1865.00	580.06	376.16	451.15	325.00	450.00
9.	Upgradation of existing primary Main SS and providing new primary main SS and EHT lines in the UT of Pondicherry	12386.00	1355.29	605.95	576.00	808.60	619.00

(₹ in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-09	Annual Plan 2009-10	Annual Plan 2010-11		Annual Plan 2011-12
		Approved Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
10.	Modernization of billing methods development and e-governance initiatives	471.00	87.89	39.75	42.00	55.00	42.00
11.	Providing communication network for the Electricity Department	25.00	7.66	0.99	5.00	1.00	2.50
12.	Establishment of computer based system monitoring centre at Pondicherry.	3300.00	1057.93	645.27	600.00	595.00	600.00
13.	Research and development - setting up of standard laboratory.	325.00	140.74	127.58	160.00	160.00	160.00
14.	Formation of Electrical inspectorate and licensing board for Pondicherry.	1.00	0.20	0.10	0.10	0.10	0.10
15.	Rural Electrification (BNP)	275.00	109.00	55.00	55.00	60.00	60.00
16.	Human Resources and Development	30.00	4.89	3.39	2.00	2.80	5.00

(₹ in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-09	Annual Plan 2009-10	Annual Plan 2010-11		Annual Plan 2011-12
		Approved Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
17.	Providing meters for all consumers under 100% metering programme.	894.00	36.27	25.46	42.00	45.00	45.00
18.	Establishment of third 230 KV Sub-station at Pondicherry.	3102.00	1007.24	1246.32	11.10	0.10	11.10
19.	Erection of 230 KV lines from Villianur 230 KV sub-station to the proposed 230 KV sub-station	1688.00	553.07	--	0.10	0.10	0.10
20.	Creation of infrastructural facilities in Tsunami affected areas	300.00	190.00	250.00	--	--	--
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

(₹ in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-09	Annual Plan 2009-10	Annual Plan 2010-11		Annual Plan 2011-12
		Approved Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
24.	Establishment of Gas Power Plant at Yanam	7582.00	--	--	0.10	0.10	0.10
	Negotiated Loan	--	--	--	8100.00	2700.00	8100.00
Total		52607.12	8719.09	5997.99	12800.00	7450.00	12850.00