



BEFORE THE HONOURABLE
KERALA STATE ELECTRICITY REGULATORY COMMISSION

PETITION IN THE MATTER OF APPROVAL OF
**AGGREGATE REVENUE
REQUIREMENT AND EXPECTED
REVENUE FROM TARIFF AND
CHARGES (ARR & ERC) FOR 5 YEAR
CONTROL PERIOD FROM 01.04.2022**

SUBMITTED BY
COCHIN PORT TRUST
WILLINGDON ISLAND
COCHIN-682 009



FORM 1
[See Regulation 24(3)]

BEFORE THE KERALA STATE ELECTRICITY REGULATORY COMMISSION

PETITION NO:

IN THE MATTER OF:

PETITION FOR APPROVAL OF AGGREGATE REVENUE REQUIREMENT AND
EXPECTED REVENUE FROM TARIFF AND CHARGES (ARR & ERC) FOR 5 YEAR
CONTROL PERIOD FROM 01.04.2022

APPLICANT:

COCHIN PORT TRUST
WILLINGDON ISLAND
COCHIN - 682 009



SENIOR ACCOUNTS OFFICER
COCHIN PORT TRUST

FORM 2
[See Regulation 24(5)]

BEFORE THE KERALA STATE ELECTRICITY REGULATORY COMMISSION

PETITION NO:

IN THE MATTER OF:

PETITION FOR APPROVAL OF AGGREGATE REVENUE REQUIREMENT AND EXPECTED REVENUE FROM TARIFF AND CHARGES (ARR & ERC) FOR 5 YEAR CONTROL PERIOD FROM 01.04.2022

APPLICANT:

COCHIN PORT TRUST
WILLINGDON ISLAND
COCHIN - 682 009

AFFIDAVIT VERIFYING THE PETITION


1. I, Surya Madhu, am the Senior Accounts Officer, Cochin Port Trust, the petitioner in the above matter and am duly authorized to file the petition on behalf of the Chairperson, Cochin Port Trust to make this affidavit on its behalf.
2. The petition /application herein now shown to me are true to my knowledge and the statements made are based on information received and I believe them to be true.

Solemnly affirmed at Kochi on this day of 19th Day of January, 2022 that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed therefrom.


Senior Accounts Officer
Cochin Port Trust.

Solemnly affirmed and signed before me




19/1/2022
M. MONCY JACOB
ADVOCATE & NOTARY
CC. 39/6/07 D,
APPAL CROSS ROAD, KOCCHI

FORM 3
[See Regulation 25(2)]

KERALA STATE ELECTRICITY REGULATORY COMMISSION
THIRUVANANTHAPURAM

No.

Dated.....

Sub:- Petition under Chapter –III of Kerala State Electricity Regulatory Commission
(Conduct of Business) Regulations, 2003.

In the matter of Petition for Approval of Aggregate Revenue Requirement and
Expected Revenue from Tariff and Charges (ARR & ERC) for 5 year control period from
01.04.2022

Dear Sir(s)

I am directed to refer to your petition /application dated 30.11.2021 filled onthe
above subject and to inform you that on scrutiny the following defects are observed.

1. The petition is not in the form prescribed in chapter III of KSERC (CB) Regulations, 2003.
2. The name , description and address of the parties have not been furnished in the case title .
3. The following concerned parties have not been impleaded.
 - (a)
 - (b)
 - (c)
4. The petition has not been duly signed.
5. The petition has not been verified through an affidavit.
6. The affidavit is not in the prescribed Form 2 attached to the KSERC (CB) regulations 2003.
7. The affidavit has not been signed and sworn before the competent authority.
8. Six copies of the petition has not been filed.
9. The copies of the petition are not complete in all respects.
10. The copies of the documents are not legible and duly signed.
11. English /Malayalam translation of the documents and other materials in a language other than English / Malayalam has not been filed.
12. Authenticity of English /Malayalam translation of the documents has not been furnished.
13. The vakaltnama /letter of authorization has not been filed. The prescribed fee for the petition /application has not been paid.
14. The prescribed fee for the petition /application has not been paid.
- 15.
- 16.
- 17.

Yours faithfully

FORM 4
[see Regulation 30(1)]

BEFORE THE KERALA STATE ELECTRICITY REGULATORY COMMISSION

PETITION NO:

IN THE MATTER OF:

PETITION FOR APPROVAL OF AGGREGATE REVENUE REQUIREMENT AND EXPECTED REVENUE FROM TARIFF AND CHARGES (ARR & ERC) FOR 5 YEAR CONTROL PERIOD FROM 01.04.2022

APPLICANT:

**COCHIN PORT TRUST
WILLINGDON ISLAND
COCHIN - 682 009**

I, Surya Madhu, working as Senior Accounts Officer of Cochin Port Trust having been authorized by the Chairperson, Cochin Port Trust (furnish particulars of person authorizing), hereby enter appearance on behalf of Cochin Port Trust and undertake to plead and act for him/her in all matters of the aforesaid case.

Place: Cochin - 9

Date: 30.01.2022

31


Senior Accounts Officer
Cochin Port Trust

Address for correspondence

**SENIOR ACCOUNTS OFFICER
COCHIN PORT TRUST,
WILLINGDON ISLAND,
COCHIN – 682 009.**

*Authorization should duly be attached with this letter.



കൊച്ചിൻ പോർട്ട് ട്രസ്റ്റ്
വിലിംഗ്ടൺ ഐലന്റ്, കൊച്ചി - 682 009
कोच्चिन पोर्ट ट्रस्ट
विलिंगडन आईलन्ड कोच्चिन - 682 009 भारत
COCHIN PORT TRUST
WILLINGDON ISLAND, COCHIN - 682 009, INDIA

No. FD/Costing/ KSERC/ ARR-ERC/2021

Dated: 28.01.2022

AUTHORIZATION

I hereby authorize Smt. Surya Madhu, Senior Accounts Officer of Cochin Port Trust, whose signature is attested below, for filing petition before KSERC for Aggregate Revenue Requirement and Expected Revenue from Tariff and Charges (ARR & ERC) for 5 year control period from 01.04.2022.


Signature of
Smt.Surya Madhu
Senior Accounts Officer
Cochin Port Trust.


Chairperson
Cochin Port Trust

Telephone : (Off) +91 (0484) 2668200, 2582002, Fax : +91 (0484) 2668163

www.cochinport.gov.in | email : chairman@cochinport.gov.in



No.FD/Costing/KSERC/ARR-ERC/2021

Dated: 08.02.2023

To

The Secretary,
Kerala State Electricity Regulatory Commission,
K.P.F.C. Bhavan,
C.V.Raman Pillai Road,
Vellayambalam,
Thiruvananthapuram – 695 010.

Sir,

Sub: - Filing of ARR-ERC Petition for the year 2022-23 to 2026-27 – reg.

This has kind reference to your letter no 581/con(F)/2022/kserc/1058 dated 14.12.2022 regarding submission of revised estimates in the ARR &ERC petition for the 5 year MYT control period 2022-23 to 2026-27 based on the Tariff order dated 25.06.2022.. A brief Note highlighting the features of the ARR-ERC petition has been accordingly revised.

It is requested that the Hon'ble Commission may kindly approve the same.

Yours faithfully,


(Surya Madhu)
Sr. Accounts Officer

Encls: 1. Write up on ARR-ERC petition for the control period 2022-23 to 2026-27

COCHIN PORT TRUST

AGGREGATE REVENUE REQUIREMENT AND EXPECTED REVENUE FROM TARIFF AND CHARGES (ARR & ERC) FOR 5 YEAR CONTROL PERIOD FROM 01.04.2022

I. Introduction

- (a) Cochin Port Trust (CoPT) is a Deemed Distribution Licensee under Electricity Act 2003 for the distribution of electricity at Willingdon Island and Vallarpadam&Puthuvypin area. CoPT is doing the Electricity Distribution business simultaneously with Port activities for the smooth functioning of Port services from the era of erstwhile Maharaja of Kochi. CoPT had executed PPA with M/s KSEBL for the supply of 6.5 MVA, 110 kV supply at W.Island and 3 MVA, 11 kV power at Vallarpadam and Puthuvypin. CoPT is supplying quality and reliable power to its consumers by taking up timely up-gradation of distribution infrastructure, and performing 24X365 days customer service. CoPT had also implemented various energy efficient programmes for the conservation of electricity. Action is being taken to conduct Energy Audit through Accredited Energy Auditors as per BEE norms. CoPT complies with the Standards of Performance and Reliability Index norms stipulated by KSERC. CoPT is an ISO 9001-2015 Port and Electrical division is always getting "Very Good" performance from Quality monitoring feedback for proving Electricity Supply to the consumers.
- (b) CoPT had successfully implemented SMART metering arrangements during the FY2019-20 under the projects of IPDS, Ministry of Power, Govt. of India. Project cost was Rs1.57 Crores with 60% grant amounting to 0.91 Crores from Ministry of Power. All consumers in W. Island and Vallarpadam are covered under SMART metering arrangement. Metering, billing and accounting is fully automated with Advanced Metering Infrastructure (AMI) scheme and CoPT had achieved 100% efficiency in metering and billing. This has resulted in lesser man power and lesser employee cost for metering, billing and accounting. Automatic disconnection of L.T power supply can also be done through the system
- (c) CoPT's next mission is to upgrade the power distribution system at Vallarpadam and Puthuvypin to 110 kV to cater the future demands of Major stakeholders like M/s D.P World, M/s IOCL and M/s Petronet- LNG. Power requirement at Vallarpadam and PuthuVypin is about 30 MVA by 2027. The matter has already been taken up with M/s KSEBL and KSEBL has given in principle approval for providing 110 kV supply subject the approval of Hon'ble Commission. Estimate cost of the project is Rs.100 Crores. CoPT proposes to take up the project on cost sharing basis from the major stake holders.



- (d) An immediate requirement of 3 MVA power at 11 kV through 2 nd 11 kV feeder for meeting the power demand for Phase -II project of M/s IOCL – LPG Import Terminal at Puthuvyppeen is also being taken up with M/s KSEBL subject to the approval of Hon'ble Commission. The formal estimate amount for the same is expected from M/s KSEBL by the end of February 2022.
- (e) Ministry of Ports, Shipping and Waterways emphasis the need for transforming the Major Ports to GREEN PORTS. Solarisation of Major Ports and providing Shore Power supply to the vessels calling at Indian Ports are the main agenda for transforming the Ports to Green Ports. CoPT has already undertaken such green initiatives and commissioned solar plants and arranged shore power facilities in W. Island. LOA issued for 1.5 MWp Floating Solar power plant on RESCO –BOOT model. This is one of the prominent projects of CoPT as it is the first floating solar initiative among Major Ports. CoPT is proposing few more solar projects towards solarisation Ports and to achieve the RPO obligation as per KSERC Regulations. Port is also encouraging the solar projects of the consumers in W.Island and Vallarpadam. But grid connectivity with Seller Licensee is the bottleneck for implementing more solar projects. Providing shore power supply to the Cruise Vessels calling at Cochin is the next mission of CoPT towards Green Port. CoPT propose to provide necessary infrastructure for 8 MVA, 11kV, 60 Hz shore power supply facilities in the International Cruise Passenger Terminal "Sagarika" inside Ernakulam Wharf by FY 2024. The fund for the project is expected from the projects under Sagarmala of MoPSW, in Maritime India Vision (MIV) 2030 Scheme.
- (f) CoPT had successfully completed various projects through IPDS project funded by Ministry of Power, Govt. of India. Project amounting to Rs5.31 Crores have been completed using IPDS fund. CoPT propose to take up few more projects through Revamped Distribution Sector Scheme (RDSS) of Ministry of Power, Government of India , which seeks to improve the operational efficiency and financial sustainability of DISCOMS. New projects like Providing shore power supply to vessels, Implementing SCADA /RTDAS, Replacement of old transformers with star rated transformers, Replacement of OH lines with LT AB cables and UG cables, New RMUs for back up supply etc. are envisaged through RDSS during the control period from 2023-24 to 2026-27.
- (g) SMART lighting system at W. Island is also being proposed through Sagarmala MIV 2030 scheme .
- (h) This application is for the approval of ARR & ERC and proposed capital investment plan for the Distribution of power supply for the control period from FY 2022-23 to FY 2026-27 in compliance with Regulation 10: Filing under the Multi-Year Tariff (MYT)of KSERC (Terms and Conditions for Determination of Tariff) Regulations 2021.



II. Summary of ARR & ERC for the control period

(Rs. in Lakhs)

Particular	2021-22 (Estimates)	2022-23 (Projection)	2023-24 (Projection)	2024-25 (Projection)	2025-26 (Projection)	2026-27 (Projection)
Cost of own power generation/power purchase	2,447.20	2,727.50	3,005.85	3,456.55	4,324.80	4,996.90
Employee Expenses	854.77	967.46	863.97	808.17	802.09	738.85
Administration & General Expenses	71.73	74.81	77.68	80.69	83.84	95.61
Repair & Maintenance Expenses	30.94	32.32	33.76	35.26	36.83	38.47
Depreciation	189.37	128.41	135.33	121.99	150.94	145.47
Interest and finance charges on long term loans	357.65	315.47	275.44	254.84	212.59	166.87
Interest on Working Capital	9.56	17.68	21.85	28.59	50.74	58.95
Interest on consumer security deposits and deposits from Users of the distribution system	23.52	23.52	23.52	23.52	23.52	23.52
Total Revenue Expenditure	3,984.73	4,287.16	4,437.41	4,809.61	5,685.36	6,264.65
Return on Equity /Net Fixed Assets	67.02	112.46	112.11	114.57	146.63	144.93
Aggregate Revenue Requirement	4,051.75	4,399.63	4,549.52	4,924.17	5,832.00	6,409.58
Less: Other Income & non-Tariff income	36.73	36.73	36.73	36.73	36.73	36.73
Net Aggregate Revenue Requirement from Retail Tariff	4,015.03	4,362.90	4,512.79	4,887.45	5,795.27	6,372.85
Revenue from sale of power	3,292.80	3,775.78	4,103.65	4,578.24	6,055.95	6,628.10
Net Revenue gap/ Surplus (20-19)	-722.23	-587.12	-409.14	-309.21	260.67	255.25

III. Revenue from sale of Power

During the year 2019-20, total sale was Rs.3,342.39 Lakhs. However during the year 2021-22, the sales expected to be Rs.3,292.80 Lakhs thereby showing a reduction of 1.48%, which is due to impact of Covid-19 pandemic and subsequent lockdown imposed by the State/Central Govt. For the subsequent years of the control period, Port expects an increase in the sales as Port has received requests from major stakeholders at Vallarpadam and Puthuvypeen.

IV. Non Tariff Income

Non tariff income consists of Interest on Port's electricity Security Deposit held with KSEB which is adjusted against purchase of electricity and Interest on Fixed Deposit maintained with banks which is deposited out of security deposits remitted by Port's consumers.

In the Truing order dated 21.06.2021 for the year 2019-20, Hon'ble Commission has approved an amount of Rs.281.91 lakhs as non-tariff income considering the

interest on accumulated surplus arrived by the Commission. The Hon'ble Commission may please note that the accumulated surplus arrived by the Commission is purely notional and the interest added back is also notional. CoPT is not able to recoup the actual employee cost and other overheads of Electricity Distribution Business. Hence it is kindly requested to the Hon'ble commission to review the interest on surplus funds added by the Commission and approve the non-tariff income provided in the ARR-ERC petition.

V. Purchase of Electricity

CoPT is purchasing electricity from M/s KSEBL, Seller Licensee in Bulk supply tariff. PPA with KSEBL is for 6.5 MVA, 110 kV power at W. Island and 3 MVA, 11 KV at Vallarpadam and Puthuvypin. As stated in para 3 & 4 CoPT propose to purchase 20-30 MVA power from M/s KSEBL by 2026-27 for meeting the additional / new power requirement of the major stakeholders at Vallarpadam and Puthuvypin. Immediate requirement of 3 MVA, 11 kV power through 2nd 11 KV feeder at Puthuvypin is also anticipated in the year 2022-23.

VI. Capital Investment Plan of CoPT

i) Anticipated load enhancement / new supply at W.Island and Vallarpadam for the next control period is furnished below.

Sl. No	Name of consumers	Load demand	Year in which power is required
1	Enhancement of load to M/s Cochin Shipyard for their International Ship Repair Facility (ISRF) at Willingdon island.	1.5 MVA	2022-2023
		1.5MVA	2023-2024
2	New Supply to M/s. Indian Oil Corporation Ltd. for their LPG Import Terminal at Puthuvypin.	3 MVA	2022-2023
3	New supply to M/s Malabar Cements Ltd for their Bulk Cement Handling Plant at Willingdon island.	0.75 MVA	2023-2024
4	Enhancement of load to M/s. DP world at Vallarpadam for proposed expansion of container handling equipments, reefer power points and shifting yard crane supply to electrical supply from the D.G supply .	1.5 MVA	2023-2024
		1.5 MVA	2024-2025
5.	Providing shore supply to vessels at Willingdon Island..	8 MVA	2024-2025

Works as per serial no. 1 to 4 are proposed through consumer contribution.

ii) Capital investment through RDSS Scheme of MoP :

Keeping in mind the importance of continual up-gradation and creation of additional infrastructure for electricity distribution network, CoPT propose to

take up few infrastructure development projects with financial assistance of Ministry of Power, Govt. of India under Revamped Distribution Sector Scheme (RDSS). CoPT envisages 24 X 365 days quality and reliable power for all through modernization of existing Electrical distribution system. Further reduction of AT&C loss is expected on completion of RDSS/. As per the scheme, Ministry of Power shall extend 60% of the project cost as grant in aid and 40 % of project cost shall be met from CoPT's own funds.

The following works are proposed in RDSS Scheme.

- (a) Strengthening of distribution network by replacement of old Air Break RMU's units with SF6 RMU's for trouble free operation, redundancy of supply etc..
- (b) Laying of new HT / LT/ AB cables for redundancy of supply in the existing distribution and for extending better service to the consumers / cater the power demand of consumers.
- (c) Replacing old transformers with new energy efficient transformers for reducing the distribution losses.

Description of work and estimated cost of the works as per RDSS Scheme for the next control period is as follows.

S.N	Project	Qty	Estimate Cost Rs in Lakhs (Port share)	Expected year of Commissioning	Remarks
1	Providing new HT cable to the new load centre at Willingdon Island and Vallarpadam/ Puthuvypin in phased manner .	10 KM	163	2023-24 2025-26	RDSS work
2	Replacing of old HT cable to the new load centre at Willingdon in phased manner.	2KM	27	2023-24	RDSS work
3	Replacing of OH lines with AB cables and UG cables in phased manner	9.9KM	75	2022-23 2024-25 2025-26	RDSS work
4	11 KV Bay extension	1 No	8	2023-24	RDSS work
5	DT metering		6		RDSS work
6	Replacement of Old, HT oil switches/ VCB panels unit , LT panels etc.	2 sets	55	2022-23	Port Fund
7	Replacement of OLD LT /HT and old UG Cables	2KM	35	2023-24	RDSS work
8	Installation of star rated Distribution transformer in phased manner	22 Nos	128	2022-23 2023-24 2024-25	RDSS work and port projects
9	Replacement of old RMU and new addition in phased manner	22 Nos	52	2022-23 2024-25	RDSS work and port projects

9	RTDAS	set	64	2025-26	RDSS work
10	Providing shore supply to cruise and other cargo vessels etc		540	2024-25	Shore supply to vessels
	Total in lakhs		1153		

The asset addition in connection with improvement of Electrical system as stated above is including the Port's own projects. For RDSS projects 60% of the project cost will be funded by Ministry of Power and balance amount 40% will have to be met from CoPT's internal resources. Following objectives are achieved on completion of the above projects.

- Improvement in the reliability of the power supply
- Reduction of AT&C Losses in the distribution system
- Reliable electricity access to all areas.
- Improvement in network planning and monitoring of the electrical distribution system.
- Improvement in quality of supply like voltage level, PF etc
- Prompt and effective services to the consumers

VII. Solarization of Ports

- As stated in para I(5), CoPT is setting up solar power projects to promote solar generation in Port area in line with the policy of the Ministry Ports , Shipping and Waterways and moreover to comply with the RPO obligations as per KSERC (Renewable Energy and Net Metering) Regulations 2020. Vacant land areas of Port, roof top of residential / Office buildings, water body areas have been identified for solar projects.
- CoPT has already commissioned 250 kWp solar power plant. Ongoing / proposed solar projects envisaged during next Control Period is listed below.

S.N	Location	Capacity	Project cost (Rs. In crores)	Expected year of Commissioning
1	1.5 MWp Floating Solar power plant at W. Island RESCO model BOOT	1500 kWp	6.8	2022-23 (On going)
2	Roof top Solar power plant at W. Island through SECL, RESCO model BOOT	350 kWp	1.57	2022-23
3	2 MWp Ground mounted solar power plant at Vallarpadam, RESCO model BOOT	2000 kWp	8	2026-27

- (iii) In addition to the above, CoPT has allowed grid connectivity and net metering facility for the solar plants of the Consumers in W. Island and Vallarpadam. M/s D.P World, International Container Terminal Operator at Vallarpadam has installed 830 kWp solar plant and the same will be commissioned by February 2022. Three more consumers had already started solar generation, totalling to 190 kWp. It is expected to achieve RPO targets on commissioning the ongoing solar projects.

VIII. Providing Shore power to vessels calling at CoPT berths.

- (i) This facility is also known as Alternative Maritime Power (AMP) or Cold ironing. AMP is a cold ironing system which allows ships to turn off their engines when in port and plug into shore side electricity supply, thus reducing air pollution in the port and surrounding communities. When a ship is berthed at port no coal firing/ DG operation takes place, and engines would literally cool down, hence the term cold ironing. Advantages of AMP is elimination of carbon emission from vessels and reduction of noise level in Port area. It also allows maintenance of DG of vessel while at berth. The cost of shore power is less compared to DG power.
- (ii) To achieve the above goals, CoPT has already implemented shore power facilities as detailed below.

Sl. No.	Location	Project cost (Rs. In Lakhs)	Year of Commissioning
1	Q2 & Q3 Berth at Mattancherry Wharf	57.00	2020-21
2	UTL Berth	57.00	2020-21
	Total	114.00	

- (iii) CoPT proposes to take up the following Cold Ironing Projects during the next control period in line with the Green Ports initiatives of the Ministry.

Sl. No.	Location	Project cost (Rs. In crores)	Expected year of Commissioning
1	Providing 8 MVA shore power supply to Cruise Vessels in International cruise berth at Ernakulam wharf.	18.05	2024-25
2	Providing shore power supply for vessels at Q7, Q6 & Q5 berths	5.40	2025-26
	Total	23.45	

II. Employee cost

With respect to employee cost, the Hon'ble Commission is of the view that share of number of employees allotted to distribution business is not

commensurate with the operational requirements. It also observed that employee cost is not properly segregated between the licensed business and other business of the licensee. Hence the Commission has been disallowing more than 50% of actual employee costs incurred by CoPT.

As on 31.03.2017 there were 104 employees in the Electrical Department which has subsequently come down to 59 during the year 2020-21, which is essentially required for the electrical distribution activities of the Port as per CEI norms. CoPT has also submitted a petition to Hon'ble KSERC to allow the complete employee cost incurred by the Port during the year 2018-19 and 2019-20, hearing of which has not been held yet.

Due to the retirement, the number permanent employees will come down from 59 during 2020-21 to 31 during 2026-27. However, due to the ban on recruitment, Port propose to engage contract employees in their place for carrying out the essential maintenance activities in the electricity distribution. Accordingly, provision of salary of contract employees has been made in the employee cost. The wage revision settlement for the employees of the Port is due from 01.01.2022, hence employee cost will show an increase for the year 2022-23. Considering this, Hon'ble Commission may kindly approve the employee cost as requested by CoPT.

III. Administration & General Expenses

The A & G expenses has been projected by giving 2% escalation.

IV. Repairs & Maintenance

The amount provided to CoPT in the KSERC (Terms and conditions for determination of Tariff) Regulations, 2021 has been given as R & M expenses.

V. Depreciation

Depreciation has been calculated on the fixed assets as well as the additions proposed to fixed assets based on the regulations.

VI. Interest & Finance Charges

Interest on GOI Loans:

Since the Port does not have any equity, the cost incurred for creation of assets attributed to the Electricity Distribution business was met out of Government of India (GoI) Loans availed by CoPT. Accordingly, total loan amount as on 31.03.2016 was Rs. 4260.94 Lakhs. In this context it may please be noted that The Cabinet Committee of Economic Affairs (CCEA) has approved the proposal of the CoPT for waiver of penal interest on GOI Loans to the tune of Rs.897.23 crores and scheduled the repayment of the principal plus interest amounting to Rs.557.16 crores in 10 years commencing from 2018-19.



From the year 2018-19, CoPT has started repayment of loans and accordingly interest has been claimed.

Interest on loans from CoPT for Capital Investment Plan (Normative Loan):

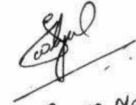
During the control period, CoPT is envisaging capital investment plans for improving distribution network with an attempt to ensure 24/7 power for all and to reduce the AT&C losses as stated above. For some of these investments, CoPT was able to obtain financial assistance from Ministry of Power under IPDS up to 60% of the total project cost. The remaining 40% is to be met out of CoPT's own funds. These are considered as normative loan to the Electricity Distribution business of CoPT. Interest has been charged as per the Regulation. Considering this, Hon'ble Commission may kindly allow towards interest on normative loans.

VII. Interest on Working Capital Loan from CoPT:

During the control period, total working capital requirement is estimated at 1975.79 Lakhs on which interest as per Regulation 32 is claimed by CoPT totaling Rs. 177.82 Lakhs for the control period.

VIII. Conclusion

Considering all the above, the Hon'ble Commission may kindly approve the petition for ARR - ERC for the control period 2022-23 to 2026-27.


Surya Madhu
Sr. Ao

**ARR and Tariff Formats - Distribution Business
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1	Form D P&L	Profit & Loss Account
2	Form D BS	Distribution Business Balance sheet
3	Form D CF	Cash Flow for the year
4	Form KSEBL SBU-wise P&L	KSEB Limited SBU-wise Profit & Loss Account
5	Form Small Lic Distr P&L	Small Distribution Licensees - Distribution business Profit & Loss Account
6	SBU-BS	SBU wise Balance sheet of KSEB Ltd
7	BS-Other	Balance sheet of Other licensees
8	Corporate	Audited/ Unaudited Balance sheet and Profit & Loss Accounts with all the Schedules & annexure for the relevant years

Note : Spread sheet financial models (in CD) shall also be submitted along with the application.

Form D 1.1

Summary of Aggregate Revenue Requirement

Name of Distribution Business/Licensee:

Licensed Area of Supply:

(Rs in Lakhs)

S. No.	Particulars	Reference form no.	2019-20			2020-21			2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Remarks
			Approved in Tariff Order	Audited	Trued Up approved by Commission	Approved in Tariff Order	Audited	Trued Up approved by Commission	Estimated	(Projected)	(Projected)	(Projected)	(Projected)	(Projected)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Cost of own power generation/power purchase	D 3.1	2,580.59	2,582.07	2,582.07	2,736.18	2,451.19		2,447.20	2,727.50	3,005.85	3,456.55	4,324.80	4,996.90	
2	Transmission Charges														
3	NLDC/RLDC/SLDC Charges														
4	Operation & Maintenance Expenses														
4.1	Employee Expenses	D 3.4(a)		811.73	382.06			769.47	854.77	967.46	863.97	808.17	802.09	738.85	
4.2	Annual Contribution for Terminal Liabilities based on actuarial valuation		456.29			478.37									
4.3	Administration & General Expenses	D 3.4(b)		73.11	71.25			69.14	71.73	74.81	77.68	80.69	83.84	95.61	
4.4	Repair & Maintenance Expenses	D 3.4(c)		28.15	28.15			24.83	30.94	32.32	33.76	35.26	36.83	38.47	
5	Depreciation	D 3.5	185.05	180.22	195.46	189.12	188.02		189.37	128.41	135.33	121.99	150.94	145.47	
6	Interest and finance charges on long term loans	D 3.6(a)	-	443.33	422.18	-	415.42		357.65	315.47	275.44	254.84	212.59	166.87	
7	Interest on Bonds to meet Terminal Liabilities														
8	Interest on Working Capital	D 3.7	5.51	11.02	7.22	5.64	7.89		9.56	17.68	21.85	28.59	50.74	58.95	
9	Interest on consumer security deposits and deposits from Users of the distribution system	D 4.3	32.76	33.20	33.20	34.73	23.52		23.52	23.52	23.52	23.52	23.52	23.52	
10	Any other item (to be specified)														
11	Contribution to contingency reserves														
12	Provisioning for Bad debts, if any														
13	Adjustment for profit/loss on account of controllable/uncontrollable factors														
14	Total Revenue Expenditure		3,260.20	4,162.83	3,721.59	3,444.04	3,949.48	-	3,984.73	4,287.16	4,437.41	4,809.61	5,685.36	6,264.65	
15	Return on Equity /Net Fixed Assets	D 3.8	70.81	71.60	71.60	65.25	69.30		67.02	112.46	112.11	114.57	146.63	144.93	
16	Tax on ROE														
17	Aggregate Revenue Requirement		3,331.01	4,234.44	3,793.19	3,509.29	4,018.77	-	4,051.75	4,399.63	4,549.52	4,924.17	5,832.00	6,409.58	
18	Less: Other Income & non-Tariff income	D 2.4	255.77	48.92	281.91	255.77	40.94		36.73	36.73	36.73	36.73	36.73	36.73	
19	Net Aggregate Revenue Requirement from Retail Tariff		3,075.24	4,185.52	3,511.28	3,253.52	3,977.84	-	4,015.03	4,362.90	4,512.79	4,887.45	5,795.27	6,372.85	
20	Revenue from sale of power	D 2.1	3,212.44	3,342.39	3,342.39	3,367.52	3,188.18		3,292.80	3,775.78	4,103.65	4,578.24	6,055.95	6,628.10	
21	Net Revenue gap/ Surplus (20-19)		137.20	-843.13	-168.89	114.00	-789.66	-	-722.23	-587.12	-409.14	-309.21	260.67	255.25	

Form D 2.1

Revenue from Sale of Power

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2019-20 (Truing Up Approved by the Commission)

(Rs. in Lakhs)

S. No.	Particulars	Number of consumers	Number of consumers billed	Units Sold (MU)	% of total Unit sold	Demand/ fixed charges@	Energy Charges @	Total	Average rate/kwh	Other charges if any@	Sub-total	Avg. realisation per KWh (Excluding ED & Govt.levies@)	Remarks
				MU				(7+8)	paisa/kwh		(9+11)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
A)	Revenue from sale of Electricity to consumers (categories as per Tariff for supply of Electricity)												
	LT Categories												
1	LT I	525	525	8.72	2.38%	3.03	30.98	34.01	3.90	0.40	34.42	3.94	
2	LT II	2	2	3.52	0.96%	1.23	29.93	31.16	8.85	-	31.16	8.85	
3	LT IV A	1	1	0.13	0.04%	0.75	0.74	1.48	11.16	0.01	1.49	11.20	
4	LT VI A	13	13	2.19	0.60%	0.90	13.74	14.64	6.69	0.02	14.66	6.71	
5	LT VI B	30	30	3.21	0.87%	2.64	22.30	24.94	7.77	0.07	25.01	7.79	
6	LT VI B (G)	20	20	1.25	0.34%	2.06	8.96	11.02	8.81	0.04	11.06	8.83	
7	LT VI C	8	8	1.85	0.50%	5.05	15.75	20.81	11.22	0.04	20.85	11.24	
8	LT VI C (G)	12	12	0.53	0.14%	2.20	4.22	6.43	12.19	0.02	6.45	12.23	
9	LT VI F	5	5	2.26	0.62%	1.43	20.37	21.80	9.63	0.02	21.82	9.64	
10	LT VII A SINGLE PHASE	310	310	3.28	0.89%	5.00	23.75	28.75	8.77	0.34	29.10	8.88	
11	LT VII A THREE PHASE	205	205	36.24	9.87%	126.12	322.16	448.28	12.37	0.98	449.26	12.40	
12	LT VII C	2	2	0.22	0.06%	0.46	1.67	2.12	9.49	-	2.13	9.51	
13	LT VIII B - Street Lights	3	3	0.08	0.02%	0.02	0.30	0.31	4.10	-	0.32	4.13	
14	Income from Self consumption & street lights	54	54	32.05	8.73%	8.74	170.77	179.51	5.60	0.09	179.60	5.60	
	HT Categories												
1	HT I (A) Industry	1	1	6.52	1.77%	10.12	36.62	46.74	7.17	-	46.74	7.17	
2	HT II (A)	5	5	11.68	3.18%	31.79	62.61	94.40	8.09	0.03	94.43	8.09	
3	HT II B Central Govt.	1	1	4.11	1.12%	8.67	28.37	37.04	9.02	-	37.04	9.02	
4	HT IV (A) Commercial	23	23	233.21	63.49%	447.72	1,730.55	2,178.27	9.34	0.44	2,178.71	9.34	
5	HT IV (BH)	4	4	16.28	4.43%	18.59	139.56	158.15	9.71	-	158.15		
	Extra High Tension (EHT)					676.52	2,663.36						
	Bulk Consumers/ Licensees					3,339.88							
	Revenue from sale of power outside the State												
B	a) Sale through power exchange												
	b) Sale to other States												
	c) Sale through Traders												
C	Total of items not shown categorywise												
a)	Electricity Duty Recovery										217.23		
b)	Other state Levies Recovery												
	Total Duty & Levies												
a)	Reactive Energy Charges												
b)	Wheeling charges Recoveries												
c)	Revenue from late payment surcharge												
d)	Recovery for theft and pilferage of energy												
e)	Meter/metering equipment/service line rentals												
f)	Miscellaneous Charges from consumers												
	Gross Revenue From Sale of Power										3,559.62		
30	Less: i) Electricity Duty Payable to Govt. (Contra)										217.23		
	ii) Other State Levies Payable to Govt. (Contra)												
	Net Revenue from Sale of Power (A29-A30)			367.34							3,342.39		

Form D 2.1

Revenue from Sale of Power

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Rs. in Lakh

Year 2020-21 (Actual)

S.No.	Particulars	Number of consumers	Number of consumers billed	Units Sold (MU)	% of total Unit sold	Demand/ fixed charges@	Energy Charges @	Total	Average rate/kwh	Other charges if any@ (Meter Hire charge & Penal Interest)	Sub-total	Sub-total	Avg. realisation per KWh (Excluding ED & Govt.levies@)
				MU				8+9+10	paisa/kwh		(13) to (19)	(11)+(20)+(21)+(22)	
1	2	3	4	6	7	8	9	11	12	18	20	23	24
A)	Revenue from sale of Electricity to consumers (categories as per Tariff for supply of Electricity)				8.7806355								
	LT Categories												
1	LT I DOMESTIC	511	511	8.36	2.42%	3.96	33.34	37.30	4.46	0.38	0.38	37.67	4.51
2	LT II COLONY	2	2	3.29	0.95%	2.35	28.59	30.94	9.40	0.00	0.00	30.94	9.40
3	LT IV A (Industry) (RC3)	1	1	0.05	0.01%	1.02	0.61	1.63	32.60	0.00	0.00	1.63	32.60
4	LT VI A (RC4C)	13	13	0.61	0.18%	0.69	4.12	4.81	7.89	0.03	0.03	4.83	7.92
5	LT VI B	28	28	1.81	0.55%	2.72	12.35	15.07	8.33	0.06	0.06	15.13	8.36
6	LT VI B G	21	21	1.36	0.39%	2.68	9.52	12.20	8.98	0.04	0.04	12.24	9.00
7	LT VI C	8	8	2.45	0.71%	5.05	20.79	25.84	10.55	0.10	0.10	25.94	10.59
8	LT VI C G	12	12	0.54	0.17%	2.20	4.31	6.51	12.05	0.02	0.02	6.53	12.20
9	LT VI F	4	4	2.00	0.58%	1.53	18.15	19.68	9.84	0.06	0.06	19.74	9.88
10	LT VII A SINGLE PHASE	334	334	2.95	0.85%	7.67	22.68	30.35	10.29	0.37	0.37	30.72	10.41
11	LT VII A THREE PHASE	199	199	27.10	7.84%	89.36	353.30	442.66	16.33	1.67	1.67	444.33	16.40
12	LT VII C	1	1	0.12	0.03%	0.34	0.84	1.18	9.83	0.01	0.01	1.19	9.92
13	LT VIII B Street lights	3	3	0.08	0.02%	0.02	0.34	0.36	4.50	0.00	0.00	0.35	4.38
14	Self consumption	54	54	27.65	8.00%	9.85	80.17	90.02	7.48	0.09	0.09	90.11	3.26
15	STREET LIGHT- SELF	1	1	11.70	3.39%	0.01	36.56	36.57	3.13	0.00	0.00	36.57	3.13
	HT Categories						0.00						
1	HT I GOVT	6	6	12.34	3.57%	39.58	70.70	110.28	8.94	0.00	0.00	110.28	8.94
2	HT I INDUSTRY	1	1	5.28	1.53%	10.83	30.92	41.75	7.91	0.00	0.00	41.75	7.91
3	HT II (B) C GOVT	1	1	3.45	1.00%	8.22	22.67	30.89	8.95	0.00	0.00	30.89	8.95
4	HT IV COMMERCIAL	23	23	193.65	56.06%	440.66	1429.20	1869.86	9.66	0.91	0.91	1870.77	9.66
5	HT IV B HOTEL	4	4	40.67	11.77%	60.41	313.83	374.24	9.20	2.31	2.30	376.55	9.26
	Extra High Tension (EHT)					689.15	2492.99						
	Bulk Consumers/ Licensees					3182.14							
	Revenue from sale of power outside the State												
B	Revenue from sale of power outside the State												
a)	Sale through power exchange												
b)	Sale to other States												
c)	Sale through Traders												
	C Total of items not shown categorywise												
a)	Electricity Duty Recovery											201.84	
b)	Other state Levies Recovery												
	Total Duty & Levies												
a)	Reactive Energy Charges												
b)	Wheeling charges Recoveries												
c)	Revenue from late payment surcharge												
d)	Recovery for theft and pilferage of energy												
e)	Meter/metering equipment/service line rentals												
f)	Miscellaneous Charges from consumers												
												
												
	Gross Revenue From Sale of Power											3390.02	
30	Less: i) Electricity Duty Payable to Govt. (Contra)											201.84	
	ii) Other State Levies Payable to Govt. (Contra)												
	Net Revenue from Sale of Power (A29-A30)			345.44								3,188.18	

Form D 2.1

Revenue from Sale of Power

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Rs. in Lakh

Year 2021-22(Estimates)

S.No.	Particulars	Number of consumers	Number of consumers billed	Units Sold (MU)	% of total Unit sold	Demand/ fixed charges@	Energy Charges @	Total	Average rate/kwh	Other charges if any@ (Meter Hire charge & Penal Interest)	Sub-total	Sub-total	Avg. realisation per KWh (Excluding ED & Govt.Levies@)
				MU				8+9+10	paisa/kwh		(13) to (19)	(11)+(20)+(21)+(22)	
1	2	3	4	6	7	8	9	11	12	18	20	23	24
A) Revenue from sale of Electricity to consumers (categories as per Tariff for supply of Electricity)													
LT Categories													
1	LT I DOMESTIC	475.00	475.00	7.49	2.17%	3.42	29.62	33.04	4.41	0.35	33.39	33.39	4.46
2	LT II COLONY	2.00	2.00	3.13	0.91%	2.35	26.57	28.93	9.25	0.00	28.93	28.93	9.25
3	LT IV A (Industry) (RC3)	2.00	2.00	0.10	0.03%	1.09	0.56	1.65	16.70	0.01	1.66	1.66	16.76
4	LT VIA (RC4C)	13.00	13.00	0.69	0.20%	0.69	4.34	5.02	7.28	0.02	5.04	5.04	7.31
5	LT VI B	27.00	27.00	1.35	0.55%	1.47	9.05	10.53	7.80	0.04	10.56	10.56	7.82
6	LT VI B G	21.00	21.00	1.45	0.42%	2.69	9.95	12.64	8.70	0.03	12.67	12.67	8.72
7	LT VI C	7.00	7.00	2.42	0.70%	4.69	20.55	25.25	10.44	0.02	25.26	25.26	10.45
8	LT VI C G	12.00	12.00	0.59	0.17%	2.20	4.75	6.95	11.82	0.02	6.96	6.96	11.85
9	LT VI F	4.00	4.00	1.99	0.58%	1.19	17.88	19.07	9.60	0.01	19.08	19.08	9.61
10	LT VII A SINGLE PHASE	336.00	336.00	3.15	0.92%	5.51	23.31	28.82	9.15	0.24	29.06	29.06	9.22
11	LT VII A THREE PHASE	197.00	197.00	28.00	8.13%	84.66	305.26	389.91	13.92	0.42	390.34	390.34	13.94
12	LT VII C	1.00	1.00	0.00	0.00%	0.01	0.00	0.01	33.19	0.00	0.01	0.01	34.94
13	LT VIII B Street lights	3.00	3.00	0.09	0.03%	0.02	0.37	0.39	4.51	0.00	0.39	0.39	4.53
14	Self consumption & Street lights Self	49.00	49.00	27.20	7.90%	14.63	212.71	227.35	8.36	0.10	227.44	227.44	8.36
HT Categories													
1	HT I GOVT	6	6	13.20	3.83%	48.86	73.51	122.37	9.27		122.37	122.37	9.27
2	HT I INDUSTRY	1	1	5.02	1.46%	10.14	30.10	40.23	8.02		40.23	40.23	8.02
3	HT II (B) C GOVT	1	1	3.39	0.98%	8.14	21.64	29.78	8.79		29.78	29.78	8.79
4	HT IV COMMERCIAL	23	23	196.44	57.06%	441.41	1437.88	1879.28	9.57		1879.28	1879.28	9.57
5	HT IV B HOTEL	4	4	48.59	14.11%	56.51	373.82	430.33	8.86		430.33	430.33	8.86
Extra High Tension (EHT)													
Bulk Consumers/ Licensees													
Revenue from sale of power outside the State													
a) Sale through power exchange													
b) Sale to other States													
c) Sale through Traders													
C Total of items not shown categorywise													
a) Electricity Duty Recovery													
b) Other state Levies Recovery													
Total Duty & Levies													
a) Reactive Energy Charges													
b) Wheeling charges Recoveries													
c) Revenue from late payment surcharge													
d) Recovery for theft and pilferage of energy													
e) Meter/metering equipment/service line rentals													
f) Miscellaneous Charges from consumers													
.....													
.....													
.....													
Gross Revenue From Sale of Power													
30	Less: i) Electricity Duty Payable to Govt. (Contra)												
	ii) Other State Levies Payable to Govt. (Contra)												
Net Revenue from Sale of Power (A29-A30)				344.27								3292.80	

Form D 2.1

Revenue from Sale of Power

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Rs. in Lakh

Year 2022-23(Projection)

S.No.	Particulars	Number of consumers	Number of consumers billed	Units Sold (MU)	% of total Unit sold	Demand/ fixed charges@	Energy Charges @	Total	Average rate/kwh	Other charges if any@ (Meter Hire charge & Penal Interest)	Sub-total	Sub-total	Avg. realisation per KWh (Excluding ED & Govt.levies@)
				MU				8+9+10	paisa/kwh		(13) to (19)	(11)+(20)+(21)+(22)	
1	2	3	4	6	7	8	9	11	12	18	20	23	24
A)	Revenue from sale of Electricity to consumers (categories as per Tariff for supply of Electricity)												
	LT Categories												
1	LT I DOMESTIC	475	475	7.86	2.11%	4.91	32.96	37.87	4.82	0.37	38.23	38.23	4.86
2	LT I DOMESTIC (LT II COLONY)	2	2	3.28	0.88%	5.41	30.16	35.57	10.84	0.00	35.57	35.57	10.84
3	LT IV A (Industry) (RC3)	2	2	0.10	0.03%	1.23	0.60	1.83	17.64	0.01	1.84	1.84	17.70
4	LT VI A (RC4C)	13	13	0.72	0.19%	0.77	4.64	5.41	7.47	0.02	5.43	5.43	7.50
5	LT VI B	27	27	1.42	0.55%	1.73	9.75	11.48	8.10	0.04	11.52	11.52	8.12
6	LT VI B G	21	21	1.53	0.41%	3.16	10.71	13.87	9.09	0.03	13.90	13.90	9.11
7	LT VI C	7	7	2.54	0.68%	4.93	21.98	26.91	10.60	0.02	26.93	26.93	10.61
8	LT VI C G	12	12	0.62	0.17%	2.31	5.08	7.39	11.97	0.02	7.41	7.41	12.00
9	LT VI F	4	4	2.09	0.56%	1.50	19.47	20.97	10.05	0.01	20.99	20.99	10.06
10	LT VII A SINGLE PHASE	336	336	3.31	0.89%	6.57	24.79	31.36	9.48	0.25	31.61	31.61	9.55
11	LT VII A THREE PHASE	197	197	29.40	7.91%	100.99	324.58	425.57	14.47	0.45	426.01	426.01	14.49
12	LT VII C	1	1	0.00	0.00%	0.01	0.00	0.02	37.34	0.00	0.02	0.02	39.08
13	LT VIII B Street lights	3	3	0.09	0.02%	0.03	0.42	0.45	4.99	0.00	0.46	0.46	5.01
14	Self consumption & Street lights Self	49	49	28.56	7.68%	17.74	230.50	248.24	8.69	0.10	248.34	248.34	8.70
	HT Categories												
1	HT I GOVT	6	6	13.86	3.73%	57.90	80.46	138.36	9.99		138.36	138.36	9.99
2	HT I INDUSTRY	1	1	5.27	1.42%	12.13	33.44	45.57	8.65		45.57	45.57	8.65
3	HT II (B) C GOVT	1	1	3.56	0.96%	9.65	24.67	34.33	9.65		34.33	34.33	9.65
4	HT IV COMMERCIAL	23	23	216.67	58.26%	566.59	1648.53	2215.11	10.22		2215.11	2215.11	10.22
5	HT IV B HOTEL	4	4	51.02	13.72%	65.76	408.40	474.16	9.29		474.16	474.16	9.29
	Extra High Tension (EHT)												
	Bulk Consumers/ Licensees												
	Revenue from sale of power outside the State												
a)	Sale through power exchange												
b)	Sale to other States												
c)	Sale through Traders												
C	Total of items not shown categorywise												
a)	Electricity Duty Recovery												
b)	Other state Levies Recovery												
	Total Duty & Levies												
a)	Reactive Energy Charges												
b)	Wheeling charges Recoveries												
c)	Revenue from late payment surcharge												
d)	Recovery for theft and pilferage of energy												
e)	Meter /metering equipment/service line rentals												
f)	Miscellaneous Charges from consumers												
.....													
.....													
	Gross Revenue From Sale of Power												
30	Less: i) Electricity Duty Payable to Govt. (Contra)												
	ii)Other State Levies Payable to Govt. (Contra)												
	Net Revenue from Sale of Power (A29-A30)												
				371.90								3775.78	

Form D 2.1

Revenue from Sale of Power

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Rs. in Lakh

Year 2023-24(Projection)

S.No.	Particulars	Number of consumers	Number of consumers billed	Units Sold (MU)	% of total Unit sold	Demand/ fixed charges@	Energy Charges @	Total	Average rate/kwh	Other charges if any@ (Meter Hire charge & Penal Interest)	Sub-total	Sub-total	Avg. realisation per KWh (Excluding ED & Govt.levies@)
				MU				8+9+10	paisa/kwh		(13) to (19)	(11)+(20)+(21)+(22)	
1	2	3	4	6	7	8	9	11	12	18	20	23	24
A)	Revenue from sale of Electricity to consumers (categories as per Tariff for supply of Electricity)												
	LT Categories												
1	LT I DOMESTIC	475	475	8.25	2.02%	5.16	34.61	39.76	4.82	0.38	40.15	40.15	4.86
2	LT I DOMESTIC (LT II COLONY)	2	2	3.45	0.84%	5.68	31.67	37.35	10.84	0.00	37.35	37.35	10.84
3	LT IV A (Industry) (RC3)	2	2	0.11	0.03%	1.29	0.63	1.92	17.64	0.01	1.93	1.93	17.70
4	LT VI A (RC4C)	13	13	0.76	0.19%	0.81	4.87	5.68	7.47	0.02	5.71	5.71	7.50
5	LT VI B	27	27	1.49	0.55%	1.82	10.24	12.05	8.10	0.04	12.09	12.09	8.12
6	LT VI B G	21	21	1.60	0.39%	3.31	11.25	14.56	9.09	0.03	14.60	14.60	9.11
7	LT VI C	7	7	2.67	0.65%	5.18	23.08	28.26	10.60	0.02	28.27	28.27	10.61
8	LT VI C G	12	12	0.65	0.17%	2.43	5.33	7.76	11.97	0.02	7.78	7.78	12.00
9	LT VI F	4	4	2.19	0.54%	1.58	20.45	22.02	10.05	0.01	22.04	22.04	10.06
10	LT VII A SINGLE PHASE	336	336	3.47	0.85%	6.90	26.03	32.93	9.48	0.26	33.19	33.19	9.55
11	LT VII A THREE PHASE	197	197	30.87	7.56%	106.04	340.81	446.84	14.47	0.47	447.31	447.31	14.49
12	LT VII C	1	1	0.00	0.00%	0.01	0.00	0.02	37.34	0.00	0.02	0.02	39.08
13	LT VIII B Street lights	3	3	0.10	0.02%	0.03	0.45	0.48	4.99	0.00	0.48	0.48	5.01
14	Self consumption & Street lights Self	49	49	29.99	7.34%	18.63	242.02	260.65	8.69	0.11	260.75	260.75	8.70
	HT Categories												
1	HT I GOVT	6	6	14.55	3.56%	60.80	84.49	145.28	9.99	0.00	145.28	145.28	9.99
2	HT I INDUSTRY	1	1	5.53	1.35%	12.74	35.11	47.85	8.65	0.00	47.85	47.85	8.65
3	HT II (B) C GOVT	1	1	3.74	0.91%	10.14	25.91	36.04	9.65	0.00	36.04	36.04	9.65
4	HT IV COMMERCIAL	23	23	245.49	60.10%	651.58	1813.38	2464.96	10.04	0.00	2464.96	2464.96	10.04
5	HT IV B HOTEL	4	4	53.57	13.12%	69.04	428.82	497.86	9.29	0.00	497.86	497.86	9.29
	Extra High Tension (EHT)												
	Bulk Consumers/ Licensees												
	Revenue from sale of power outside the State												
B)	a) Sale through power exchange												
	b) Sale to other States												
	c) Sale through Traders												
C)	Total of items not shown categorywise												
a)	Electricity Duty Recovery												
b)	Other state Levies Recovery												
	Total Duty & Levies												
a)	Reactive Energy Charges												
b)	Wheeling charges Recoveries												
c)	Revenue from late payment surcharge												
d)	Recovery for theft and pilferage of energy												
e)	Meter/metering equipment/service line rentals												
f)	Miscellaneous Charges from consumers												
												
												
	Gross Revenue From Sale of Power												
30	Less: i) Electricity Duty Payable to Govt. (Contra)												
	ii) Other State Levies Payable to Govt. (Contra)												
	Net Revenue from Sale of Power (A29-A30)												
				408.48								4103.65	

Form D 2.1

Revenue from Sale of Power

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Rs. in Lakh

Year 2024-25(Projection)

S.No.	Particulars	Number of consumers	Number of consumers billed	Units Sold (MU)	% of total Unit sold	Demand/ fixed charges@	Energy Charges @	Total	Average rate/kwh	Other charges if any@ (Meter Hire charge & Penal Interest)	Sub-total	Sub-total	Avg. realisation per KWh (Excluding ED & Govt.levies@)
				MU				8+9+10	paisa/kwh		(13) to (19)	(11)+(20)+(21)+(22)	
1	2	3	4	6	7	8	9	11	12	18	20	23	24
A)	Revenue from sale of Electricity to consumers (categories as per Tariff for supply of Electricity)												
	LT Categories												
1	LT I DOMESTIC	475	475	8.75	1.87%	5.47	36.68	42.15	4.82	0.41	42.56	42.56	4.86
2	LT I DOMESTIC (LT II COLONY)	2	2	3.65	0.78%	6.02	33.57	39.59	10.84	0.00	39.59	39.59	10.84
3	LT IV A (Industry) (RC3)	2	2	0.12	0.02%	1.36	0.67	2.03	17.64	0.01	2.04	2.04	17.70
4	LT VI A (RC4C)	13	13	0.81	0.17%	0.86	5.17	6.03	7.47	0.02	6.05	6.05	7.50
5	LT VI B	27	27	1.58	0.55%	1.93	10.85	12.78	8.10	0.04	12.82	12.82	8.12
6	LT VI B G	21	21	1.70	0.36%	3.51	11.93	15.44	9.09	0.03	15.47	15.47	9.11
7	LT VI C	7	7	2.83	0.60%	5.49	24.47	29.95	10.60	0.02	29.97	29.97	10.61
8	LT VI C G	12	12	0.69	0.17%	2.57	5.65	8.22	11.97	0.02	8.24	8.24	12.00
9	LT VI F	4	4	2.32	0.50%	1.67	21.67	23.35	10.05	0.01	23.36	23.36	10.06
10	LT VII A SINGLE PHASE	336	336	3.68	0.79%	7.32	27.59	34.90	9.48	0.28	35.18	35.18	9.55
11	LT VII A THREE PHASE	197	197	32.72	7.00%	112.40	361.26	473.66	14.47	0.50	474.15	474.15	14.49
12	LT VII C	1	1	0.00	0.00%	0.02	0.00	0.02	37.34	0.00	0.02	0.02	39.08
13	LT VIII B Street lights	3	3	0.10	0.02%	0.03	0.47	0.50	4.99	0.00	0.51	0.51	5.01
14	Self consumption & Street lights Self	49	49	31.79	6.80%	19.74	256.54	276.29	8.69	0.11	276.40	276.40	8.70
	HT Categories												
1	HT I GOVT	6	6	15.42	3.30%	64.44	89.55	154.00	9.99	0.00	154.00	154.00	9.99
2	HT I INDUSTRY	1	1	5.86	1.25%	13.51	37.21	50.72	8.65	0.00	50.72	50.72	8.65
3	HT II (B) C GOVT	1	1	3.96	0.85%	10.74	27.46	38.21	9.65	0.00	38.21	38.21	9.65
4	HT IV COMMERCIAL	23	23	294.59	63.03%	755.83	2085.39	2841.21	9.64	0.00	2841.21	2841.21	9.64
5	HT IV B HOTEL	4	4	56.79	12.15%	73.19	454.55	527.74	9.29	0.00	527.74	527.74	9.29
	Extra High Tension (EHT)												
	Bulk Consumers/ Licensees												
	Revenue from sale of power outside the State												
	a) Sale through power exchange												
	b) Sale to other States												
	c) Sale through Traders												
	C Total of items not shown categorywise												
	a) Electricity Duty Recovery												
	b) Other state Levies Recovery												
	Total Duty & Levies												
	a) Reactive Energy Charges												
	b) Wheeling charges Recoveries												
	c) Revenue from late payment surcharge												
	d) Recovery for theft and pilferage of energy												
	e) Meter/metering equipment/service line rentals												
	f) Miscellaneous Charges from consumers												
												
												
	Gross Revenue From Sale of Power												
30	Less: i) Electricity Duty Payable to Govt. (Contra)												
	ii)Other State Levies Payable to Govt. (Contra)												
	Net Revenue from Sale of Power (A29-A30)			467.35								4578.24	

Form D 2.1

Revenue from Sale of Power

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Rs. in Lakh

Year 2025-26(Projection)

S.No.	Particulars	Number of consumers	Number of consumers billed	Units Sold (MU)	% of total Unit sold	Demand/ fixed charges@	Energy Charges @	Total	Average rate/kwh	Other charges if any@ (Meter Hire charge & Penal Interest)	Sub-total	Sub-total	Avg. realisation per KWh (Excluding ED & Govt.levies@)
				MU				8+9+10	paisa/kwh		(13) to (19)	(11)+(20)+(21)+(22)	
1	2	3	4	6	7	8	9	11	12	18	20	23	24
A)	Revenue from sale of Electricity to consumers (categories as per Tariff for supply of Electricity)												
	LT Categories												
1	LT I DOMESTIC	475	475	9.27	1.62%	5.79	38.88	44.68	4.82	0.43	45.11	45.11	4.86
2	LT I DOMESTIC (LT II COLONY)	2	2	3.87	0.68%	6.38	35.58	41.97	10.84	0.00	41.97	41.97	10.84
3	LT IV A (Industry) (RC3)	2	2	0.12	0.02%	1.45	0.71	2.16	17.64	0.01	2.17	2.17	17.70
4	LT VI A (RC4C)	13	13	0.85	0.15%	0.91	5.47	6.39	7.47	0.02	6.41	6.41	7.50
5	LT VI B	27	27	1.67	0.55%	2.04	11.50	13.54	8.10	0.05	13.59	13.59	8.12
6	LT VI B G	21	21	1.80	0.32%	3.72	12.64	16.36	9.09	0.04	16.40	16.40	9.11
7	LT VI C	7	7	3.00	0.52%	5.82	25.93	31.75	10.60	0.02	31.77	31.77	10.61
8	LT VI C G	12	12	0.73	0.17%	2.73	5.99	8.72	11.97	0.02	8.74	8.74	12.00
9	LT VI F	4	4	2.46	0.43%	1.77	22.97	24.75	10.05	0.01	24.76	24.76	10.06
10	LT VII A SINGLE PHASE	336	336	3.90	0.68%	7.75	29.24	37.00	9.48	0.29	37.29	37.29	9.55
11	LT VII A THREE PHASE	197	197	34.69	6.07%	119.14	382.93	502.07	14.47	0.53	502.60	502.60	14.49
12	LT VII C	1	1	0.00	0.00%	0.02	0.00	0.02	37.34	0.00	0.02	0.02	39.08
13	LT VIII B Street lights	3	3	0.11	0.02%	0.03	0.50	0.53	4.99	0.00	0.54	0.54	5.01
14	Self consumption & Street lights Self	49	49	33.69	5.90%	20.93	271.93	292.86	8.69	0.12	292.98	292.98	8.70
	HT Categories												
1	HT I GOVT	6	6	16.35	2.86%	68.31	94.93	163.24	9.99	0.00	163.24	163.24	9.99
2	HT I INDUSTRY	1	1	6.21	1.09%	14.32	39.45	53.76	8.65	0.00	53.76	53.76	8.65
3	HT II (B) C GOVT	1	1	4.20	0.73%	11.39	29.11	40.50	9.65	0.00	40.50	40.50	9.65
4	HT IV COMMERCIAL	23	23	318.16	55.69%	801.18	2293.92	3095.10	9.73	0.00	3095.10	3095.10	9.73
5	HT IV B HOTEL	4	4	60.20	10.54%	77.58	481.82	559.40	9.29	0.00	559.40	559.40	9.29
	Extra High Tension (EHT)	1	1	70	12.25%	331.20	788.40	1119.60	15.99	0	1119.60	1119.60	15.99
	Bulk Consumers/ Licensees												
	Revenue from sale of power outside the State												
	a) Sale through power exchange												
	b) Sale to other States												
	c) Sale through Traders												
	C Total of items not shown categorywise												
	a) Electricity Duty Recovery												
	b) Other state Levies Recovery												
	Total Duty & Levies												
	a) Reactive Energy Charges												
	b) Wheeling charges Recoveries												
	c) Revenue from late payment surcharge												
	d) Recovery for theft and pilferage of energy												
	e) Meter/metering equipment/service line rentals												
	f) Miscellaneous Charges from consumers												
												
												
	Gross Revenue From Sale of Power												
30	Less: i) Electricity Duty Payable to Govt. (Contra)												
	ii) Other State Levies Payable to Govt. (Contra)												
	Net Revenue from Sale of Power (A29-A30)			571.29								6055.95	

EHT supply to LNG

Form D 2.1

Revenue from Sale of Power

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Rs. in Lakh

Year 2026-27(Projection)

S.No.	Particulars	Number of consumers	Number of consumers billed	Units Sold (MU)	% of total Unit sold	Demand/ fixed charges@	Energy Charges @	Total	Average rate/kwh	Other charges if any@ (Meter Hire charge & Penal Interest)	Sub-total	Sub-total	Avg. realisation per KWh (Excluding ED & Govt.levies@)
				MU				8+9+10	paisa/kwh		(13) to (19)	(11)+(20)+(21)+(22)	
1	2	3	4	6	7	8	9	11	12	18	20	23	24
A)	Revenue from sale of Electricity to consumers (categories as per Tariff for supply of Electricity)												
	LT Categories												
1	LT I DOMESTIC	475	475	9.83	1.53%	6.14	41.22	47.36	4.82	0.46	47.82	47.82	4.86
2	LT I DOMESTIC (LT II COLONY)	2	2	4.11	0.64%	6.77	37.72	44.48	10.84	0.00	44.49	44.49	10.84
3	LT IV A (Industry) (RC3)	2	2	0.13	0.02%	1.53	0.75	2.29	17.64	0.01	2.30	2.30	17.70
4	LT VI A (RC4C)	13	13	0.91	0.14%	0.97	5.80	6.77	7.47	0.03	6.80	6.80	7.50
5	LT VI B	27	27	1.77	0.55%	2.16	12.19	14.36	8.10	0.05	14.40	14.40	8.12
6	LT VI B G	21	21	1.91	0.30%	3.95	13.40	17.35	9.09	0.04	17.38	17.38	9.11
7	LT VI C	7	7	3.18	0.49%	6.16	27.49	33.65	10.60	0.02	33.68	33.68	10.61
8	LT VI C G	12	12	0.77	0.17%	2.89	6.35	9.24	11.97	0.02	9.26	9.26	12.00
9	LT VI F	4	4	2.61	0.41%	1.88	24.35	26.23	10.05	0.01	26.24	26.24	10.06
10	LT VII A SINGLE PHASE	336	336	4.14	0.64%	8.22	31.00	39.22	9.48	0.31	39.53	39.53	9.55
11	LT VII A THREE PHASE	197	197	36.77	5.71%	126.29	405.91	532.20	14.47	0.56	532.76	532.76	14.49
12	LT VII C	1	1	0.00	0.00%	0.02	0.00	0.02	37.34	0.00	0.02	0.02	39.08
13	LT VIII B Street lights	3	3	0.11	0.02%	0.03	0.53	0.57	4.99	0.00	0.57	0.57	5.01
14	Self consumption & Street lights Self	49	49	35.72	5.55%	22.19	288.25	310.44	8.69	0.13	310.56	310.56	8.70
	HT Categories												
1	HT I GOVT	6	6	17.33	2.69%	72.41	100.62	173.03	9.99	0.00	173.03	173.03	9.99
2	HT I INDUSTRY	1	1	6.59	1.02%	15.18	41.81	56.99	8.65	0.00	56.99	56.99	8.65
3	HT II (B) C GOVT	1	1	4.45	0.69%	12.07	30.86	42.93	9.65	0.00	42.93	42.93	9.65
4	HT IV COMMERCIAL	23	23	349.97	54.34%	849.25	2431.56	3280.81	9.37	0.00	3280.81	3280.81	9.37
5	HT IV B HOTEL	4	4	63.81	9.91%	82.23	510.73	592.96	9.29	0.00	592.96	592.96	9.29
	Extra High Tension (EHT)	1	1	100.00	15.53%	496.80	898.78	1395.58	13.96	0.00	1395.58	1395.58	13.96
	Bulk Consumers/ Licensees												
	Revenue from sale of power outside the State												
	a) Sale through power exchange												
	b) Sale to other States												
	c) Sale through Traders												
	C Total of items not shown categorywise												
	a) Electricity Duty Recovery												
	b) Other state Levies Recovery												
	Total Duty & Levies												
	a) Reactive Energy Charges												
	b) Wheeling charges Recoveries												
	c) Revenue from late payment surcharge												
	d) Recovery for theft and pilferage of energy												
	e) Meter/metering equipment/service line rentals												
	f) Miscellaneous Charges from consumers												
												
												
	Gross Revenue From Sale of Power												
30	Less: i) Electricity Duty Payable to Govt. (Contra)												
	ii)Other State Levies Payable to Govt. (Contra)												
	Net Revenue from Sale of Power (A29-A30)			644.09								6628.10	

Form D 2.4

Other Income

Name of Distribution Business/Licensee:

Rs. Crore/Lakh

S. No.	Particulars	2019-20			2020-21			2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Remarks
		Approved in Tariff Order	Audited	Trued Up	Approved in Tariff Order	Audited	Truing Up requirement	Estimated	(Projected)	(Projected)	(Projected)	(Projected)	(Projected)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Interest on staff loans and advances													
2	Income from statutory investments													
3	Income from trading													
4	Income from rent of land or buildings													
5	Income from sale of scrap													
6	Income from staff welfare activities													
7	Rental from staff quarters													
8	Excess found on physical verification													
9	Interest on investments, fixed and call deposits and bank balances	255.77	48.92	255.77	255.77	40.94	40.94	36.73	36.73	36.73	36.73	36.73	36.73	
10	Interest on advances to suppliers/contractors													
11	Income from hire charges from contractors and others													
12	Income due to right of way granted for laying fibre optic cables/co-axial cables on distribution system													
13	Income from advertisements, etc.													
14	Miscellaneous receipts													
15	Commission for collection of electricity duty													
16	Interest on delayed or deferred payment of bills													
17	Rebate from Central Generating Stations													
18													
19													
20													
	Total													

Form D 2.7

Consumer Contribution, Capital Subsidy and Grant

Name of Distribution Business/Licensee:
Licensed area of supply:

Rs. Crore/Lakh

S. No.	Particulars	2019-20			2020-21			2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Remarks
		Approved in Tariff Order	Actually received	Balance Receivable	Approved in Tariff Order	Actually received	Balance Receivable	Estimated	Projected	Projected	Projected	Projected	Projected	
1	2	3	4	5 = 4 - 3	6	7	8	9	10	11	12	13	14	15
1	Consumers Contribution for service connection lines and associated works													
2	Any other contribution by consumers under any scheme.													
a)														
b)														
c)														
	Sub-Total (2)													
3	Capital Subsidies from appropriate Government towards cost of Capital Assets													
4	Receipts from appropriate Government under any scheme as Grants (Ministry of Power under IPDS and RESCO)	-	38.00	-	-	175.00	-	-	-	271.00	1,057.00	180.00	39.00	
5	Any Other item (to be specified)													
													
	sub-Total (5)													
	TOTAL (1 to 5)	-	38.00	-	-	175.00	-	-	-	271.00	1,057.00	180.00	39.00	

Form D 3.1

Power Purchase Expenses

Name of Distribution Business/Licensee: Cochin Port Trust

Year 2019-20 (Actual)

(Rs. in Lakhs)

S. No.	Source of Power (Station wise)	Installed Capacity	Energy received by licensee (KWH)	Total Annual Fixed charges (RsLakhs)	Capacity Charges paid/ payable by Utility (Rs Lakh)	Variable Cost per unit including Fuel Price Adjustment (Rs/kWh)	Total Variable Charges (Rs Lakh)	Incentive (Rs Lakh)	Any Other Charges (Please specify the type of charges)	Total Cost of Energy Received (Rs Lakh)	Avg cost of energy received (Rs/kWh)
1	2	3	4	5	6	7	8	9	10	11	12
1	21/1135 - Willingdon Island	6500	282.52	220.05			1,715.93			1,935.98	6.85
2	5/5403 - Vallarpadam	3000	91.85	88.90			557.19			646.09	7.03
	Total	9500	374.37	308.95			2,273.12			2,582.07	6.90

Year 2020-21 (Actuals)

S. No.	Source of Power (Station wise)	Installed Capacity	Energy received by licensee (KWH)	Total Annual Fixed charges (Rs.Lakhs)	Capacity Charges paid/ payable by Utility (Rs.Lakhs)	Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh)	Total Variable Charges (Rs.Lakhs)	Incentive (Rs.Lakhs)	Any Other Charges (Please specify the type of charges)	Total Cost of Energy Received (Rs Lakh)	Avg cost of energy received (Rs/kWh)
1	2	3	4	5	6	7	8	9	10	11	12
1	21/1135 - Willingdon Island	6500	243.99	210.17			1,488.36			1,698.53	6.96
2	5/5403 - Vallarpadam	3000	108.27	92.22			660.44			752.66	6.95
	Total	9500	352.26	302.39			2,148.80			2,451.19	

Year 2021-22 (Projection)

S. No.	Source of Power (Station wise)	Installed Capacity	Energy received by licensee (KWH)	Total Annual Fixed charges (Rs.Lakhs)	Capacity Charges paid/ payable by Utility (Rs.Lakhs)	Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh)	Total Variable Charges (Rs.Lakhs)	Incentive (Rs.Lakhs)	Any Other Charges (Please specify the type of charges)	Total Cost of Energy Received (Rs Lakh)	Avg cost of energy received (Rs/kWh)
1	2	3	4	5	6	7	8	9	10	11	12
1	21/1135 - Willingdon Island	6500	244.04	213.75			1,488.62			1,702.37	6.98
2	5/5403 - Vallarpadam	3000	107.05	91.80			653.03			744.83	6.96
	Total	9500	351.09	305.55			2,141.64			2,447.20	

Year 2022-23 (Projection)

S. No.	Source of Power (Station wise)	Installed Capacity	Energy received by licensee (KWH)	Total Annual Fixed charges (Rs.Lakhs)	Capacity Charges paid/ payable by Utility (Rs.Lakhs)	Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh)	Total Variable Charges (Rs.Lakhs)	Incentive (Rs.Lakhs)	Any Other Charges (Please specify the type of charges)	Total Cost of Energy Received (Rs Lakh)	Avg cost of energy received (Rs/kWh)
1	2	3	4	5	6	7	8	9	10	11	12
1	21/1135 - Willingdon Island	6500	238.24	250.84			1,488.99			1,739.83	7.30
2	5/5403 - Vallarpadam	3000	123.11	148.20			769.45			917.65	7.45
3	1.5 MW floating solar	1500	18.00	-			70.02			70.02	3.89
	Total	11000	379.35	399.04			2,328.45			2,727.50	

Year 2023-24 (Projection)

S. No.	Source of Power (Station wise)	Installed Capacity	Energy received by licensee (KWH)	Total Annual Fixed charges (Rs.Lakhs)	Capacity Charges paid/ payable by Utility (Rs.Lakhs)	Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh)	Total Variable Charges (Rs.Lakhs)	Incentive (Rs.Lakhs)	Any Other Charges (Please specify the type of charges)	Total Cost of Energy Received (Rs Lakh)	Avg cost of energy received (Rs/kWh)
1	2	3	4	5	6	7	8	9	10	11	12
1	21/1135 - Willingdon Island	6500	246.05	263.39			1,537.81			1,801.20	7.32
2	5/5403 - Vallarpadam	3000	147.73	193.80			923.34			1,117.14	7.56
3	1.5 MW floating solar	1500	18.00	-			70.02			70.02	3.89
4	350 KWP Solar	350	5.00	-			17.50			17.50	3.50
	Total	11350	416.78	457.19			2,548.67			3,005.85	

Year 2024-25 (Projection)

S. No.	Source of Power (Station wise)	Installed Capacity	Energy received by licensee (KWH)	Total Annual Fixed charges (Rs.Lakhs)	Capacity Charges paid/ payable by Utility (Rs.Lakhs)	Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh)	Total Variable Charges (Rs.Lakhs)	Incentive (Rs.Lakhs)	Any Other Charges (Please specify the type of charges)	Total Cost of Energy Received (Rs Lakh)	Avg cost of energy received (Rs/kWh)
1	2	3	4	5	6	7	8	9	10	11	12
1	21/1135 - Willingdon Island	6500	262.19	279.19			1,638.70			1,917.89	7.31
2	5/5403 - Vallarpadam	3000	192.05	250.80			1,200.34			1,451.14	7.56
3	1.5 MW floating solar	1500	18.00	-			70.02			70.02	3.89
4	350 KWP Solar	350	5.00	-			17.50			17.50	3.50
	Total	11350	477.25	529.99			2,926.56			3,456.55	

Year 2025-26 (Projection)

S. No.	Source of Power (Station wise)	Installed Capacity	Energy received by licensee (KWH)	Total Annual Fixed charges (Rs.Lakhs)	Capacity Charges paid/ payable by Utility (Rs.Lakhs)	Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh)	Total Variable Charges (Rs.Lakhs)	Incentive (Rs.Lakhs)	Any Other Charges (Please specify the type of charges)	Total Cost of Energy Received (Rs Lakh)	Avg cost of energy received (Rs/kWh)
1	2	3	4	5	6	7	8	9	10	11	12
1	21/1135 - Willingdon Island	6500	279.30	295.94			1,745.65			2,041.59	7.31
2	5/5403 - Vallarpadam	3000	280.78	440.80			1,754.89			2,195.69	7.82
3	1.5 MW floating solar	1500	18.00	-			70.02			70.02	3.89
4	350 KWP Solar	350	5.00	-			17.50			17.50	3.50
	Total	11350	583.09	736.74			3,588.06			4,324.80	

Year 2026-27 (Projection)

S. No.	Source of Power (Station wise)	Installed Capacity	Energy received by licensee (KWH)	Total Annual Fixed charges (Rs.Lakhs)	Capacity Charges paid/ payable by Utility (Rs.Lakhs)	Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh)	Total Variable Charges (Rs.Lakhs)	Incentive (Rs.Lakhs)	Any Other Charges (Please specify the type of charges)	Total Cost of Energy Received (Rs Lakh)	Avg cost of energy received (Rs/kWh)
1	2	3	4	5	6	7	8	9	10	11	12
1	21/1135 - Willingdon Island	6500	297.44	313.70			1,859.02			2,172.71	7.30
2	5/5403 - Vallarpadam	3000	336.94	630.80			2,105.87			2,736.67	8.12
3	1.5 MW floating solar	1500	18.00	-			70.02			70.02	3.89
4	350 KWP Solar	350	5.00	-			17.50			17.50	3.50
	Total	11350	657.38	944.50			4,052.40			4,996.90	

Form D 3.4

Operations and Maintenance Expenses

B Name of Distribution Business/Licensee: Cochin Port Trust
O&M Expenses

(Rs. Lakh)

S. No.	Particulars	Reference	2019-20			2020-21			2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Remarks
			Approved in Tariff Order	Audited/ Normative	Truing Up approved by Commission	Approved in Tariff Order	Audited/ Normative	Truing Up approved by Commission	Estimated	Projected	Projected	Projected	Projected	Projected	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Employee Expenses (as per norms)														
2	R&M Expenses (as per norms)														
3	A&G Expenses (as per norms)														
4	O&M Expense (as per norms) (1+2+3)														
5	O&M Expense (actuals)	3.4(a),3.4(b), 3.4(c)	456.29	912.99	481.46	478.37	863.44	-	957.44	1,074.59	975.41	924.12	922.77	872.93	

Form D 3.4(a)
Employee Expenses

Name of Licensee: Cochin Port Trust

Rs. Lakhs

S. No.	Particulars	Reference	2019-20	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Remarks
			Audited	Approved by the Commission	Audited	Estimated	Projected	Projected	Projected	Projected	Projected	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Basic Salary											
2	Dearness Allowance (DA)											
3	House Rent Allowance											
4	Conveyance Allowance											
5	Leave Travel Allowance											
6	Earned Leave Encashment											
7	Other Allowances											
8	Medical Reimbursement											
9	Overtime Payment		731.29		693.21	770.06	871.58	778.35	728.08	722.61	665.63	
10	Bonus/Ex-Gratia Payments											
11	Interim Relief / Wage Revision											
12	Staff welfare expenses			382.06								
13	VRS Expenses/Retrenchment Compensation											
14	Commission to Directors											
15	Training Expenses											
16	Payment under Workmen's Compensation Act											
17	Net Employee Costs		731.29		693.21	770.06	871.58	778.35	728.08	722.61	665.63	
18	Terminal Benefits		80.44		76.25	84.71	95.87	85.62	80.09	79.49	73.22	
18.1	Provident Fund Contribution											
18.2	Provision for PF Fund											
18.3	Pension Payments											
18.4	Gratuity Payment											
19	Others											
20	Gross Employee Expenses		811.73	382.06	769.47	854.77	967.46	863.97	808.17	802.09	738.85	
21	Less: Expenses Capitalised											
22	Net Employee Expenses		811.73	382.06	769.47	854.77	967.46	863.97	808.17	802.09	738.85	

Form D. 3.4 (b)
Administrative & General Expenses

Name of Licensee: **Cochin Port Trust**

Rs. Crore/Lakh

S. No.	Particulars	Reference	2019-20	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Remarks
			Audited	Approved by the Commission	Audited	Estimated	Projected	Projected	Projected	Projected	Projected	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Rent Rates & Taxes		6.05		5.95	5.99	6.12	6.24	6.37	6.49	6.62	
2	Insurance		2.31		0.73	0.79	0.80	0.82	0.84	0.85	0.87	
3	Telephone & Postage, etc.		0.26		0.30	0.31	0.32	0.33	0.33	0.34	0.35	
4	Legal charges		0.99		0.55	0.40	0.50	0.51	0.52	0.53	0.54	
5	Audit Fees		0.42		0.47	0.48	0.50	0.51	0.52	0.53	0.54	
6	Consultancy charges		-		-	-	-	-	-	-	-	
7	Other Professional charges		-		-	-	-	-	-	-	-	
8	Conveyance		0.40		0.10	0.12	0.12	0.12	0.13	0.13	0.13	
9	Vehicle Running Expenses Truck / Delivery Van		-		-	-	-	-	-	-	-	
10	Vehicle Hiring Expenses Truck / Delivery Van		0.99		0.97	1.02	1.05	1.07	1.09	1.11	1.13	
11	Electricity charges		9.34		9.34	9.34	9.34	9.34	9.34	9.34	9.34	
12	Water charges		2.33		2.33	2.31	2.50	2.55	2.60	2.65	2.71	
13	Entertainment		0.03		0.22	0.16	0.16	0.17	0.17	0.17	0.18	
14	Fees & subscription		0.02		0.01	0.02	0.03	0.03	0.03	0.03	0.03	
15	Printing & Stationery		0.06		0.07	0.07	0.08	0.08	0.08	0.08	0.08	
16	Advertisements, exhibition publicity		0.41		0.13	0.20	0.25	0.26	0.26	0.27	0.27	
17	Contribution/Donations		-		-	-	-	-	-	-	-	
18	Training expenses		-		-	-	-	-	-	-	-	
19	Miscellaneous Expenses		0.59		0.48	0.60	0.62	0.63	0.65	0.66	0.67	
20	DSM activities		-		-	-	-	-	-	-	-	
21	SRPC expenses		-		-	-	-	-	-	-	-	
22	Sports and related activities		-		-	-	-	-	-	-	-	
23	Freight		-		-	-	-	-	-	-	-	
24	Purchase Related Advertisement Expenses		-		-	-	-	-	-	-	-	
25	Bank Charges		-		-	-	-	-	-	-	-	
26	Office Expenses		-		-	-	-	-	-	-	-	
27	License Fee and other related fee		0.96		3.05	3.20	3.37	3.53	3.71	3.90	4.09	
28	Cost of services procured		-		-	-	-	-	-	-	-	
29	Outsourcing of metering and billing system		-		-	-	-	-	-	-	-	
30	V-sat, Internet and related charges		0.13		0.15	0.16	0.16	0.16	0.17	0.17	0.17	
31	Security arrangements		47.76		44.25	46.46	48.78	51.22	53.78	56.47	67.76	
32	Books & periodicals		0.00		-	0.00	0.00	0.00	0.00	0.00	0.00	
33	Computer Stationery		0.06		0.03	0.11	0.12	0.12	0.12	0.13	0.13	
34	Others		-		-	-	-	-	-	-	-	
35	Gross A&G Expenses		73.11		71.25	69.14	71.73	74.81	77.68	80.69	83.84	95.61
36	Ele. Duty u/s 3(I), KED Act		-		-	-	-	-	-	-	-	-
37	Less: Expenses Capitalised		-		-	-	-	-	-	-	-	-
38	Net A&G Expenses		73.11		71.25	69.14	71.73	74.81	77.68	80.69	83.84	95.61

Form D.3.4 (c)

Repair & Maintenance Expenses

Name of Licensee:

Rs. Crores/ lakhs

S. No.	Particulars	Reference	2019-20	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Remarks
			Audited	Trued up	Audited	Estimated	Projected	Projected	Projected	Projected	Projected	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Plant & Machinery		28.15	28.15	24.83	30.94	32.32	33.76	35.26	36.83	38.47	
2	Buildings											
3	Civil Works											
4	Hydraulic Works											
5	Lines & Cable Networks											
6	Vehicles											
7	Furniture & Fixtures											
8	Office Equipment											
9	Gross R&M Expenses		28.15	28.15	24.83	30.94	32.32	33.76	35.26	36.83	38.47	
10	Less: Expenses Capitalised											
11	Net R&M Expenses		28.15	28.15	24.83	30.94	32.32	33.76	35.26	36.83	38.47	

Form D 3.5

Fixed assets & depreciation

Name of Distribution Business/Licensee Cochin Port Trust
Licensed Area of Supply Willingdon Island & Vallarpadam

Year 2019-20 (Actuals)

(Rs. in Lakhs)

S. No.	Asset Group (as per notification in respect of depreciation)	Rate of depreciation (%)	Gross fixed assets				Salvage Value @ 10% of GFA	Provision for depreciation				Net fixed assets at the beginning of the year	Net Fixed Assets at the end of the year
			At the beginning of the year	Additions during the year	Adjustment & deducitons	At the end of the year		Cumulative upto the begining of the year	Additions during the year	Adjustment during the year	Cumulative at the end of the year		
1	2	3	4	5	6	7	8	9	10	11	12	13	
1	Land & land rights												
2	Other Civil works												
3	HV Distribution system												
a)	Distribution lines (LT lines)		33.37	2.58		35.96	3.60	24.44	2.28	26.72	8.93	9.24	
b)	Sub-station equipments		3725.21	37.55		3,762.76	376.28	1,540.27	160.81	1,701.08	2,184.94	2,061.68	
i)	Transformers (11KV)		370.28	-		370.28	37.03	228.34	12.11	240.45	141.94	129.82	
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others		152.84	63.15		216.00	21.60	102.52	5.01	107.53	50.33	108.47	
4	LT Distribution system												
a)	Distribution lines												
b)	Sub-station equipments												
i)	Transformers												
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others												
5	Communication equipment												
6	Meters		5.67			5.67	0.57	5.00	0.01	5.01	0.67	0.66	
7	Solar Top panel												
8	Vehicles												
9	Furniture & fixtures												
10	Office Equipments												
11	Assets of Partnership projects etc.												
12	Capital spares of HV & LT transmissison												
13	Assets taken over & pending final valuation												
14	IT Equipments												
15	Any other items												
16	Gross Asset (Total (1) to (15))		4287.38	103.29	0.00	4,390.66	439.07	1,900.56	180.22	0.00	2,080.79	2,386.81	2,309.87
17	Less: Consumer contribution												
18	Less: Government grants												
19	Less: Deposit Works												
20	Less: Capital Subsidies												
21	Net Asset considered for depreciation (16-17-18-19-20)		4287.38	103.29	0.00	4,390.66	439.07	1,900.56	180.22	0.00	2,080.79	2,386.81	2,309.87

Form D 3.5

Fixed assets & depreciation

Name of Distribution Business/Licensee Cochin Port Trust
 Licensed Area of Supply Willingdon Island & Vallarpadam

Year 2020-21 (Actuals)

(Rs. in lakhs)

S. No.	Asset Group (as per notification in respect of depreciation)	Rate of depreciation (%)	Gross fixed assets				Salvage Value @ 10% of GFA	Provision for depreciation				Net fixed assets at the beginning of the year	Net Fixed Assets at the end of the year
			At the beginning of the year	Additions during the year	Adjustment & deducitons	At the end of the year		Cumulative upto the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of the year		
1	2	3	4	5	6	7	8	10	11	12	13	14	15
1	Land & land rights												
2	Other Civil works												
3	HV Distribution system												
a)	Distribution lines (LT lines)		35.96	5.95		41.91	4.19	26.72	2.34		29.06	9.24	12.85
b)	Sub-station equipments		3,762.76	106.35		3,869.11	386.91	1,701.08	167.49		1,868.58	2,061.68	2,000.53
i)	Transformers (11KV)		370.28			370.28	37.03	240.45	12.11		252.57	129.82	117.71
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others		216.00			216.00	21.60	107.53	6.06		113.58	108.47	102.42
4	LT Distribution system												
a)	Distribution lines												
b)	Sub-station equipments												
i)	Transformers												
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others												
5	Communication equipment												
6	Meters		5.67			5.67	0.57	5.01	0.01		5.03	0.66	0.65
7	Vehicles												
8	Furniture & fixtures												
9	Office Equipments												
10	Assets of Partnership projects etc.												
11	Capital spares of HV & LT transmissison												
12	Assets taken over & pending final valuation												
13	IT Equipments												
15	Any other items												
16	Gross Asset (Total (1) to (15))		4,390.66	112.30	-	4,502.96	450.30	2,080.79	188.02	-	2,268.81	2,309.87	2,234.15
17	Less: Consumer contribution												
18	Less: Government grants												
19	Less: Deposit Works												
20	Less: Capital Subsidies												
21	Net Asset considered for depriciation (16-17-18-19-20)		4,390.66	112.30	0.00	4,502.96	450.30	2,080.79	188.02	-	2,268.81	2,309.87	2,234.15

2,309.87 2,234.15

Note :

- The figures at the beginning of the year & that at the end of previous year will be the same
- The write off of depreciated price of unserviceable assets & assets not in use/lost/damaged in natural calamity or assets sold or cost of buy back of assets are to be included in this schedule.

Form D 3.5

Fixed assets & depreciation

Name of Distribution Business/Licensee Cochin Port Trust
Licensed Area of Supply Willingdon Island & Vallarpadam

Year 2021-22(Estimate)

(Rs. in lakhs)

S. No.	Asset Group (as per notification in respect of depreciation)	Rate of depreciation (%)	Gross fixed assets				Salvage Value @ 10% of GFA	Provision for depreciation				Net fixed assets at the beginning of the year	Net Fixed Assets at the end of the year
			At the beginning of the year	Additions during the year	Adjustment & deductions	At the end of the year		Cumulative upto the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of the year		
1	2	3	4	5	6	7	8	10	11	12	13	14	15
1	Land & land rights												
2	Other Civil works												
3	HV Distribution system												
a)	Distribution lines (LT lines)		3,869.11			3,869.11	386.91	1,868.58	168.60		2,037.18	2,000.53	1,831.93
b)	Sub-station equipments		41.91			41.91	4.19	29.06	1.51		30.56	12.85	11.34
i)	Transformers (11KV)		370.28			370.28	37.03	252.57	12.17		264.74	117.71	105.53
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others		216.00			216.00	21.60	113.58	7.07		120.65	102.42	95.35
4	LT Distribution system												
a)	Distribution lines												
b)	Sub-station equipments												
i)	Transformers												
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others												
5	Communication equipment												
6	Meters		5.67			5.67	0.57	5.03	0.01		5.04	0.65	0.63
7	Vehicles												
8	Furniture & fixtures												
9	Office Equipments												
10	Assets of Partnership projects etc.												
11	Capital spares of HV & LT transmissison												
12	Assets taken over & pending final valuation												
13	IT Equipments												
15	Any other items												
16	Gross Asset (Total (1) to (15))		4,502.96	-	-	4,502.96	450.30	2,268.81	189.37	-	2,458.17	2,234.15	2,044.79
17	Less: Consumer contribution												
18	Less: Government grants												
19	Less: Deposit Works												
20	Less: Capital Subsidies												
21	Net Asset considered for depreciation (16-17-18-19-20)		4,502.96	-	-	4,502.96	450.30	2,268.81	189.37	-	2,458.17	2,234.15	2,044.79

2,234.15 2,044.79

- Note :
- The figures at the beginning of the year & that at the end of previous year will be the same
 - The write off of depreciated price of unserviceable assets & assets not in use/lost/damaged in natural calamity or assets sold or cost of buy back of assets are to be included in this schedule.

Fixed assets & depreciation

Name of Distribution Business/Licensee

Cochin Port Trust

Licensed Area of Supply

Willingdon Island & Vallarpadam

Year 2022-23 (Projection)

(Rs. in lakhs)

S. No.	Asset Group (as per notification in respect of depreciation)	Rate of depreciation (%)	Gross fixed assets				Salvage Value @ 10% of GFA	Provision for depreciation				Net fixed assets at the beginning of the year	Net Fixed Assets at the end of the year
			At the beginning of the year	Additions during the year	Adjustment & deductions	At the end of the year		Cumulative upto the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of the year		
1	2	3	4	5	6	7	8	10	11	12	13	14	15
1	Land & land rights												
2	Other Civil works												
3	HV Distribution system												
a)	Distribution lines (LT lines)		41.91	35.00		76.91	4.19	30.56	0.54		31.10	11.34	45.80
b)	Sub-station equipments		3,869.11	32.00		3,901.11	386.91	2,037.18	109.26		2,146.44	1,831.93	1,754.67
i)	Transformers (11KV)		370.28	55.00		425.28	37.03	264.74	12.05		276.79	105.53	148.49
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others		216.00			216.00	21.60	120.65	6.56		127.21	95.35	88.79
4	LT Distribution system												
a)	Distribution lines												
b)	Sub-station equipments												
i)	Transformers												
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others												
5	Communication equipment												
6	Meters		5.67			5.67	0.57	5.04	0.00		5.04	0.63	0.63
7	Vehicles												
8	Furniture & fixtures												
9	Office Equipments												
10	Assets of Partnership projects etc.												
11	Capital spares of HV & LT transmissison												
12	Assets taken over & pending final valuation												
13	IT Equipments												
15	Any other items												
16	Gross Asset (Total (1) to (15))		4,502.96	122.00	-	4,624.96	450.30	2,458.17	128.41	-	2,586.58	2,044.79	2,038.37
17	Less: Consumer contribution												
18	Less: Government grants												
19	Less: Deposit Works												
20	Less: Capital Subsidies												
21	Net Asset considered for depreciation (16-17-18-19-20)		4,502.96	122.00	-	4,624.96	450.30	2,458.17	128.41	-	2,586.58	2,044.79	2,038.37

2,044.79 2,038.37

Note :

1. The figures at the beginning of the year & that at the end of previous year will be the same
2. The write off of depreciated price of unserviceable assets & assets not in use/lost/damaged in natural calamity or assets sold or cost of buy back of assets are to be included in this schedule.

Form D 3.5

Fixed assets & depreciation

Name of Distribution Business/Licensee Cochin Port Trust
 Licensed Area of Supply Willingdon Island & Vallarpadam

Year 2023-24 (Projection)

(Rs. in lakhs)

S. No.	Asset Group (as per notification in respect of depreciation)	Rate of depreciation (%)	Gross fixed assets				Salvage Value @ 10% of GFA	Provision for depreciation				Net fixed assets at the beginning of the year	Net Fixed Assets at the end of the year
			At the beginning of the year	Additions during the year	Adjustment & deductions	At the end of the year		Cumulative upto the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of the year		
1	2	3	4	5	6	7	8	10	11	12	13	14	15
1	Land & land rights												
2	Other Civil works												
3	HV Distribution system												
a)	Distribution lines (LT lines)		76.91	110.00		186.91	7.69	31.10	2.20		33.31	45.80	153.60
b)	Sub-station equipments		3,901.11	56.00		3,957.11	390.11	2,146.44	110.79		2,257.23	1,754.67	1,699.88
i)	Transformers (11KV)		425.28	8.00		433.28	42.53	276.79	14.20		290.99	148.49	142.29
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others		216.00			216.00	21.60	127.21	8.13		135.34	88.79	80.66
4	LT Distribution system												
a)	Distribution lines												
b)	Sub-station equipments												
i)	Transformers												
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others												
5	Communication equipment												
6	Meters		5.67	6.00		11.67	0.57	5.04	0.00		5.05	0.63	6.63
7	Vehicles												
8	Furniture & fixtures												
9	Office Equipments												
10	Assets of Partnership projects etc.												
11	Capital spares of HV & LT transmissison												
12	Assets taken over & pending final valuation												
13	IT Equipments												
15	Any other items												
16	Gross Asset (Total (1) to (15))		4,624.96	180.00	-	4,804.96	462.50	2,586.58	135.33	-	2,721.91	2,038.37	2,083.05
17	Less: Consumer contribution												
18	Less: Government grants												
19	Less: Deposit Works												
20	Less: Capital Subsidies												
21	Net Asset considered for depreciation (16-17-18-19-20)		4,624.96	180.00	-	4,804.96	462.50	2,586.58	135.33	-	2,721.91	2,038.37	2,083.05

2,038.37

2,083.05

Note :

- The figures at the beginning of the year & that at the end of previous year will be the same
- The write off of depreciated price of unserviceable assets & assets not in use/lost/damaged in natural calamity or assets sold or cost of buy back of assets are to be included in this schedule.

2,083.05

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Form D 3.5

Fixed assets & depreciation

Name of Distribution Business/Licensee Cochin Port Trust
Licensed Area of Supply Willingdon Island & Vallarpadam

Year 2024-25 (Projection)

(Rs. in lakhs)

S. No.	Asset Group (as per notification in respect of depreciation)	Rate of depreciation (%)	Gross fixed assets				Salvage Value @ 10% of GFA	Provision for depreciation				Net fixed assets at the beginning of the year	Net Fixed Assets at the end of the year
			At the beginning of the year	Additions during the year	Adjustment & deductions	At the end of the year		Cumulative upto the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of the year		
1	2	3	4	5	6	7	8	10	11	12	13	14	15
1	Land & land rights												
2	Other Civil works												
3	HV Distribution system												
a)	Distribution lines (LT lines)		186.91	35.00		221.91	18.69	33.31	7.43		40.74	153.60	181.17
b)	Sub-station equipments		3,957.11	644.00		4,601.11	395.71	2,257.23	94.69		2,351.92	1,699.88	2,249.18
i)	Transformers (11KV)		433.28	26.00		459.28	43.33	290.99	14.58		305.57	142.29	153.71
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others		216.00			216.00	21.60	135.34	5.00		140.34	80.66	75.66
4	LT Distribution system												
a)	Distribution lines												
b)	Sub-station equipments												
i)	Transformers												
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others												
5	Communication equipment												
6	Meters		11.67	-		11.67	1.17	5.05	0.29		5.34	6.63	6.34
7	Vehicles												
8	Furniture & fixtures												
9	Office Equipments												
10	Assets of Partnership projects etc.												
11	Capital spares of HV & LT transmissison												
12	Assets taken over & pending final valuation												
13	IT Equipments												
15	Any other items												
16	Gross Asset (Total (1) to (15))		4,804.96	705.00	-	5,509.96	480.50	2,721.91	121.99	-	2,843.90	2,083.05	2,666.06
17	Less: Consumer contribution												
18	Less: Government grants												
19	Less: Deposit Works												
20	Less: Capital Subsidies												
21	Net Asset considered for depreciation (16-17-18-19-20)		4,804.96	705.00	-	5,509.96	480.50	2,721.91	121.99	-	2,843.90	2,083.05	2,666.06

Note :

- The figures at the beginning of the year & that at the end of previous year will be the same
- The write off of depreciated price of unserviceable assets & assets not in use/lost/damaged in natural calamity or assets sold or cost of buy back of assets are to be included in this schedule.

Form D 3.5

Fixed assets & depreciation

Name of Distribution Business/Licensee

Cochin Port Trust

Licensed Area of Supply

Willingdon Island & Vallarpadam

Year 2025-26 (Projection)

(Rs. in lakhs)

S. No.	Asset Group (as per notification in respect of depreciation)	Rate of depreciation (%)	Gross fixed assets				Salvage Value @ 10% of GFA	Provision for depreciation				Net fixed assets at the beginning of the year	Net Fixed Assets at the end of the year
			At the beginning of the year	Additions during the year	Adjustment & deducitons	At the end of the year		Cumulative upto the begining of the year	Additions during the year	Adjustment during the year	Cumulative at the end of the year		
1	2	3	4	5	6	7	8	10	11	12	13	14	15
1	Land & land rights												
2	Other Civil works												
3	HV Distribution system												
a)	Distribution lines (LT lines)		221.91	120.00		341.91	22.19	40.74	9.09		49.83	181.17	292.07
b)	Sub-station equipments		4,601.11	-		4,601.11	460.11	2,351.92	120.74		2,472.66	2,249.18	2,128.44
i)	Transformers (11KV)		459.28	-		459.28	45.93	305.57	15.81		321.38	153.71	137.90
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others		216.00			216.00	21.60	140.34	5.00		145.34	75.66	70.66
4	LT Distribution system												
a)	Distribution lines												
b)	Sub-station equipments												
i)	Transformers												
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others												
5	Communication equipment												
6	Meters		11.67	-		11.67	1.17	5.34	0.29		5.63	6.34	6.05
7	Vehicles												
8	Furniture & fixtures												
9	Office Equipments												
10	Assets of Partnership projects etc.												
11	Capital spares of HV & LT transmissison												
12	Assets taken over & pending final valuation												
13	IT Equipments												
15	Any other items												
16	Gross Asset (Total (1) to (15))		5,509.96	120.00	-	5,629.96	551.00	2,843.90	150.94	-	2,994.84	2,666.06	2,635.12
17	Less: Consumer contribution												
18	Less: Government grants												
19	Less: Deposit Works												
20	Less: Capital Subsidies												
21	Net Asset considered for depreciation (16-17-18-19-20)		5,509.96	120.00	-	5,629.96	551.00	2,843.90	150.94	-	2,994.84	2,666.06	2,635.12

Note :

- The figures at the beginning of the year & that at the end of previous year will be the same
- The write off of depreciated price of unserviceable assets & assets not in use/lost/damaged in natural calamity or assets sold or cost of buy back of assets are to be included in this schedule.

Form D 3.5

Fixed assets & depreciation

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2026-27 (Projection)

(Rs. in lakhs)

S. No.	Asset Group (as per notification in respect of depreciation)	Rate of depreciation (%)	Gross fixed assets				Salvage Value @ 10% of GFA	Provision for depreciation				Net fixed assets at the beginning of the year	Net Fixed Assets at the end of the year
			At the beginning of the year	Additions during the year	Adjustment & deductions	At the end of the year		Cumulative upto the beginning of the year	Additions during the year	Adjustment during the year	Cumulative at the end of the year		
1	2	3	4	5	6	7	8	10	11	12	13	14	15
1	Land & land rights												
2	Other Civil works												
3	HV Distribution system												
a)	Distribution lines (LT lines)		341.91	-		341.91	34.19	49.83	14.80		64.63	292.07	277.28
b)	Sub-station equipments		4,601.11	-		4,601.11	460.11	2,472.66	110.87		2,583.54	2,128.44	2,017.57
i)	Transformers (11KV)		459.28	26.00		485.28	45.93	321.38	14.83		336.21	137.90	149.07
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others		216.00			216.00	21.60	145.34	4.69		150.02	70.66	65.97
4	LT Distribution system												
a)	Distribution lines												
b)	Sub-station equipments												
i)	Transformers												
ii)	Switchgears, Control gear & Protection												
iii)	Batteries												
iv)	Others												
5	Communication equipment												
6	Meters		11.67	-		11.67	1.17	5.63	0.29		5.92	6.05	5.76
7	Vehicles												
8	Furniture & fixtures												
9	Office Equipments												
10	Assets of Partnership projects etc.												
11	Capital spares of HV & LT transmissison												
12	Assets taken over & pending final valuation												
13	IT Equipments												
15	Any other items												
16	Gross Asset (Total (1) to (15))		5,629.96	26.00	-	5,655.96	563.00	2,994.84	145.47	-	3,140.31	2,635.12	2,515.65
17	Less: Consumer contribution												
18	Less: Government grants												
19	Less: Deposit Works												
20	Less: Capital Subsidies												
21	Net Asset considered for depreciation (16-17-18-19-20)		5,629.96	26.00	-	5,655.96	563.00	2,994.84	145.47	-	3,140.31	2,635.12	2,515.65

Note :

- The figures at the beginning of the year & that at the end of previous year will be the same
- The write off of depreciated price of unserviceable assets & assets not in use/lost/damaged in natural calamity or assets sold or cost of buy back of assets are to be included in this schedule.

Form D 3.6 (a)

Calculation of Weighted Average Rate of Interest on Actual Loans

Name of Distribution Licensee:

(Rs. Cr / lakh)

S.No	Particulars (specify items)	2019-20		2020-21		2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Remarks
		Approved in Tariff Order	Audited	Approved in Tariff Order	Audited	Estimated	Projected	Projected	Projected	Projected	Projected	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Loan 1											
i.	Gross Loan -Opening		4260.94		4,260.94	4,260.94	4,260.94	4,260.94	4,260.94	4,260.94	4,260.94	
ii.	Cumulative repayments of Loans upto previous year		426.09		852.18	1,278.28	1,704.38	2,130.47	2,556.56	2,982.66	3,408.75	
iii.	Net loan-Opening		3834.85		3,408.76	2,982.66	2,556.56	2,130.47	1,704.38	1,278.28	852.19	
iv.	Add: Drawal(s) during the Year		0.00		-	-	-	-	-	-	-	
v.	Less: Repayment (s) of Loans during the year		426.09		426.09	426.09	426.09	426.09	426.09	426.09	426.09	
vi.	Net loan - Closing		3408.76		2,982.67	2,556.56	2,130.47	1,704.38	1,278.28	852.19	426.09	
vii.	Average Net Loan		3621.8		3,195.72	2,769.61	2,343.52	1,917.42	1,491.33	1,065.24	639.14	
viii.	Rate of Interest on Loan on annual basis					-	-	-	-	-	-	
ix.	Interest on loan		420.19		373.51	326.82	280.13	233.44	186.75	140.06	93.38	
x.	Loan repayment effective from (date to be indicated)		2018-19		2018-19							
2	Loan 2											
i.	Gross Loan -Opening		124.68		416.61	416.61	416.61	477.61	567.61	920.11	980.11	
ii.	Cumulative repayments of Loans upto previous year		-		-							
iii.	Net loan-Opening		124.68		416.61	416.61	416.61	477.61	567.61	920.11	980.11	
iv.	Add: Drawal(s) during the Year		291.93		195.38	-	122.00	180.00	705.00	120.00	26.00	
v.	Less: Repayment (s) of Loans during the year		-		-							
vi.	Net loan - Closing		416.61		611.99	416.61	538.61	657.61	1,272.61	1,040.11	1,006.11	
vii.	Average Net Loan		270.64		514.30	416.61	477.61	567.61	920.11	980.11	993.11	
viii.	Rate of Interest on Loan on annual basis		8.55%		8.15%	7.40%	7.40%	7.40%	7.40%	7.40%	7.40%	
ix.	Interest on loan		23.14		41.92	30.83	35.34	42.00	68.09	72.53	73.49	
x.	Loan repayment effective from (date to be indicated)											
4	Total Loan											
i.	Gross Loan -Opening		4,385.62		4,677.55	4,677.55	4,677.55	4,738.55	4,828.55	5,181.05	5,241.05	
ii.	Cumulative repayments of Loans upto previous year		426.09		852.18	1,278.28	1,704.38	2,130.47	2,556.56	2,982.66	3,408.75	
iii.	Net loan-Opening		3,959.53		3,825.37	3,399.27	2,973.17	2,608.08	2,271.99	2,198.39	1,832.30	
iv.	Add: Drawal(s) during the Year		291.93		195.38	-	122.00	180.00	705.00	120.00	26.00	
v.	Less: Repayment (s) of Loans during the year		426.09		426.09	426.09	426.09	426.09	426.09	426.09	426.09	
vi.	Net loan - Closing		3,825.37		3,594.66	2,973.17	2,669.08	2,361.99	2,550.89	1,892.30	1,432.20	
vii.	Average Net Loan		3,892.45		3,710.02	3,186.22	2,821.13	2,485.03	2,411.44	2,045.35	1,632.25	
viii.	Interest on Loan		443.33		415.42	357.65	315.47	275.44	254.84	212.59	166.87	
ix.	Weighted average Rate of Interest on Loans		10.08%		9.92%	9.60%	9.68%	9.79%	9.96%	10.27%	11.00%	

Note: In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form

Form D 3.7

Interest on Working Capital

Name of Distribution Business/Licensee:

(Rs. In lakh)

Sl.No.	Particulars	2019-20			2020-21			2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Remarks
		Approved in Tariff Order	Audited	Trued Up	Approved in Tariff Order	Audited	Truing Up requirement	Estimated	(Projected)	(Projected)	(Projected)	(Projected)	(Projected)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	O&M expenses (as per norms)	81.42	76.08	40.12	83.26	71.95		79.79	89.55	81.28	77.01	76.90	72.74	
2	Maintenance Spares (as per norms)			-	-									
3	Receivables (as per norms)	528.48	557.06	557.06	561.25	531.36		548.80	629.30	683.94	763.04	1009.32	1104.68	
	Total	609.90	633.14	597.18	644.51	603.32	-	628.59	718.85	765.23	840.05	1,086.22	1,177.43	
	Less:			-										
4	Security deposits except security deposits held in the form of Bank Guarantee from Users	555.63	528.74	528.74	588.97	522.40		522.40	522.40	522.40	522.40	522.40	522.40	
	Less:			-										
5	Cost of Power Purchase (as per norms)			-	-									
6	Total Working Capital	54.27	104.40	68.44	55.54	80.92	-	106.19	196.45	242.83	317.65	563.82	655.03	
7	Interest Rate (as per norms)	10.15%	10.55%	10.55%	10.15%	9.75%		9.00%	9.00%	9.00%	9.00%	9.00%	9.00%	
8	Interest on Working Capital (actual)	5.51	11.02	7.22	5.64	7.89		9.56	17.68	21.85	28.59	50.74	58.95	

(Rs. In lakh)

S.No.	Particulars	Ref.	2019-20			2020-21			2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
			Approved in Tariff Order	Audited	Trued Up approved by the Commission	Approved in Tariff Order	Audited	Trued Up approved by the Commission	Estimated	(Projected)	(Projected)	(Projected)	(Projected)	(Projected)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Equity at the beginning of the year													
2	Capitalisation													
3	Equity portion of capitalisation													
4	Equity at the end of the year													
	Return Computation													
5	Return on Equity at the beginning of the year	14%*(1)												
6	Return on Equity portion of capitalisation	14%*(3)/2												
7	Total Return on Equity	(5)+(6)												
	In case equity invested in the regulated Business is not clearly identifiable													
8	Net Fixed Assets - net of Consumer Contribution & Grants (at the beginning of the year)	(8)	2,335.46	2,386.81	2,386.80	2,175.14	2,309.87		2,234.15	2,044.79	2,038.37	2,083.05	2,666.06	2,635.12
9	Rate of return		3%	3%	3%	3%	3%	3%	3%	5.50%	5.50%	5.50%	5.50%	5.50%
10	Total return on net fixed assets		70.06	71.60	71.60	65.25	69.30	-	67.02	112.46	112.11	114.57	146.63	144.93

Form D 4.2

Consolidated report on additions to Fixed Assets during the year

Name of Distribution Business/Licensee:

Year: 2019-20(Actual)

(Rs.in lakhs)

S.No.	Asset Description	Asset Code	Total Addition to Assets	Date of Commissioning	Remarks
1	2	3	4	5	6
1	Providing Shore Power to UTL & near berth	12200065	37.55	29.02.2020	
2	Supply & Erection of 100 KWP Solar Panel	10900101	63.15	15.10.2019	
3	Electrification of CISF Barracks	10300363	2.58	15.06.2019	
	Total		103.29		

Year: 2020-21(Actual)

(Rs.in lakhs)

S.No.	Asset Description	Asset Code	Total Addition to Assets	Date of Commissioning	Remarks
1	2	3	4	5	6
1	Providing Shore Power to UTL & near berth	11000214	25.37	29-02-2020	
2	STREN Distribution Network (Standardization)	11000215	80.97	31-03-2019	
3	Replacing the old HT cable from E/Wharf	11000217	5.95	13-02-2021	
	Total		112.30		

Year: 2021-22 (Estimate)

(Rs.in lakhs)

S.No.	Asset Description	Asset Code	Total Addition to Assets	Date of Commissioning	Remarks
1	2	3	4	5	6

Form D 4.2

Consolidated report on additions to Fixed Assets during the year
Year: 2022-23 (Projection)

(Rs.in lakhs)

S.No.	Asset Description	Asset Code	Total Addition to Assets	Date of Commissioning	Remarks
1	2	3	4	5	6
1	Replacement of old transformer		32.00	31-03-2023	
2	New RMU and Replacement of old, RMU HT /LT switch gearsetc for supply redundancy, new areas etc.		55.00	31-03-2023	
3	New, Additional and Replacement of old HT and LT cables in distribution networks for supply redundancy, new areas etc.		35.00	31-03-2023	
	Total		122.00		

Year: 2023-24 (Projection)

(Rs.in lakhs)

S.No.	Asset Description	Asset Code	Total Addition to Assets	Date of Commissioning	Remarks
1	2	3	4	5	6
1	Installation of NEW 11KV Cables for supply and redundancy		83.00	31-03-2024	
2	Replacement of HT old cables		27.00	31-03-2024	
3	11KV Bay extension		8.00	31-03-2004	
4	Installation of star rated distribution tranformer		56.00	31-03-2024	
5	DT metering		6.00	31-03-2024	
	Total		180.00		

Form D 4.2

Consolidated report on additions to Fixed Assets during the year
Year: 2024-25 (Projection)

(Rs.in lakhs)

S.No.	Asset Description	Asset Code	Total Addition to Assets	Date of Commissioning	Remarks
1	2	3	4	5	6
1	Installation of star rated distribution transformer		40.00	31-03-2025	
2	RMU		26.00	31-03-2025	
3	LT AB cables and UG cables for replacement of OH lines and rearranging the distribution has per load centres.		35.00	31-03-2025	
4	Scada/ RTDAS		64.00	31-03-2025	
5	Providing shore supply to cruise and other cargo vessels etc.		540.00	31-03-2025	
	Total		705.00		

Year: 2025-26 (Projection)

(Rs.in lakhs)

S.No.	Asset Description	Asset Code	Total Addition to Assets	Date of Commissioning	Remarks
1	2	3	4	5	6
1	Installation of NEW 11KV Cables for supply and redundancy		80.00	31-03-2026	
2	LT AB cables and UG cables for replacement of OH lines and rearranging the distribution has per load centres.		40.00	31-03-2026	
	Total		120.00		

Year: 2026-27 (Projection)

(Rs.in lakhs)

S.No.	Asset Description	Asset Code	Total Addition to Assets	Date of Commissioning	Remarks
1	2	3	4	5	6
1	RMU		26.00	31-03-2027	
	Total		26.00		

Form D 4.3**General (Other debits, write offs or any other items)**

Name of Distribution Business/Licensee:

(Rs. In lakh)

S. No.	Particulars (specify items)	2019-20			2020-21			2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Remarks
		Approved in Tariff Order	Audited	Truing Up approved by the commission	Approved in Tariff Order	Audited	Truing Up approved by the commission	Estimated	Projected	Projected	Projected	Projected	Projected	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Interest payable on Security Deposit of consumers	32.76	33.20	33.20	34.73	23.52	-	23.52	23.52	23.52	23.52	23.52	23.52	
2														
	Total													
	Less													
	Chargable to Capital Expenses													
	Net chargable to revenue													

Form D 5.1**Consumer category wise Existing Tariff**

Name of Distribution Business/Licensee:

S.No.	Particulars	Demand / Fixed charges	Energy Charges
		2019-20	
		<Please specify Unit>	<Please specify Unit>
1	2	3	4
	LT Categories		
1	LT I	3,03,340.00	30,98,137.10
2	LT II	1,23,340.00	29,92,680.00
3	LT IV A	74,500.00	73,737.50
4	LT VIA	89,580.00	13,74,409.30
5	LT VIB	2,64,220.00	22,29,776.70
6	LT VIB (G)	2,05,870.00	8,96,416.18
7	LT VIC	5,05,440.00	15,75,162.50
8	LT VIC (G)	2,20,340.00	4,22,223.55
9	LT VIF	1,43,200.00	20,37,101.80
10	LT VIIA Single Phase	4,99,940.00	23,75,197.60
11	LT VIIA Three Phase	1,26,11,823.59	3,22,15,944.60
12	LT VII C	45,520.00	1,66,648.70
13	LT VIII B	1,560.00	29,697.49
14	Income from Self Consumption	8,74,077.22	1,70,76,936.45
15	STREET LIGHT- SELF	-	-
	HT Categories		
1	HT I (A) Industry	10,11,660.00	36,62,447.45
2	HT II (A)	31,79,473.55	62,60,740.61
3	HT II B Central Govt	8,66,877.42	28,37,495.31
4	HT IV (A) Commercial	4,47,71,940.00	17,30,55,106.45
5	HT IV (BH)	18,59,326.45	1,39,55,762.49
	Extra High Tension (EHT)		
	Bulk Consumers/ Licensees		
	Grand Total	6,76,52,028.23	26,63,35,621.78

Note: consumer categories in the forms are indicative only. Distribution Business/Licensee should indicate actual consumer categories as per tariff (as per existing tariff for previous & current year).

Form D 5.2

Consumer category wise Proposed Tariff

Name of Distribution Business/Licensee:

S.No.	Particulars	Demand / Fixed charges	Energy Charges	Demand / Fixed charges	Energy Charges	Demand / Fixed charges	Energy Charges	Demand / Fixed charges	Energy Charges	Demand / Fixed charges	Energy Charges	Demand / Fixed charges	Energy Charges
		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27	
1	2	<Please specify Unit>	<Please specify Unit>	<Please specify Unit>	<Please specify Unit>	<Please specify Unit>	<Please specify Unit>	<Please specify Unit>	<Please specify Unit>	<Please specify Unit>	<Please specify Unit>	<Please specify Unit>	<Please specify Unit>
3	4	3	4	3	4	3	4	3	4	3	4	3	4
LT Categories													
1	LT I DOMESTIC	3,42,370.67	29,61,774.73	4,91,062.25	32,95,862.92	5,15,615.36	34,60,656.07	5,46,552.28	36,68,295.43	5,79,345.42	38,88,393.16	6,14,106.14	41,21,696.75
2	LT II COLONY	2,35,200.00	26,57,440.00	5,40,960.00	30,16,194.40	5,68,008.00	31,67,004.12	6,02,088.48	33,57,024.37	6,38,213.79	35,58,445.83	6,76,506.62	37,71,952.58
3	LT IV A (Industry) (RC3)	1,08,669.33	56,173.67	1,22,524.67	60,302.43	1,28,650.91	63,317.55	1,36,369.96	67,116.61	1,44,552.16	71,143.60	1,53,225.29	75,412.22
4	LT VI A (RC4C)	68,640.00	4,33,581.33	77,350.42	4,64,062.10	81,217.94	4,87,265.21	86,091.01	5,16,501.12	91,256.47	5,47,491.19	96,731.86	5,80,340.66
5	LT VI B	1,47,306.67	9,05,443.28	1,73,085.33	9,74,800.24	1,81,739.60	10,23,540.25	1,92,643.98	10,84,952.66	2,04,202.61	11,50,049.82	2,16,454.77	12,19,052.81
6	LT VI B G	2,68,560.00	9,95,215.47	3,15,558.00	10,71,448.97	3,31,335.90	11,25,021.42	3,51,216.05	11,92,522.71	3,72,289.02	12,64,074.07	3,94,626.36	13,39,918.51
7	LT VI C	4,69,440.00	20,55,361.33	4,92,912.00	21,98,208.95	5,17,557.60	23,08,119.39	5,48,611.06	24,46,606.56	5,81,527.72	25,93,402.95	6,16,419.38	27,49,007.13
8	LT VI C G	2,20,320.00	4,74,605.33	2,31,336.00	5,07,590.40	2,42,902.80	5,32,969.92	2,57,476.97	5,64,948.12	2,72,925.59	5,98,845.01	2,89,301.12	6,34,775.71
9	LT VI F	1,19,280.00	17,88,060.00	1,50,292.80	19,47,197.34	1,57,807.44	20,44,557.21	1,67,275.89	21,67,230.64	1,77,312.44	22,97,264.48	1,87,951.19	24,35,100.35
10	LT VII A SINGLE PHASE	5,50,974.67	23,31,279.20	6,57,257.68	24,78,849.17	6,90,120.56	26,02,791.63	7,31,527.80	27,58,959.13	7,75,419.47	29,24,496.68	8,21,944.63	30,99,966.48
11	LT VII A THREE PHASE	84,65,774.67	3,05,25,550.67	1,00,98,822.60	3,24,57,818.02	1,06,03,763.73	3,40,80,708.93	1,12,39,989.55	3,61,25,551.46	1,19,14,388.93	3,82,93,084.55	1,26,29,252.26	4,05,90,669.62
12	LT VII C	1,124.00	248.00	1,348.80	271.63	1,416.24	285.22	1,501.21	302.33	1,591.29	320.47	1,686.76	339.70
13	LT VIII B Street lights	1,800.00	37,180.67	2,790.00	42,497.50	2,929.50	44,622.38	3,105.27	47,299.72	3,291.59	50,137.70	3,489.08	53,145.97
14	Self consumption & Street lights Self	14,63,220.00	2,12,71,334.86	17,74,007.93	2,30,49,618.45	18,62,708.32	2,42,02,099.38	19,74,470.82	2,56,54,225.34	20,92,939.07	2,71,93,478.86	22,18,515.42	2,88,25,087.59
HT Categories													
1	HT I GOVT	48,85,726.60	73,50,813.49	57,90,074.59	80,46,200.45	60,79,578.32	84,48,510.47	64,44,353.02	89,55,421.10	68,31,014.20	94,92,746.37	72,40,875.06	1,00,62,311.15
2	HT I INDUSTRY	10,13,681.33	30,09,764.03	12,13,477.92	33,43,546.86	12,74,151.82	35,10,724.20	13,50,600.93	37,21,367.65	14,31,636.99	39,44,649.71	15,17,535.20	41,81,328.69
3	HT II (B) C GOVT	8,13,706.67	21,64,164.83	9,65,381.59	24,67,364.32	10,13,650.67	25,90,732.53	10,74,469.71	27,46,176.49	11,38,937.89	29,10,947.08	12,07,274.16	30,85,603.90
4	HT IV COMMERCIAL	4,41,40,589.60	14,37,87,682.87	5,66,58,860.81	16,48,52,578.41	6,51,57,689.93	18,13,37,836.25	7,55,82,920.32	20,85,38,511.68	8,01,17,895.54	22,93,92,362.85	8,49,24,969.27	24,31,55,904.62
5	HT IV B HOTEL	56,51,153.33	3,73,82,160.75	65,75,682.02	4,08,40,010.62	69,04,466.12	4,28,82,011.15	73,18,734.09	4,54,54,931.82	77,57,858.13	4,81,82,227.72	82,23,329.62	5,10,73,161.39
Extra High Tension (EHT)		-	-	-	-	-	-	-	-	3,31,20,000.00	7,88,40,000.00	4,96,80,000.00	8,98,77,600.00
Bulk Consumers/ Licensees													
Grand Total		6,89,67,537.53	26,01,87,834.50	8,63,32,785.41	29,11,14,423.19	9,63,15,310.77	31,39,12,773.27	10,86,09,998.40	34,90,67,944.93	14,82,46,598.31	45,71,93,562.09	17,17,14,194.21	49,09,32,375.81

Form D 6.1**Improvement in performance**

Name of Distribution Business/Licensee:

S.No.	Particulars	Ref	MYT Control Period								Remarks
			2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	
1	2	3	4	5	6	7	8	9	10	11	12
1	Distribution Losses (%)		1.88		1.94	1.94	1.94	1.94	1.98	1.98	
2	Collection Efficiency (%)		99.43	100	100	100	100	100	100	100	
3	Distribution losses (%) for:			1.96	1.94	1.94	1.94	1.94	1.98	1.98	
	(a) Urban areas with population exceeding 1 lakh		1.90								
	(b) Industrial areas of load exceeding 5 MVA		NA								
	(c) Rural areas		NA								
4 (a)	Percentage of consumers billed		100.00	100%	100%	100%	100%	100%	100%	100%	
4 (b)	Revenue realisation (Rs Cr)		-								
5	Stopped Meters %		Nil	0%							
6 (a)	Defective meters/metering arrangement %		0.02	2%							
6 (b)	Replacement of Defective meters %		100.00	2%							
7	Supply availability %			99.50%							
(1)	Base Load supply availability		99.89	99.50%							
(a)	Actual contracted Base Load supply in MW		9.50	9.5 MVA	9.5 MVA	10.5 MVA	11.00 MVA	11.5 MVA	15.00 MVA	16.5 MVA	
(b)	Base Load in MW		9.50	9.5 MVA	9.5 MVA	10.5 MVA	11.00 MVA	11.5 MVA	15.00 MVA	16.5 MVA	
(c)	Base Load supply availability (%) (c=a/b)		100.00	100%							
(2)	Peak Load supply availability		100.00	100%							
(d)	Actual Contracted Peak Load Supply in MW		9.50	9.5							
(e)	Peak load in MW		7.80	8.281							
(f)	Peak Load Supply Availability (%) (c=a/b)		100.00	100%							
	Supply availability % = (0.75*c + 0.25*f)		100.00	100%							
8	Transformer failure rate										
a.	Distribution transformers (%)		0.03	2.50%							
b.	Power transformers (%)		Nil	0							

Form D 7.1**Category-wise Sales**Name of Distribution Business/Licensee
Licensed Area of SupplyCochin Port Trust
Willingdon Island & Vallarpadam

Year 2019-20 (Actual)

(MU / lakh consumers)

S. No.	Consumer Category & Consumption Slab	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	HT Category													
1	HT GOVT	45,516	43,392	53,160	53,088	75,516	78,840	43,500	46,548	66,060	61,224	47,216	37,932	6,51,992
2	HT II (B) GOVT	91,505	83,979	86,944	74,401	87,309	74,718	78,224	79,764	1,18,709	1,22,403	1,35,930	1,33,731	11,67,617
3	HT IV COMMERCIAL	42,126	37,902	44,316	32,877	34,449	27,867	28,977	30,459	32,847	31,680	35,145	32,091	4,10,736
4	HT INDUSTRIAL	21,68,504	21,92,069	22,40,754	19,65,482	21,29,060	20,90,233	20,03,456	20,67,110	20,30,793	15,68,576	14,49,865	14,14,709	2,33,20,611
5	HT IV MALABAR	-	-	-	-	-	-	-	-	-	5,55,164	5,73,774	4,99,512	16,28,450
	Total	23,47,651	23,57,342	24,25,174	21,25,848	23,26,334	22,71,658	21,54,157	22,23,881	22,48,409	23,39,047	22,41,930	21,17,975	2,71,79,406
	LT Category													
1	LT I	89,638	80,364	82,552	80,423	65,839	60,182	63,076	62,163	71,548	73,019	73,204	70,472	8,72,480
2	LT II	42,400	32,160	35,060	31,740	32,080	20,160	18,640	23,220	27,480	30,720	32,780	25,640	3,52,080
3	LT IV	1,441	1,324	2,040	1,640	1,760	720	840	840	-	1,520	680	480	13,285
4	LT VI A	34,771	28,204	31,300	21,642	18,568	25,685	19,611	7,275	8,775	7,368	9,313	6,161	2,18,673
5	LT VI B	32,217	25,579	23,392	25,964	26,615	23,736	22,411	27,893	25,560	30,511	33,765	23,381	3,21,024
6	LT VI B (G)	10,922	9,799	8,996	7,804	7,779	12,450	8,937	10,514	11,180	12,968	13,099	10,740	1,25,188
7	LT VI C	12,310	10,412	9,231	12,672	11,634	8,313	12,764	21,294	20,036	23,345	26,994	16,409	1,85,414
8	LT VI C (G)	5,632	4,397	4,550	4,105	4,327	4,318	3,501	4,474	3,298	4,943	5,337	3,823	52,705
9	LT VI F	23,164	20,756	21,278	21,570	25,111	18,186	13,229	17,020	13,592	18,996	19,268	14,175	2,26,345
10	LT VII A SINGLE PHASE	36,268	29,907	29,604	27,855	24,322	21,538	20,161	25,321	27,320	27,782	31,937	25,716	3,27,731
11	LT VII A THREE PHASE	3,95,137	3,40,524	3,49,755	3,08,914	2,95,436	2,49,550	2,24,271	2,82,362	2,83,022	3,03,177	3,33,707	2,58,382	36,24,237
12	LT VII C	2,763	1,962	2,005	2,101	2,005	1,336	1,623	1,568	1,780	2,002	1,903	1,306	22,354
13	LT VIII B - Street Lights	924	842	792	498	593	612	432	522	414	789	749	462	7,629
14	Income from Self Consumption	1,33,202	1,20,229	1,13,333	1,22,435	1,10,563	87,757	84,955	1,49,950	-	2,16,647	1,03,646	19,62,470	32,05,187
	Total	8,20,789	7,06,459	7,13,888	6,69,363	6,26,632	5,34,543	4,94,451	6,34,416	4,94,005	7,53,787	6,86,382	24,19,617	95,54,332
	Grand Total	31,68,440	30,63,801	31,39,062	27,95,211	29,52,966	28,06,201	26,48,608	28,58,297	27,42,414	30,92,834	29,28,312	45,37,592	3,67,33,738

Form D 7.1

Category-wise Sales

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2020-21 (Actual)

(MU units)

S. No.	Consumer Category & Consumption Slab	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	HT Category													
1	HT I GOVT	1,20,299	65,339	1,06,073	1,03,779	98,736	98,287	1,01,675	1,01,681	1,06,038	1,11,332	1,03,690	1,16,781	12,33,710
2	HT I INDUSTRY	25,424	13,896	23,476	29,940	33,649	51,823	57,080	59,440	48,892	67,388	69,376	47,560	5,27,944
3	HT II (B) C GOVT	31,245	21,966	30,735	27,576	26,294	26,470	27,135	28,449	30,849	32,427	29,853	31,788	3,44,787
4	HT IV COMMERCIAL	15,27,401	12,31,644	14,88,550	14,73,462	15,30,616	15,34,800	16,34,126	17,38,763	18,16,702	19,56,539	17,88,451	16,44,188	1,93,65,242
5	HT IV B HOTEL	3,99,164	1,70,068	2,20,656	2,83,614	3,50,101	3,51,402	3,27,352	3,58,696	3,61,986	4,26,864	4,17,744	3,99,528	40,67,175
	Total	21,03,533	15,02,913	18,69,490	19,18,371	20,39,396	20,62,782	21,47,368	22,87,029	23,64,467	25,94,550	24,09,114	22,39,845	2,55,38,858
	LT Category													
1	LT I DOMESTIC	83,884	84,394	81,366	67,517	67,542	68,585	62,634	65,436	64,839	64,302	64,535	61,217	8,36,251
2	LT II COLONY	25,800	38,460	36,820	26,640	25,240	26,020	22,980	25,820	24,680	25,040	25,580	25,420	3,28,500
3	LT IV A (Industry) (RC3)	320	560	680	520	400	360	320	400	280	400	240	360	4,840
4	LT VI A (RC4C)	3,448	4,212	4,996	6,157	5,119	4,583	5,041	4,830	5,182	5,241	5,739	5,999	60,547
5	LT VI B	14,236	13,564	17,228	15,383	14,904	15,874	13,412	14,554	15,151	17,620	17,892	11,649	1,81,467
6	LT VI B G	8,254	7,650	10,809	19,826	10,669	10,684	11,327	10,611	11,824	11,826	11,155	11,804	1,36,439
7	LT VI C	19,891	18,565	22,727	21,607	20,719	18,592	18,518	18,452	21,234	20,895	21,073	22,325	2,44,598
8	LT VI C G	2,847	3,507	4,318	4,337	4,703	4,474	4,190	4,588	5,146	5,089	5,243	5,084	53,526
9	LT VI F	13,628	17,987	18,215	17,403	17,904	16,511	16,359	16,953	16,366	16,936	16,509	15,165	1,99,936
10	LT VII A SINGLE PHASE	14,730	16,089	25,748	24,701	23,492	24,310	23,894	26,865	28,022	29,467	30,277	27,726	2,95,321
11	LT VII A THREE PHASE	1,64,988	1,82,180	2,44,185	2,32,984	2,27,109	2,12,790	2,19,234	2,35,317	2,43,545	2,52,453	2,47,174	2,47,971	27,09,930
12	LT VII C	667	1,462	1,222	1,107	563	1,082	1,103	961	941	1,169	1,363	19	11,659
13	LT VIII B Street lights	336	297	338	521	619	760	702	639	728	747	983	879	7,549
14	Self consumption	2,36,050	2,46,283	1,87,968	1,99,494	2,19,326	2,31,725	2,46,172	2,67,739	2,30,616	2,15,939	2,45,896	2,37,819	27,65,024
15	STREET LIGHT- SELF												11,70,320	11,70,320
	Total	5,89,079	6,35,210	6,56,620	6,38,197	6,38,309	6,36,350	6,45,886	6,93,165	6,68,554	6,67,124	6,93,659	18,43,757	90,05,907
	Grand Total	26,92,612	21,38,123	25,26,110	25,56,568	26,77,705	26,99,132	27,93,254	29,80,194	30,33,021	32,61,674	31,02,773	40,83,602	3,45,44,765

Note : Consumer categories in forms are indicative only. Distribution Business/ Licensee should indicate actual consumer categories as per tariff (as per existing tariff for previous & current year and as per proposed tariff for ensuring years).

345.44

* Note : To be furnished separately for each year commencing from 2016-17 to 2021-22

Form D 7.1

Category-wise Sales

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2021-22 (Estimate)

(MU units)

S. No.	Consumer Category & Consumption Slab	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	HT Category													
1	HT I GOVT	1,46,279	1,21,955	82,827	87,268	1,06,287	1,03,947	1,08,933	1,13,018	1,19,217	1,09,970	1,09,970	1,09,970	13,19,641
2	HT I INDUSTRY	46,228	35,788	31,564	52,868	60,192	34,956	39,476	38,716	36,388	41,797	41,797	41,797	5,01,568
3	HT II (B) C GOVT	39,456	33,399	21,276	25,143	26,556	26,067	28,089	26,973	27,219	28,242	28,242	28,242	3,38,904
4	HT IV COMMERCIAL	19,58,303	17,04,595	16,16,284	16,20,104	16,27,632	14,69,846	14,85,511	16,27,268	16,23,508	16,37,006	16,37,006	16,37,006	1,96,44,068
5	HT IV B HOTEL	4,91,596	4,40,902	3,17,468	3,27,872	3,75,976	4,04,328	4,13,670	4,39,646	4,33,086	4,04,949	4,04,949	4,04,949	48,59,392
	Total	26,81,862	23,36,639	20,69,419	21,13,255	21,96,643	20,39,144	20,75,679	22,45,621	22,39,418	22,21,964	22,21,964	22,21,964	2,66,63,573
	LT Category													
1	LT I DOMESTIC	75,149	71,977	68,147	62,610	59,652	55,275	58,560	56,202	53,816	62,376	62,376	62,376	7,48,517
2	LT II COLONY	34,060	31,600	28,760	27,260	25,200	22,740	23,100	22,220	19,540	26,053	26,053	26,053	3,12,640
3	LT IV A (Industry) (RC3)	400	375	200	295	820	1,325	1,290	1,285	1,415	823	823	823	9,873
4	LT VI A (RC4C)	7,384	5,982	4,334	4,931	5,407	5,545	6,274	5,669	6,222	5,750	5,750	5,750	68,997
5	LT VI B	14,781	12,763	11,667	10,827	9,960	10,072	10,863	10,746	9,588	11,252	11,252	11,252	1,35,023
6	LT VI B G	14,125	13,520	9,671	11,407	12,037	12,168	12,546	12,042	11,445	12,107	12,107	12,107	1,45,281
7	LT VI C	27,418	23,908	15,126	16,493	19,739	20,025	20,114	18,970	19,576	20,152	20,152	20,152	2,41,825
8	LT VI C G	6,156	5,290	4,272	4,611	4,568	4,841	5,000	4,859	4,483	4,898	4,898	4,898	58,773
9	LT VI F	16,916	16,244	16,452	15,800	16,624	16,604	16,592	17,156	16,617	16,556	16,556	16,556	1,98,673
10	LT VII A SINGLE PHASE	35,835	30,315	19,024	23,075	25,113	24,308	26,712	25,930	26,051	26,263	26,263	26,263	3,15,151
11	LT VII A THREE PHASE	2,98,216	2,54,579	1,85,750	2,08,475	2,13,287	2,12,720	2,38,664	2,62,718	2,25,760	2,33,352	2,33,352	2,33,352	28,00,225
12	LT VII C	20	5	-	1	-	-	-	-	5	3	3	3	41
13	LT VIII B Street lights	952	693	590	561	631	733	863	797	665	721	721	721	8,647
14	Self consumption and Street light self	1,77,130	2,01,549	1,45,775	1,24,895	1,51,297	1,72,787	1,81,972	3,74,942	5,09,654	2,26,667	2,26,667	2,26,667	27,20,000
	Total	7,08,542	6,68,800	5,09,768	5,11,241	5,44,335	5,59,143	6,02,550	8,13,536	9,04,837	6,46,972	6,46,972	6,46,972	77,63,668
	Grand Total	33,90,404	30,05,439	25,79,187	26,24,496	27,40,978	25,98,287	26,78,229	30,59,157	31,44,255	28,68,937	28,68,937	28,68,937	3,44,27,241

344.27

Note : consumer categories in forms are indicative only. Distribution Business/ Licensee should indicate actual consumer categories as per tariff (as per existing tariff for previous & current year and as per proposed tariff for ensuring years).

344.27

* Note : To be furnished separately for each year commencing from 2016-17 to 2021-22

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Form D 7.1

Category-wise Sales

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2022-23 (Estimate)

(MU units)

S. No.	Consumer Category & Consumption Slab	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	HT Category													
1	HT I GOVT	1,53,593	1,28,053	86,968	91,631	1,11,601	1,09,144	1,14,380	1,18,669	1,25,178	1,15,469	1,15,469	1,15,469	13,85,623
2	HT I INDUSTRY	48,539	37,577	33,142	55,511	63,202	36,704	41,450	40,652	38,207	43,887	43,887	43,887	5,26,646
3	HT II (B) C GOVT	41,429	35,069	22,340	26,400	27,884	27,370	29,493	28,322	28,580	29,654	29,654	29,654	3,55,849
4	HT IV COMMERCIAL	21,60,008	18,80,168	17,82,761	17,86,975	17,95,278	16,21,240	16,38,519	17,94,877	17,90,729	18,05,617	18,05,617	18,05,617	2,16,67,407
5	HT IV B HOTEL	5,16,176	4,62,947	3,33,341	3,44,266	3,94,775	4,24,544	4,34,354	4,61,628	4,54,740	4,25,197	4,25,197	4,25,197	51,02,362
	Total	29,19,745	25,43,814	22,58,553	23,04,783	23,92,740	22,19,003	22,58,195	24,44,147	24,37,435	24,19,824	24,19,824	24,19,824	2,90,37,888
	LT Category													
1	LT I DOMESTIC	78,906	75,576	71,554	65,741	62,635	58,039	61,488	59,012	56,507	65,495	65,495	65,495	7,85,943
2	LT II COLONY	35,763	33,180	30,198	28,623	26,460	23,877	24,255	23,331	20,517	27,356	27,356	27,356	3,28,272
3	LT IV A (Industry) (RC3)	420	394	210	310	861	1,391	1,355	1,349	1,486	864	864	864	10,367
4	LT VI A (RC4C)	7,753	6,281	4,551	5,178	5,677	5,822	6,588	5,952	6,533	6,037	6,037	6,037	72,447
5	LT VI B	15,520	13,401	12,250	11,368	10,458	10,576	11,406	11,283	10,067	11,814	11,814	11,814	1,41,774
6	LT VI B G	14,831	14,196	10,155	11,977	12,639	12,776	13,173	12,644	12,017	12,712	12,712	12,712	1,52,545
7	LT VI C	28,789	25,103	15,882	17,318	20,726	21,026	21,120	19,919	20,555	21,160	21,160	21,160	2,53,917
8	LT VI C G	6,464	5,555	4,486	4,842	4,796	5,083	5,250	5,102	4,707	5,143	5,143	5,143	61,712
9	LT VI F	17,762	17,056	17,275	16,590	17,455	17,434	17,422	18,014	17,448	17,384	17,384	17,384	2,08,607
10	LT VII A SINGLE PHASE	37,627	31,831	19,975	24,229	26,369	25,523	28,048	27,227	27,354	27,576	27,576	27,576	3,30,908
11	LT VII A THREE PHASE	3,13,127	2,67,308	1,95,038	2,18,899	2,23,951	2,23,356	2,50,597	2,75,854	2,37,048	2,45,020	2,45,020	2,45,020	29,40,237
12	LT VII C	21	5	-	1	-	-	-	-	5	4	4	4	43
13	LT VIII B Street lights	1,000	728	620	589	663	770	906	837	698	757	757	757	9,079
14	Self consumption and Street light self	1,85,986	2,11,626	1,53,064	1,31,139	1,58,862	1,81,427	1,91,071	3,93,689	5,35,136	2,38,000	2,38,000	2,38,000	28,56,000
	Total	7,43,969	7,02,240	5,35,256	5,36,803	5,71,552	5,87,101	6,32,677	8,54,213	9,50,078	6,79,321	6,79,321	6,79,321	81,51,851
	Grand Total	36,63,714	32,46,054	27,93,809	28,41,586	29,64,291	28,06,104	28,90,872	32,98,360	33,87,513	30,99,145	30,99,145	30,99,145	3,71,89,739

Note: Consumer categories in terms are indicative only. Distribution Business/ Licensee should indicate actual consumer categories as per tariff (as per existing tariff for previous & current year and as per proposed tariff for ensuring years).

* Note : To be furnished separately for each year commencing from 2016-17 to 2021-22

371.90

371.90

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Form D 7.1

Category-wise Sales

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2023-24 (Estimate)

(MU units)

S. No.	Consumer Category & Consumption Slab	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	HT Category													
1	HT I GOVT	1,61,273	1,34,455	91,317	96,213	1,17,181	1,14,602	1,20,099	1,24,602	1,31,437	1,21,242	1,21,242	1,21,242	14,54,905
2	HT I INDUSTRY	50,966	39,456	34,799	58,287	66,362	38,539	43,522	42,684	40,118	46,082	46,082	46,082	5,52,979
3	HT II (B) C GOVT	43,500	36,822	23,457	27,720	29,278	28,739	30,968	29,738	30,009	31,137	31,137	31,137	3,73,642
4	HT IV COMMERCIAL	24,47,289	21,30,231	20,19,868	20,24,642	20,34,050	18,36,865	18,56,442	20,33,595	20,28,896	20,45,764	20,45,764	20,45,764	2,45,49,172
5	HT IV B HOTEL	5,41,985	4,86,094	3,50,008	3,61,479	4,14,514	4,45,772	4,56,071	4,84,710	4,77,477	4,46,457	4,46,457	4,46,457	53,57,480
	Total	32,45,013	28,27,059	25,19,450	25,68,341	26,61,385	24,64,516	25,07,102	27,15,329	27,07,937	26,90,681	26,90,681	26,90,681	3,22,88,177
	LT Category													
1	LT I DOMESTIC	82,852	79,355	75,132	69,028	65,766	60,941	64,562	61,963	59,332	68,770	68,770	68,770	8,25,240
2	LT II COLONY	37,551	34,839	31,708	30,054	27,783	25,071	25,468	24,498	21,543	28,724	28,724	28,724	3,44,686
3	LT IV A (Industry) (RC3)	441	413	221	325	904	1,461	1,422	1,417	1,560	907	907	907	10,885
4	LT VI A (RC4C)	8,141	6,595	4,778	5,436	5,961	6,113	6,917	6,250	6,860	6,339	6,339	6,339	76,070
5	LT VI B	16,296	14,071	12,863	11,937	10,981	11,104	11,976	11,847	10,571	12,405	12,405	12,405	1,48,862
6	LT VI B G	15,573	14,906	10,662	12,576	13,271	13,415	13,832	13,276	12,618	13,348	13,348	13,348	1,60,173
7	LT VI C	30,228	26,359	16,676	18,184	21,762	22,078	22,176	20,914	21,583	22,218	22,218	22,218	2,66,612
8	LT VI C G	6,787	5,832	4,710	5,084	5,036	5,337	5,513	5,357	4,943	5,400	5,400	5,400	64,798
9	LT VI F	18,650	17,909	18,138	17,420	18,328	18,306	18,293	18,914	18,320	18,253	18,253	18,253	2,19,037
10	LT VII A SINGLE PHASE	39,508	33,422	20,974	25,440	27,687	26,800	29,450	28,588	28,721	28,954	28,954	28,954	3,47,454
11	LT VII A THREE PHASE	3,28,783	2,80,673	2,04,789	2,29,844	2,35,149	2,34,524	2,63,127	2,89,647	2,48,900	2,57,271	2,57,271	2,57,271	30,87,248
12	LT VII C	22	6	-	1	-	-	-	-	6	4	4	4	46
13	LT VIII B Street lights	1,050	764	650	619	696	808	951	879	733	794	794	794	9,533
14	Self consumption and Street light self	1,95,286	2,22,208	1,60,717	1,37,696	1,66,805	1,90,498	2,00,624	4,13,374	5,61,893	2,49,900	2,49,900	2,49,900	29,98,800
	Total	7,81,167	7,37,352	5,62,019	5,63,643	6,00,129	6,16,456	6,64,311	8,96,924	9,97,582	7,13,287	7,13,287	7,13,287	85,59,444
	Grand Total	40,26,181	35,64,411	30,81,469	31,31,984	32,61,514	30,80,972	31,71,413	36,12,253	37,05,519	34,03,968	34,03,968	34,03,968	4,08,47,621

408.48

indicate actual consumer categories as per tariff (as per existing tariff for previous & current year and as per proposed tariff for ensuring years).

408.48

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* Note : To be furnished separately for each year commencing from 2016-17 to 2021-22

Form D 7.1

Category-wise Sales

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2024-25 (Estimate)

(MU units)

S. No.	Consumer Category & Consumption Slab	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	HT Category													
1	HT I GOVT	1,70,949	1,42,523	96,796	1,01,986	1,24,212	1,21,478	1,27,305	1,32,078	1,39,323	1,28,517	1,28,517	1,28,517	15,42,199
2	HT I INDUSTRY	54,024	41,824	36,887	61,784	70,343	40,851	46,134	45,245	42,525	48,846	48,846	48,846	5,86,157
3	HT II (B) C GOVT	46,110	39,032	24,864	29,383	31,035	30,463	32,826	31,522	31,809	33,005	33,005	33,005	3,96,060
4	HT IV COMMERCIAL	29,36,747	25,56,277	24,23,842	24,29,571	24,40,860	22,04,238	22,27,730	24,40,314	24,34,676	24,54,917	24,54,917	24,54,917	2,94,59,007
5	HT IV B HOTEL	5,74,504	5,15,260	3,71,009	3,83,168	4,39,384	4,72,518	4,83,435	5,13,792	5,06,126	4,73,244	4,73,244	4,73,244	56,78,928
	Total	37,82,334	32,94,915	29,53,398	30,05,892	31,05,835	28,69,548	29,17,430	31,62,952	31,54,459	31,38,529	31,38,529	31,38,529	3,76,62,351
	LT Category													
1	LT I DOMESTIC	87,823	84,116	79,640	73,169	69,712	64,597	68,436	65,680	62,892	72,896	72,896	72,896	8,74,755
2	LT II COLONY	39,804	36,929	33,610	31,857	29,450	26,575	26,996	25,967	22,835	30,447	30,447	30,447	3,65,367
3	LT IV A (Industry) (RC3)	467	438	234	345	958	1,548	1,508	1,502	1,654	962	962	962	11,538
4	LT VI A (RC4C)	8,629	6,991	5,065	5,763	6,319	6,480	7,332	6,625	7,271	6,719	6,719	6,719	80,634
5	LT VI B	17,274	14,915	13,635	12,653	11,640	11,771	12,695	12,558	11,205	13,150	13,150	13,150	1,57,794
6	LT VI B G	16,507	15,800	11,302	13,331	14,067	14,220	14,662	14,073	13,375	14,149	14,149	14,149	1,69,783
7	LT VI C	32,042	27,940	17,677	19,275	23,068	23,402	23,506	22,169	22,877	23,551	23,551	23,551	2,82,609
8	LT VI C G	7,194	6,182	4,992	5,389	5,338	5,657	5,843	5,678	5,239	5,724	5,724	5,724	68,685
9	LT VI F	19,769	18,984	19,227	18,465	19,428	19,404	19,390	20,049	19,419	19,348	19,348	19,348	2,32,180
10	LT VII A SINGLE PHASE	41,879	35,428	22,232	26,967	29,348	28,408	31,217	30,303	30,445	30,692	30,692	30,692	3,68,301
11	LT VII A THREE PHASE	3,48,510	2,97,514	2,17,077	2,43,634	2,49,258	2,48,595	2,78,915	3,07,025	2,63,834	2,72,707	2,72,707	2,72,707	32,72,483
12	LT VII C	23	6	-	1	-	-	-	-	6	4	4	4	48
13	LT VIII B Street lights	1,113	810	690	656	737	857	1,009	931	777	842	842	842	10,105
14	Self consumption and Street light self	2,07,003	2,35,540	1,70,360	1,45,958	1,76,813	2,01,928	2,12,662	4,38,176	5,95,607	2,64,894	2,64,894	2,64,894	31,78,728
	Total	8,28,037	7,81,593	5,95,740	5,97,461	6,36,137	6,53,443	7,04,170	9,50,739	10,57,437	7,56,084	7,56,084	7,56,084	90,73,011
	Grand Total	46,10,372	40,76,508	35,49,139	36,03,353	37,41,972	35,22,991	36,21,600	41,13,692	42,11,896	38,94,614	38,94,614	38,94,614	4,67,35,362

Note: Consumer categories in forms are indicative only. Distribution business/ licensee should indicate actual consumer categories as per tariff (as per existing tariff for previous & current year and as per proposed tariff for ensuring years).

* Note : To be furnished separately for each year commencing from 2016-17 to 2021-22

467.35

467.35

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Form D 7.1

Category-wise Sales

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2025-26 (Estimate)

(MU units)

S. No.	Consumer Category & Consumption Slab	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	HT Category													
1	HT I GOVT	1,81,206	1,51,074	1,02,604	1,08,105	1,31,665	1,28,766	1,34,943	1,40,003	1,47,682	1,36,228	1,36,228	1,36,228	16,34,731
2	HT I INDUSTRY	57,266	44,333	39,101	65,491	74,564	43,302	48,902	47,960	45,076	51,777	51,777	51,777	6,21,327
3	HT II (B) C GOVT	48,877	41,374	26,356	31,146	32,897	32,291	34,796	33,413	33,718	34,985	34,985	34,985	4,19,824
4	HT IV COMMERCIAL	31,71,687	27,60,779	26,17,750	26,23,936	26,36,129	23,80,577	24,05,948	26,35,539	26,29,450	26,51,311	26,51,311	26,51,311	3,18,15,727
5	HT IV B HOTEL	6,08,974	5,46,176	3,93,270	4,06,158	4,65,747	5,00,869	5,12,442	5,44,620	5,36,494	5,01,639	5,01,639	5,01,639	60,19,664
	Total	40,68,009	35,43,735	31,79,079	32,34,837	33,41,002	30,85,806	31,37,030	34,01,536	33,92,420	33,75,939	33,75,939	33,75,939	4,05,11,273
	LT Category													
1	LT I DOMESTIC	93,092	89,163	84,418	77,559	73,895	68,473	72,542	69,621	66,666	77,270	77,270	77,270	9,27,240
2	LT II COLONY	42,192	39,145	35,627	33,769	31,217	28,170	28,616	27,525	24,206	32,274	32,274	32,274	3,87,289
3	LT IV A (Industry) (RC3)	496	465	248	365	1,016	1,641	1,598	1,592	1,753	1,019	1,019	1,019	12,231
4	LT VI A (RC4C)	9,147	7,410	5,369	6,108	6,698	6,869	7,772	7,023	7,708	7,123	7,123	7,123	85,472
5	LT VI B	18,310	15,810	14,453	13,412	12,338	12,477	13,457	13,312	11,877	13,938	13,938	13,938	1,67,262
6	LT VI B G	17,498	16,748	11,980	14,131	14,911	15,073	15,542	14,917	14,178	14,998	14,998	14,998	1,79,970
7	LT VI C	33,965	29,616	18,738	20,431	24,452	24,806	24,917	23,499	24,250	24,964	24,964	24,964	2,99,566
8	LT VI C G	7,626	6,553	5,292	5,712	5,659	5,997	6,194	6,019	5,553	6,067	6,067	6,067	72,807
9	LT VI F	20,955	20,123	20,380	19,573	20,593	20,569	20,554	21,252	20,585	20,509	20,509	20,509	2,46,110
10	LT VII A SINGLE PHASE	44,391	37,553	23,566	28,585	31,109	30,112	33,090	32,121	32,271	32,533	32,533	32,533	3,90,399
11	LT VII A THREE PHASE	3,69,421	3,15,365	2,30,101	2,58,252	2,64,213	2,63,511	2,95,650	3,25,447	2,79,664	2,89,069	2,89,069	2,89,069	34,68,832
12	LT VII C	25	6	-	1	-	-	-	-	6	4	4	4	51
13	LT VIII B Street lights	1,179	858	731	695	782	908	1,069	987	824	893	893	893	10,711
14	Self consumption and Street light self	2,19,423	2,49,672	1,80,581	1,54,716	1,87,422	2,14,044	2,25,421	4,64,467	6,31,343	2,80,788	2,80,788	2,80,788	33,69,452
	Total	8,77,720	8,28,488	6,31,485	6,33,309	6,74,305	6,92,650	7,46,420	10,07,784	11,20,883	8,01,449	8,01,449	8,01,449	96,17,391
	Extra High Tension (EHT)	5,83,333	5,83,333	5,83,333	5,83,333	5,83,333	5,83,333	5,83,333	5,83,333	5,83,333	5,83,333	5,83,333	5,83,333	70,00,000
	Grand Total	55,29,062	49,55,557	43,93,897	44,51,479	45,98,641	43,61,789	44,66,784	49,92,653	50,96,637	47,60,722	47,60,722	47,60,722	5,71,28,664

Note: Consumer categories in terms of maximum capacity, distribution category, licensee should indicate actual consumer categories as per tariff (as per existing tariff for previous & current year and as per proposed tariff for ensuring years).

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Form D 7.1

Category-wise Sales

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2026-27 (Estimate)

(MU units)

S. No.	Consumer Category & Consumption Slab	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	HT Category													
1	HT I GOVT	1,92,078	1,60,139	1,08,760	1,14,591	1,39,565	1,36,492	1,43,039	1,48,403	1,56,543	1,44,401	1,44,401	1,44,401	17,32,815
2	HT I INDUSTRY	60,702	46,993	41,447	69,421	79,038	45,901	51,836	50,838	47,781	54,884	54,884	54,884	6,58,607
3	HT II (B) C GOVT	51,809	43,856	27,937	33,015	34,871	34,228	36,884	35,418	35,741	37,084	37,084	37,084	4,45,013
4	HT IV COMMERCIAL	34,88,856	30,36,857	28,79,525	28,86,330	28,99,742	26,18,635	26,46,543	28,99,093	28,92,395	29,16,442	29,16,442	29,16,442	3,49,97,300
5	HT IV B HOTEL	6,45,512	5,78,946	4,16,866	4,30,527	4,93,692	5,30,921	5,43,188	5,77,297	5,68,683	5,31,737	5,31,737	5,31,737	63,80,844
	Total	44,38,957	38,66,791	34,74,534	35,33,884	36,46,907	33,66,177	34,21,490	37,11,050	37,01,143	36,84,548	36,84,548	36,84,548	4,42,14,578
	LT Category													
1	LT I DOMESTIC	98,678	94,513	89,483	82,213	78,329	72,581	76,895	73,799	70,666	81,906	81,906	81,906	9,82,874
2	LT II COLONY	44,724	41,494	37,765	35,795	33,090	29,860	30,332	29,177	25,658	34,211	34,211	34,211	4,10,526
3	LT IV A (Industry) (RC3)	525	492	263	387	1,077	1,740	1,694	1,687	1,858	1,080	1,080	1,080	12,965
4	LT VI A (RC4C)	9,696	7,855	5,691	6,475	7,100	7,281	8,238	7,444	8,170	7,550	7,550	7,550	90,600
5	LT VI B	19,409	16,759	15,320	14,217	13,078	13,225	14,264	14,111	12,590	14,775	14,775	14,775	1,77,298
6	LT VI B G	18,547	17,753	12,699	14,978	15,806	15,978	16,474	15,812	15,028	15,897	15,897	15,897	1,90,768
7	LT VI C	36,002	31,393	19,862	21,657	25,919	26,295	26,412	24,909	25,705	26,462	26,462	26,462	3,17,540
8	LT VI C G	8,083	6,946	5,610	6,055	5,998	6,357	6,565	6,380	5,887	6,431	6,431	6,431	77,175
9	LT VI F	22,212	21,330	21,603	20,747	21,829	21,803	21,787	22,527	21,820	21,740	21,740	21,740	2,60,877
10	LT VII A SINGLE PHASE	47,055	39,806	24,980	30,300	32,976	31,919	35,075	34,049	34,207	34,485	34,485	34,485	4,13,823
11	LT VII A THREE PHASE	3,91,586	3,34,286	2,43,907	2,73,748	2,80,066	2,79,322	3,13,389	3,44,974	2,96,444	3,06,414	3,06,414	3,06,414	36,76,962
12	LT VII C	26	7	-	1	-	-	-	-	7	5	5	5	54
13	LT VIII B Street lights	1,250	910	775	737	829	962	1,133	1,047	873	946	946	946	11,354
14	Self consumption and Street light self	2,32,588	2,64,653	1,91,416	1,63,998	1,98,667	2,26,886	2,38,946	4,92,335	6,69,224	2,97,635	2,97,635	2,97,635	35,71,619
	Total	9,30,383	8,78,198	6,69,374	6,71,308	7,14,763	7,34,209	7,91,205	10,68,251	11,88,136	8,49,536	8,49,536	8,49,536	1,01,94,435
	Extra High Tension (EHT)	8,33,333	8,33,333	8,33,333	8,33,333	8,33,333	8,33,333	8,33,333	8,33,333	8,33,333	8,33,333	8,33,333	8,33,333	1,00,00,000
	Grand Total	62,02,674	55,78,322	49,77,241	50,38,525	51,95,004	49,33,719	50,46,029	56,12,633	57,22,613	53,67,418	53,67,418	53,67,418	6,44,09,013

Note: Consumer categories in some are indicative only (Distribution Business). Licensee should indicate actual consumer categories as per tariff (as per existing tariff for previous & current year and as per proposed tariff for ensuring years).

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Form D 7.2
Distribution Losses

Name of Distribution Licensee: Cochin Port Trust

Year 2019-20 (Actual)

S. No.	Voltage Level	No of Feeders	Feeders metered	Energy Input	Energy Sent to lower network	Direct Sale	Total Output	Total Losses	Total Losses (% of Energy Input)	Total Technical Loss	Total technical Losses (% of Energy Input)	Total Commercial Loss	Total Commercial Losses (% of Energy Input)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Circle 1	110KV			282.52	280.94		280.94	1.58		1.58	0.42	-	-
Circle 2	11 KV			372.79	97.07	271.79	368.86	3.93		3.93	1.05	-	-
Circle 3	LT			97.07		95.54	95.54	1.53		1.53	0.41	-	-
										7.04	1.88		

Year 2020-21 - Actual

S. No.	Voltage Level	No of Feeders	Feeders metered	Energy Input	Energy Sent to lower network	Direct Sale	Total Output	Total Losses	Total Losses (% of Energy Input)	Total Technical Loss	Total technical Losses (% of Energy Input)	Total Commercial Loss	Total Commercial Losses (% of Energy Input)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Circle 1	110KV	-	-	243.99	-			1.59	0.45	1.59	0.45	-	-
Circle 2	11 KV	15.00	15.00	108.27	-	255.39	255.39	4.03	1.14	4.03	1.14	-	-
Circle 3	LT					93.59	93.59	1.30	0.37	1.30	0.37	-	-
...				352.26		348.97	348.97	6.91	1.96		1.96		

Year: 2021-22 (Estimate)

S. No.	Voltage Level	No of Feeders	Feeders metered	Energy Input	Energy Sent to lower network	Direct Sale	Total Output	Total Losses	Total Losses (% of Energy Input)	Total Technical Loss	Total technical Losses (% of Energy Input)	Total Commercial Loss	Total Commercial Losses (% of Energy Input)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Circle 1	110KV	0	0	244.04				1.51	0.43%				
Circle 2	11 KV	16	16	107.05	270.72	266.71	266.71	4.01	1.14%				
Circle 3	LT				78.86	77.56	77.56	1.30	0.37%				
...				351.09		344.27		6.82	1.94%				

Year: 2022-23 (Projection)

Form D 7.2

Distribution Losses

S. No.	Voltage Level	No of Feeders	Feeders metered	Energy Input	Energy Sent to lower network	Direct Sale	Total Output	Total Losses	Total Losses (% of Energy Input)	Total Technical Loss	Total technical Losses (% of Energy Input)	Total Commercial Loss	Total Commercial Losses (% of Energy Input)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Circle 1	110KV	0	0	238.24				1.56	0.43%				
Circle 2	11 KV	16	16	123.11	278.63	280.05	280.05	-1.42	-0.39%				
Circle 3	LT				81.17	81.44	81.44	-0.27	-0.08%				
...				361.35		361.49		-0.14	-0.04%				

Year: 2023-24 (Projection)

S. No.	Voltage Level	No of Feeders	Feeders metered	Energy Input	Energy Sent to lower network	Direct Sale	Total Output	Total Losses	Total Losses (% of Energy Input)	Total Technical Loss	Total technical Losses (% of Energy Input)	Total Commercial Loss	Total Commercial Losses (% of Energy Input)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Circle 1	110KV	0	0	246.05				1.70	0.43%				
Circle 2	11 KV	16	16	147.73	303.64	294.05	294.05	9.59	2.43%				
Circle 3	LT				88.45	85.51	85.51	2.94	0.75%				
...				393.78		379.56		14.22	3.61%				

Year: 2024-25 (Projection)

S. No.	Voltage Level	No of Feeders	Feeders metered	Energy Input	Energy Sent to lower network	Direct Sale	Total Output	Total Losses	Total Losses (% of Energy Input)	Total Technical Loss	Total technical Losses (% of Energy Input)	Total Commercial Loss	Total Commercial Losses (% of Energy Input)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Circle 1	110KV	0	0	262.19				1.96	0.43%				
Circle 2	11 KV	16	16	192.05	350.26	311.69	311.69	38.57	8.49%				
Circle 3	LT				102.03	90.64	90.64	11.39	2.51%				
...				454.25		402.33		51.91	11.43%				

Form D 7.2

Distribution Losses

Year: 2025-26 (Projection)

S. No.	Voltage Level	No of Feeders	Feeders metered	Energy Input	Energy Sent to lower network	Direct Sale	Total Output	Total Losses	Total Losses (% of Energy Input)	Total Technical Loss	Total technical Losses (% of Energy Input)	Total Commercial Loss	Total Commercial Losses (% of Energy Input)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Circle 1	110KV	0	0	279.30				2.41	0.43%				
Circle 2	11 KV	16	16	280.78	431.87	407.87	407.87	24.00	4.29%				
Circle 3	LT				125.80	118.61	118.61	7.20	1.28%				
...				560.09		526.47		33.61	6.00%				

Year: 2026-27 (Projection)

S. No.	Voltage Level	No of Feeders	Feeders metered	Energy Input	Energy Sent to lower network	Direct Sale	Total Output	Total Losses	Total Losses (% of Energy Input)	Total Technical Loss	Total technical Losses (% of Energy Input)	Total Commercial Loss	Total Commercial Losses (% of Energy Input)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Circle 1	110KV	0	0	297.44				2.73	0.43%				
Circle 2	11 KV	16	16	336.94	489.16	432.34	432.34	56.82	8.96%				
Circle 3	LT				142.49	125.72	125.72	16.77	2.64%				
...				634.38		558.06		76.32	12.03%				

Form D 7.3**Collection Efficiency**

Name of Distribution Business/Licensee:

(Rs. In Lakh)

S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	Remarks
		(Actuals/Audited)	(Actuals/Audited)	(Projected)	(Projected)	(Projected)	(Projected)	(Projected)	(Projected)	
1	2	3	4	5	6	7	8	9	10	11
	HT Category									
1	HT I GOVT	94.40	110.28	122.37	138.36	145.28	154.00	163.24	173.03	100%
2	HT I INDUSTRY	46.74	41.75	40.23	45.57	47.85	50.72	53.76	56.99	100%
3	HT II (B) C GOVT	37.04	30.89	29.78	34.33	36.04	38.21	40.50	42.93	100%
4	HT IV COMMERCIAL	2,178.27	1869.86	1879.28	2215.11	2464.96	2841.21	3095.10	3280.81	100%
5	HT IV B HOTEL	158.15	374.24	430.33	474.16	497.86	527.74	559.40	592.96	100%
		2,514.60	2427.02	2501.99	2907.53	3191.99	3611.87	3912.00	4146.72	
	LT Category									
1	LT I DOMESTIC	34.01	37.30	33.04	37.87	39.76	42.15	44.68	47.36	100%
2	LT II COLONY	31.16	30.94	28.93	35.57	37.35	39.59	41.97	44.48	100%
3	LT IV A (Industry) (RC3)	1.48	1.63	1.65	1.83	1.92	2.03	2.16	2.29	100%
4	LT VI A (RC4C)	14.64	4.81	5.02	5.41	5.68	6.03	6.39	6.77	100%
5	LT VI B	24.94	15.07	10.53	11.48	12.05	12.78	13.54	14.36	100%
6	LT VI B G	11.02	12.20	12.64	13.87	14.56	15.44	16.36	17.35	100%
7	LT VI C	20.81	25.84	25.25	26.91	28.26	29.95	31.75	33.65	100%
8	LT VI C G	6.43	6.51	6.95	7.39	7.76	8.22	8.72	9.24	100%
9	LT VI F	21.8	19.68	19.07	20.97	22.02	23.35	24.75	26.23	100%
10	LT VII A SINGLE PHASE	28.75	30.35	28.82	31.36	32.93	34.90	37.00	39.22	100%
11	LT VII A THREE PHASE	448.28	442.66	389.91	425.57	446.84	473.66	502.07	532.20	100%
12	LT VII C	2.12	1.18	0.01	0.02	0.02	0.02	0.02	0.02	100%
13	LT VIII B Street lights	0.31	0.36	0.39	0.45	0.48	0.50	0.53	0.57	100%
14	Self consumption & Street li	179.51	126.59	227.35	248.24	260.65	276.29	292.86	310.44	100%
		825.26	755.13	789.56	866.94	910.29	964.90	1022.80	1084.17	
	Extra High Tension (EHT)			-				1119.60	1395.58	
	Total	3339.86	3182.15	3291.55	3774.47	4102.28	4576.78	6054.40	6626.47	

Form D 8
Deviation Analysis

Name of Distribution Business/Licensee:

Year (2019-20)

(Rs.in lakhs)

S. No.	Particulars	Approved	Actual	Deviation	Reason for Deviation	Controllable	Uncontrollable
1	2	3	4	5	6	7	8
1	Cost of own power generation/power purchase	2,580.59	2,582.07	-1.48			
2	Transmission Charges						
3	NLDC/RLDC/SLDC Charges						
4	Operation & Maintenance Expenses						
4.1	Employee Expenses	456.29	811.73	-456.70	As per regulation, commission has O & M Expense approved only Rs. 456.29Lakhs. However considering the fact that CoPT is carrying out electricity distribution business in addition to port related activities which is its major business, CoPT required 79 employees for efficiently carrying out electricity distribution business and total costs amounts to Rs.778.60 Lakhs. Terminal benefits @ 11% has been added and hence total employee costs comes to Rs.864.24 Lakhs As per ISPS regulations, security arrangements is required round the clock. Accordingly 6 constables have been posted and the total security expense comes to Rs. 50.22 lakhs.		
4.2	Administration & General Expenses		73.11				
4.3	Repair & Maintenance Expenses		28.15				
5	Interest and finance charges on long term loans	-	443.33	-443.33	As per Ministry's order No.PD/25021/4/2013-COPT dtd 01.09.2016, long term loan has been scheduled the repayment of the amount frozen in 10 years commencing from 2018-19.		
6	Depreciation	185.05	180.22	4.83			
7	Interest on Working Capital	5.51	11.02	-5.51	Interest on working capital has been claimed as per Regulation 32(1)(e) of the Tariff Regulations 2018. Interest on working capital has been claimed at a rate equal to two percent higher than the base rate as on the First day of April of the financial year.		
8	Interest on consumer security deposits and deposits from Users of the distribution system	32.76	33.20	-0.44	Interest on consumer SD has been paid as per the regulations and hence the Hon'ble commission may kindly allow the same.		
9	Any other item (to be specified)						
10	Contribution to contingecny reserves						
11	Provisioning for Bad debts, if any						
A	Total Expenditure						
B	Return on Equity	70.81	71.60	-0.80	Calculated as per Regulation @ 3% on NFA		
C	Tax on ROE						
D	Revenue						
1	Revenue from sale of electricity	3,212.44	3,342.39	-129.95			
2	Other Income	255.77	48.92	206.85			

Form D 8

Deviation Analysis

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year: 2020-21(Actual)

(Rs.in lakhs)

S. No.	Particulars	Approved	Actual	Deviation	Reason for Deviation	Controllable	Uncontrollable
1	2	3	4	5	6	7	8
1	Cost of own power generation/power purchase	2,736.18	2,451.19	284.99			
2	Transmission Charges						
3	NLDC/RLDC/SLDC Charges						
4	Operation & Maintenance Expenses						
4.1	Employee Expenses		769.47				
4.2	Administration & General Expenses	478.37	69.14	-385.08	Hon'ble Commission has approved only Rs.478.37 as O & M Expense in the ARR. However considering the fact that CoPT is carrying out electricity distribution business in addition to port related activities which is its major business, CoPT has deployed 59 employees for efficiently carrying out electricity distribution business and total costs amounts to Rs.693.21 Lakhs. Terminal benefits @ 11% has been added and hence total employee costs comes to Rs.769.47 Lakhs As per ISPS regulations, security arrangements is required round the clock. Accordingly 6 constables have been posted and the total security expense comes to Rs. 44.25 lakhs.		
4.3	Repair & Maintenance Expenses		24.83				
5	Interest and finance charges on long term loans	-	415.42	-415.42		As per Ministry's order No.PD/25021/4/2013-COPT dtd 01.09.2016, long term loan has been scheduled the repayment of the amount frozen in 10 years commencing from 2018-19.	
6	Depreciation	189.12	188.02	1.10			
7	Interest on Working Capital	5.64	7.89	-2.25	Interest on working capital has been claimed as per Regulation 32(1)(e) of the Tariff Regulations 2018. Interest on working capital has been claimed at a rate equal to two percent higher than the base rate as on the First day of April of the financial year.		
8	Interest on consumer security deposits and deposits from Users of the distribution system	34.73	23.52	11.21	Interest on consumer SD has been paid as per the regulations and hence the Hon'ble commission may kindly allow the same.		
9	Any other item (to be specified)						
10	Contribution to contingency reserves						
11	Provisioning for Bad debts, if any						
A	Total Expenditure						
B	Return on Equity	65.25	69.30	-4.05	Calculated as per Regulation @ 3% on NFA		
C	Tax on ROE						
D	Revenue						
1	Revenue from sale of electricity	3,367.52	3,188.18	179.34			
2	Other Income	255.77	40.94	214.83			

Form D P&L

Profit & Loss Account

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

S. No.	Particulars	Reference	2019-20	2020-21	Remarks
			Actual	Actual	
1	2	3	4	5	6
	I. INCOME				
	a. Revenue from Sale of Power	D2.1	3,342.39	3,188.18	
	b. Revenue Subsidies and Grants				
	c. Other Income	D2.4	48.92	40.94	
	Total (a+b+c)		3,391.31	3,229.12	
	II. EXPENDITURE				
	a. Repairs and Maintenance.	D3.4(c)	28.15	24.83	
	b. Employee Cost	D3.4 (a)	811.73	769.47	
	c. Administration and General Expenses	D3.4 (b)	73.11	69.14	
	d. Depreciation	D3.5	180.22	188.02	
	e. Interest and Finance charges	D3.6 & 3.7	454.35	423.31	
	f. Other expenses (Interest on SD held by CoPT)	D 4.3	33.20	23.52	
	f. Subtotal (a+b+c+d+e)		1,580.76	1,498.29	
	g. Less Capitalised Expenses:				
	- Interest & Finance Charges				
	- Other Expenses				
	h. Other Debits (ROI @3% of NFA)	D3.8	71.60	69.30	
	I. Extra Ordinary Items				
	j. Purchase of power	D 3.1	2,582.07	2,451.19	
	k. Generation of Power				
	Total Expenditure (f-g+h+i+j+k)		4,234.43	4,018.77	
	III. Profit/(Loss) before Tax (I-II)		(843.13)	(789.66)	
	IV. Provision for Income Tax		-		
	V. Net Prior period credits (Charges)		-		
	VI. Surplus (Deficit)		(843.13)	(789.66)	
	VII. Net Assets at the beginning of the year (Less consumer's Contribution)	D 3.5	2,386.81	2,309.87	
	VIII. Rate of Return (VI/ VII)		(35.32)	(34.19)	

Form D BS

Balance Sheet at the end of the year

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

(Rs.in Lakhs)

S. No.	Particulars	Reference	2019-20	2020-21	Remarks
			Actual	Actual	
1	2	3	4	5	6
A	EQUITY AND LIABILITIES				
1	Shareholders funds				
	(a) Share Capital				
	(b) Reserve and Surplus (Reserves+surplus/ deficit)		-8,513.31	-7,792.95	
2	Contribution, Grants and other long term Reserve funds				
3	Non Current liabilities				
	(a) Long Term borrowings (Capital liabilities)		3,594.66	3,825.36	
	(b) Other long term liabilities (SD from consumers)		522.40	528.74	
	(c) Long term provisions (Reserve funds+provision for int. On bonds/payrevision)				
4	Current liabilities				
	(a) Short Term borrowings (Borrowing for working capital)		3,876.59	3,355.29	
	(b) Trade Payables (payment due to CGS/Others)				
	(c) Other short term liabilities (other current liabilities except payment to CGS)		3,995.88	3,549.05	
	(d) Short Term provisions				
	TOTAL EQUITY & LIABILITIES		3,476.20	3,465.48	
B	ASSETS				
1	Non Current Assets				
	(a) Fixed Assets				
	(i) Tangible Assets		2,234.15	2,309.87	
	(ii) Intangible Assets				
	(iii) Capital work in progress		221.98	167.22	
	(b) Non-Current investment (SD of CoPT's consumers invested in bank)		521.96	485.95	
	(c) Long term loans and Advances		147.99	119.67	
	(d) Other non-current assets				
2	Current Assets				
	(a) Current investments				
	(b) Inventories (Stocks)				
	(c) Trade receivables		131.12	160.02	
	(d) Cash and Cash equivalents				
	(e) Short term loans and advances (SD With KSEB)		210.21	210.21	
	(f) Other current assets (Interest receivable from KSEB)		8.80	12.55	
	TOTAL ASSETS		3,476.20	3,465.48	

Form D CF

Cash Flow for the year

Name of Distribution Business/Licensee
Licensed Area of SupplyCochin Port Trust
Willingdon Island & Vallarpadam

(Rs.in Lakhs)

S. No.	Particulars	Ref	2020-21	2019-20	Remarks
1	2	3		4	6
I	Net Funds from Operations				
1a	Net Funds from Earnings :				
	a) Profit before tax and before revenue subsidies and grants		(789.66)	(843.13)	
	Less : Income Tax Payment during the year				
	Total of (a)				
	b. Add: Debits to revenue account not requiring cash Flow:				
	I) Depreciation		188.02	180.22	
	ii) Amortisation of Deferred costs				
	iii) Amortisation of Intangible Assets				
	iv) Investment Allowance Reserve				
	v) Others, if any		69.30	71.60	
	Total of (b)				
	c. Less : Credits to revenue Account not involving cash receipts				
	I) Depreciation				
	ii) Subsidies receivables				
	iii) Revenue gap				
	Total of (c)				
	Net Funds from Earnings (a)+(b)-(c)		(532.34)	(591.31)	
2	Contributions, Grants & Subsidies to cost of Capital Assets				
3	Security Deposit from consumers		(6.34)	64.34	
4	Proceeds from disposal of fixed Assets				
5	Total Funds from Operations (1+2+3+4)		(538.68)	(526.97)	
6	Net Increase/(Decrease) in working Capital				
	(a) Increase/(Decrease) in Current Assets				
	I) Inventories				
	ii) Receivables against sale of power		28.90	(52.14)	
	iii) Loans and Advances			-	
	iv) Sundry receivables (interest receivable from KSEB)		3.75	(0.97)	
	v)Subsidy receivables				

	Total of (a)		32.66	(53.11)	
	(b) Increase/(Decrease) in Current liabilities				
	I) Borrowings for working Capital		(83.09)	(188.64)	
	ii) Other current liabilities		446.83	487.55	
	iii) Others (Increase in Reserve + payment due on cap.liab)				
	Total of (b)		363.74	298.91	
	Net Increase/(Decrease) in working Capital (a)- (b)		396.40	245.80	
7	Net Funds from operations before subsidies and Grants (5-6)		(142.28)	(281.17)	
8	Receipts from revenue subsidies and Grants				
	Total Net Funds from operations including subsidies & Grants (7+8)				
II.	Net increase/ decrease in Capital liabilities				
	a). Fresh borrowings				
	I) Central Loans		195.38	291.93	
	ii) Foreign currency Loans / Credits				
	iii) Other borrowings		521.30	570.42	
	Total of (a)		716.68	862.35	
	b) Repayments :				
	I) State Loans				
	ii) Foreign currency Loans / Credits				
	iii) Other borrowings		426.09	426.09	
	Total of (b)		426.09	426.09	
	Net Increase/(Decrease) in Capital liabilities (a) - (b)		290.59	436.25	
III.	Increase/(Decrease) in equity Capital			-	
IV.	Total Funds available for Capital Expenditure (I+II+III)		148.31	155.07	
V	Funds utilised on Capital Expenditure				
	a) On projects		112.30	103.29	
	b) Advance to Suppliers & Contractors				
	c) Intangible Assets				
	d) Deferred Cost				
	Total of V (a+b+c+d)		112.30	103.29	
VI	Net Increase/(Decrease) in Government contribution				
VII	Net Increase/(Decrease) in Terminal benefit fund				
VIII	Net Increase/(Decrease) in Provident fund				
IX	Net Increase/(Decrease) in investments		36.01	51.80	
X	Net Increase/(Decrease) in cash/ bank balance (IV - V- VI)		0.00	(0.00)	
XI	Add opening cash & Bank balance				
XII	Closing Cash & Bank balance (VII+VIII)				