



कोचीन पोर्ट ट्रस्ट / Cochin Port Trust

वित्त विभाग / Finance Department

विलिंग्डन द्वीप / Willingdon Island, कोचीन / Cochin, केरल/ Kerala 682 009

फ़ोन / Phone : 0484-2668600 : 2666871 Extn. 2602 COCHIN PORT TRUST. Fax No: +91 0484- 2666582

No.FD/Costing/KSERC/ARR/ERC/ 2018-19 to 2021-22/2019

Dated : 12th April, 2019.

Public Notice

**under Section 64(2) of the Electricity Act 2013 and Regulation 27(6)
of the Conduct of Business Regulations 2003**

It has been directed by the Kerala State Electricity Regulatory Commission to upload copy of the petition on ARR (Annual Revenue Requirement) and ERC (Expected Revenue from Charges) for the period 2018-19 to 2021-22 on our website and to give publicity on the petition to invite comments/objections from the consumers in the area in accordance with Section 64(2) of the Electricity Act 2013 and Regulation 27(6) of the Conduct of Business Regulations 2003.

In this regard, the has been decided to conduct a public hearing on 10-05-2019 at 11 am in the Conference Hall of Cochin Port Trust. All are requested to make it convenient to attend the hearing.

Sd/-

Financial Advisor & Chief Accounts Officer
वित्तीय सलाहकार और मुख्य लेखा अधिकारी

ARR and Tariff Formats
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| Other Information/Documents | | | |
|-----------------------------|--------------------------|--|----|
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8. Corporate audited/unaudited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the relevant years.

Form D 1.1

Summary of Aggregate Revenue Requirement

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Rs.Lakhs

| S. No. | Particulars | Reference form no. | 2016-17 | | | 2017-18 | | | 2018-19 | 2019-20 | 2020-21 | 2021-22 | Remarks |
|--------|---|--------------------|--------------------------------|-----------------|--------------------------------------|--------------------------------|---------|-----------------------|-----------------|-----------------|-----------------|-----------------|---------|
| | | | Approved in Tariff Order (ARR) | Audited | Truing Up approved by the Commission | Approved in Tariff Order (ARR) | Audited | Truing Up requirement | (Projected) | (Projected) | (Projected) | (Projected) | |
| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Cost of own power generation/power purchase | D 3.1 | 2317.14 | 2380.99 | 2380.99 | 2384.02 | | 2,353.63 | 2,368.67 | 2,402.43 | 2,448.86 | 2,539.53 | |
| 2 | Transmission Charges | D 3.2 | | | | | | | | | | | |
| 3 | NLDC/RLDC/SLDC Charges | D 3.3 | | | | | | | | | | | |
| 4 | Operation & Maintenance Expenses | D 3.4 | | | | | | | | | | | |
| 4.1 | Employee Expenses | D 3.4(a) | 331.55 | 867.30 | 331.55 | 350.95 | | 904.32 | 948.60 | 859.84 | 879.60 | 948.89 | |
| 4.2 | Annual Contribution for Terminal Liabilities based on actuarial valuation | | | | | | | | | | | | |
| 4.3 | Administration & General Expenses | D 3.4(b) | 37.15 | 88.12 | 53.60 | 39.33 | | 83.36 | 87.50 | 89.25 | 91.03 | 92.86 | |
| 4.4 | Repair & Maintenance Expenses | D 3.4(c) | 9.97 | 22.58 | 9.97 | 10.55 | | 11.37 | 27.34 | 27.89 | 28.44 | 29.01 | |
| 5 | Depreciation | D 3.5 | 197.01 | 205.18 | 179.13 | 197.01 | | 206.16 | 208.52 | 208.50 | 227.52 | 177.00 | |
| 6 | Interest and finance charges on long term loans | D 3.6(a) | 0.00 | 447.83 | 0.00 | 0.00 | | 1.45 | 375.30 | 413.31 | 425.38 | 425.38 | |
| 7 | Interest on Bonds to meet Terminal Liabilities | D 3.6(c) | | | | | | | | | | | |
| 8 | Interest on Working Capital | D 3.7 | | 172.05 | | | | 198.85 | 342.61 | 458.04 | 559.53 | 656.65 | |
| 9 | Interest on consumer security deposits and deposits from Users of the distribution system | D 4.3 | 0.00 | 33.35 | 33.35 | 0.00 | | 31.31 | 31.31 | 31.31 | 31.31 | 31.31 | |
| 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 | | 2892.82 | 4217.40 | 2988.59 | 2981.86 | | 3790.45 | 4389.87 | 4490.58 | 4691.67 | 4900.63 | |
| 15 | Return on Equity /Net Fixed Assets | D 3.8 | 74.38 | 86.64 | 86.97 | 68.47 | | 80.61 | 74.81 | 70.06 | 77.22 | 74.66 | |
| 16 | Tax on ROE | | | | | | | | | | | | |
| 17 | Aggregate Revenue Requirement (14+15) | | 2967.2 | 4304.04 | 3075.56 | 3050.33 | | 3,871.05 | 4,464.68 | 4,560.64 | 4,768.90 | 4,975.29 | |
| 18 | Less: Other Income & non-Tariff income | D 2.4 | 35.05 | 40.27 | 390.43 | 35.05 | | 39.58 | 43.75 | 43.75 | 43.75 | 43.75 | |
| 19 | Net Aggregate Revenue Requirement from Retail Tariff | | 2932.15 | 4263.77 | 2685.13 | 3015.28 | | 3,831.47 | 4,420.93 | 4,516.89 | 4,725.15 | 4,931.54 | |
| 20 | Revenue from sale of power | D 2.1 | 2912.98 | 3,012.30 | 3,012.30 | 3001.63 | | 3,009.57 | 2,868.91 | 3,082.61 | 3,289.32 | 3,488.56 | |
| 21 | Net Revenue gap/Surplus (20-19) | | -19.17 | -1251.47 | 327.17 | -13.65 | | -821.90 | -1552.02 | -1434.28 | -1435.83 | -1442.98 | |

Form D 2.1**Revenue from Sale of Power**

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

Year 2016-17 (Actual)

Rs.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 | 593 | 593 | 9.75 | 2.74 | 1.51 | 29.70 | 31.20 | 3.20 | 0.15 | 31.35 | 3.22 | |
| 2 | LT II | 3 | 3 | 3.52 | 0.99 | 0.73 | 31.63 | 32.36 | 9.20 | 0.02 | 32.38 | 9.20 | |
| 3 | LT IV | 1 | 1 | 0.02 | 0.00 | 0.10 | 0.12 | 0.22 | 12.68 | 0.01 | 0.22 | 13.09 | |
| 4 | LT VI A | 17 | 17 | 3.99 | 1.12 | 0.10 | 25.07 | 25.17 | 6.30 | 0.00 | 25.17 | 6.31 | |
| 5 | LT VI B | 32 | 32 | 2.94 | 0.83 | 3.06 | 20.30 | 23.36 | 7.94 | 0.01 | 23.37 | 7.94 | |
| 6 | LT VI B (G) | 14 | 14 | 0.74 | 0.21 | 1.41 | 5.07 | 6.48 | 8.79 | 0.00 | 6.49 | 8.80 | |
| 7 | LT VI C | 9 | 9 | 3.21 | 0.90 | 5.76 | 26.81 | 32.56 | 10.16 | 0.00 | 32.57 | 10.16 | |
| 8 | LT VI C (G) | 21 | 21 | 0.44 | 0.12 | 1.67 | 3.12 | 4.79 | 11.00 | 0.00 | 4.80 | 11.01 | |
| 9 | LT VII A SINGLE PHASE | 285 | 285 | 3.00 | 0.85 | 9.96 | 21.54 | 31.50 | 10.49 | 0.31 | 31.81 | 10.60 | |
| 10 | LT VII A THREE PHASE | 183 | 183 | 42.13 | 11.86 | 87.89 | 389.16 | 477.05 | 11.32 | 0.31 | 477.35 | 11.33 | |
| 11 | LT VII C | 3 | 3 | 0.22 | 0.06 | 0.83 | 1.43 | 2.26 | 10.25 | 0.00 | 2.26 | 10.25 | |
| 12 | Income from Self consumption & street lights | 107 | 107 | 46.56 | 13.11 | 12.36 | 179.23 | 191.59 | 4.11 | - | 191.59 | 4.11 | |
| | HT Categories | | | | | | | | | | | | |
| 1 | HT GOVT | 5 | 5 | 12.27 | 3.46 | 46.39 | 62.25 | 108.64 | 8.85 | | 108.64 | 8.85 | |
| 2 | HT IV COMMERCIAL | 20 | 20 | 189.74 | 53.42 | 363.96 | 1,386.08 | 1,750.04 | 9.22 | | 1,750.04 | 9.22 | |
| 3 | HT INDUSTRIAL | 1 | 1 | 6.81 | 1.92 | 9.47 | 36.68 | 46.15 | 6.78 | | 46.15 | 6.78 | |
| 4 | HT IV MALABAR | 2 | 2 | 29.85 | 8.40 | 30.52 | 217.60 | 248.12 | 8.31 | | 248.12 | 8.31 | |
| | Extra High Tension (EHT) | | | | | | | | | | | | |
| | Bulk Consumers/ Licensees | | | | | | | | | | | | |
| B | Revenue from sale of power outside the State | | | | | | | | | | | | |
| a) | Sale through power exchange | | | | | | | | | | | | |
| b) | Sale to other States | | | | | | | | | | | | |

D2.1 (2016-17)

| | | | | | | | | | | | | | |
|----------|---|--|--|---------------|--|--|--|--|--|--|-----------------|--|--|
| c) | Sale through Traders | | | | | | | | | | | | |
| C | Total of items not shown categorywise | | | | | | | | | | | | |
| a) | Electricity Duty Recovery | | | | | | | | | | 199.50 | | |
| 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 | | | | | | | | | | 3,211.80 | | |
| 30 | Less: i) Electricity Duty Payable to Govt. (Contra) | | | | | | | | | | 199.50 | | |
| | ii) Other State Levies Payable to Govt. (Contra) | | | | | | | | | | | | |
| | Net Revenue from Sale of Power (A29-A30) | | | 355.18 | | | | | | | 3,012.30 | | |

Form D 2.1**Revenue from Sale of Power**Name of Distribution Business/Licensee
Licensed Area of SupplyCochin Port Trust
Willingdon Island & Vallarpadam

Year 2017-18 (Actuals)

Rs.Lakh

| 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@) |
|----------|---|---------------------|----------------------------|-----------------|----------------------|------------------------|------------------|----------|------------------|-----------------------|-----------------|--|
| | | | | MU | | | | (7+8) | paisa/kwh | | (9+11) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 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 | | | | | | | | | | 190.00 | |
| 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 | | | | | | | | | | 3,199.57 | |
| 30 | Less: i) Electricity Duty Payable to Govt. (Contra) | | | | | | | | | | 190.00 | |
| | ii) Other State Levies Payable to Govt. (Contra) | | | | | | | | | | | |
| | Net Revenue from Sale of Power (A29-A30) | | | 338.54 | | | | | | | 3,009.57 | |

Form D 2.1**Revenue from Sale of Power**Name of Distribution Business/Licensee
Licensed Area of SupplyCochin Port Trust
Willingdon Island & Vallarpadam

Year 2018-19 (Estimate)

Rs. Lakh

| 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) | Sale through power exchange | | | | | | | | | | | | |
| b) | Sale to other States | | | | | | | | | | | | |
| c) | Sale through Traders | | | | | | | | | | | | |
| C | Total of items not shown categorywise | | | | | | | | | | | | |
| a) | Electricity Duty Recovery | | | | | | | | | | 190.00 | | |
| 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 | | | | | | | | | | 3,058.91 | | |
| 30 | Less: i) Electricity Duty Payable to Govt. (Contra) | | | | | | | | | | 190.00 | | |
| | ii) Other State Levies Payable to Govt. (Contra) | | | | | | | | | | | | |
| | Net Revenue from Sale of Power (A29-A30) | | | 341.91 | | | | | | | 2,868.91 | | |

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 2020-21 (projection)

Rs.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@) |
|----------|---|---------------------|----------------------------|-----------------|----------------------|------------------------|------------------|----------|------------------|-----------------------|-----------------|--|
| | | | | MU | | | | (7+8) | paisa/kwh | | (9+11) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| b) | Sale to other States | | | | | | | | | | | |
| c) | Sale through Traders | | | | | | | | | | | |
| C | Total of items not shown categorywise | | | | | | | | | | | |
| a) | Electricity Duty Recovery | | | | | | | | | | 190.00 | |
| 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 | | | | | | | | | | 3,479.32 | |
| 30 | Less: i) Electricity Duty Payable to Govt. (Contra) | | | | | | | | | | 190.00 | |
| | ii) Other State Levies Payable to Govt. (Contra) | | | | | | | | | | | |
| | Net Revenue from Sale of Power (A29-A30) | | | 405.86 | | | | | | | 3,289.32 | |

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 2021-22 (projection)

Rs.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 |
| C | Total of items not shown categorywise | | | | | | | | | | | | |
| a) | Electricity Duty Recovery | | | | | | | | | | 190.00 | | |
| 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 | | | | | | | | | | 3,678.56 | | |
| 30 | Less: i) Electricity Duty Payable to Govt. (Contra) | | | | | | | | | | 190.00 | | |
| | ii) Other State Levies Payable to Govt. (Contra) | | | | | | | | | | | | |
| | Net Revenue from Sale of Power (A29-A30) | | | 430.71 | | | | | | | 3,488.56 | | |

Form D 2.4

Other Income

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

(Rs. Lakhs)

| S. No. | Particulars | 2016-17 | | | 2017-18 | | | 2018-19 | 2019-20 | 2020-21 | 2021-22 | Remarks |
|--------|---|--------------------------------|--------------|--------------------------------------|--------------------------------|----------|-----------------------|--------------|--------------|--------------|--------------|---------|
| | | Approved in Tariff Order (ARR) | Audited | Truing Up approved by the Commission | Approved in Tariff Order (ARR) | Audited | Truing Up requirement | (Projected) | (Projected) | (Projected) | (Projected) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 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 | 35.05 | 40.27 | 390.43 | 35.05 | | 39.58 | 43.75 | 43.75 | 43.75 | 43.75 | |
| 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 | | | | | | | | | | | |
| | Total | 35.05 | 40.27 | 390.43 | 35.05 | - | 39.58 | 43.75 | 43.75 | 43.75 | 43.75 | |

Form D 2.7

Consumer Contribution, Capital Subsidy and Grant

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

(Rs. Lakh)

| S. No. | Particulars | 2016-17 | | | 2017-18 | | | 2018-19 | 2019-20 | 2020-21 | 2021-22 | Remarks |
|--------|--|--------------------------------|-------------------|--------------------|--------------------------------|-------------------|--------------------|--------------|---------------|-------------|-------------|---------|
| | | Approved in Tariff Order (ARR) | Actually received | Balance Receivable | Approved in Tariff Order (ARR) | Actually received | Balance Receivable | Projected | Projected | Projected | Projected | |
| 1 | 2 | 3 | 4 | 5 = 4 - 3 | 6 | 7 | 8=6-7 | 9 | 10 | 11 | 12 | 13 |
| 1 | Consumers Contribution for service connection lines and associated works | | | | | | | | | | | |
| 2 | Any other contribution by consumers under any scheme. | | | | | | | | | | | |
| a) | | | | | | | | | | | | |
| b) | | | | | | | | | | | | |
| c) | | | | | | | | | | | | |
| | Sub-Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | Capital Subsidies from appropriate Government towards cost of Capital Assets | | | | | | | | | | | |
| 4 | Receipts from Ministry of Power under IPDS Scheme as Grants | | | | | | | 61.91 | 229.80 | 0.00 | 0.00 | |
| 5 | Any Other item(to be specified) | | | | | | | | | | | |
| | Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61.91 | 229.80 | 0.00 | 0.00 | |
| | TOTAL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 61.91 | 229.80 | 0.00 | 0.00 | |

Form D 3.1

Power Purchase Expenses

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadm

Year: 2016-17 (Actual)

| S. No. | Source of Power (Station wise) | Installed Capacity | Utility share (%) | Utility share (MW) | Total Energy Sent Out (ESO) from the station (MU) | External Losses outside the State (%) | Energy Received at State boundary (MU) | Losses within the State (%) | Energy received by licensee (%) | Total Annual Fixed charges (Rs Crore) | Capacity Charges paid/ payable by Utility (Rs Crore) | Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh) | Total Variable Charges (Rs Crore) | Incentive (Rs Crore) | Any Other Charges (Please specify the type of charges) | Total Cost of Energy Received (Rs Crore) | Avg cost of energy received (Rs/kWh) |
|--------|--------------------------------|--------------------|-------------------|--------------------|---|---------------------------------------|--|-----------------------------|---------------------------------|---------------------------------------|--|---|-----------------------------------|----------------------|--|--|--------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 1 | 21/1135 - W/I | 6500 | NA | NA | NA | NA | NA | NA | 28233000 | 21566250 | NA | | 162339750 | | | 183906000 | 6.51 |
| 2 | 5/5403 - Vallarpadam | 3000 | NA | NA | NA | NA | NA | NA | 8016100 | 8100000 | NA | | 46092575 | | | 54192575 | 6.76 |
| | Total | 9500 | | | | | | | 36249100 | 29666250 | | | 208432325 | | | 238098575 | 6.57 |

Year: 2017-18 (Actual)

| S. No. | Source of Power (Station wise) | Installed Capacity | Utility share (%) | Utility share (MW) | Total Energy Sent Out (ESO) from the station (MU) | External Losses outside the State (%) | Energy Received at State boundary (MU) | Losses within the State (%) | Energy received by licensee (%) | Total Annual Fixed charges (Rs Crore) | Capacity Charges paid/ payable by Utility (Rs Crore) | Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh) | Total Variable Charges (Rs Crore) | Incentive (Rs Crore) | Any Other Charges (Please specify the type of charges) | Total Cost of Energy Received (Rs Crore) | Avg cost of energy received (Rs/kWh) |
|--------|--------------------------------|--------------------|-------------------|--------------------|---|---------------------------------------|--|-----------------------------|---------------------------------|---------------------------------------|--|---|-----------------------------------|----------------------|--|--|--------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 1 | 21/1135 - W/I | 6500 | NA | NA | NA | NA | NA | NA | 26516100 | 20444100 | | | 158758850 | | | 179202950 | 6.76 |
| 2 | 5/5403 - Vallarpadam | 3000 | NA | NA | NA | NA | NA | NA | 8028900 | 8100000 | | | 48059638 | | | 56159638 | 6.99 |
| | Total | 9500 | | | | | | | 34545000 | 28544100 | | | 206818488 | | | 235362588 | 6.81 |

Year: 2018-19 (Projection)

| S. No. | Source of Power (Station wise) | Installed Capacity | Utility share (%) | Utility share (MW) | Total Energy Sent Out (ESO) from the station (MU) | External Losses outside the State (%) | Energy Received at State boundary (MU) | Losses within the State (%) | Energy received by licensee (%) | Total Annual Fixed charges (Rs Crore) | Capacity Charges paid/ payable by Utility (Rs Crore) | Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh) | Total Variable Charges (Rs Crore) | Incentive (Rs Crore) | Any Other Charges (Please specify the type of charges) | Total Cost of Energy Received (Rs Crore) | Avg cost of energy received (Rs/kWh) |
|--------|--------------------------------|--------------------|-------------------|--------------------|---|---------------------------------------|--|-----------------------------|---------------------------------|---------------------------------------|--|---|-----------------------------------|----------------------|--|--|--------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 1 | 21/1135 - W/I | 6500 | NA | NA | NA | NA | NA | NA | 25867710 | 19435896 | | | 155206260 | | | 174642156 | 6.75 |
| 2 | 5/5403 - Vallarpadam | 3000 | NA | NA | NA | NA | NA | NA | 9020880 | 8100000 | | | 54125280 | | | 62225280 | 6.90 |
| | Total | 9500 | | | | | | | 34888590 | 27535896 | | | 209331540 | | | 236867436 | 6.79 |

Year: 2019-20 (Projection)

| S. No. | Source of Power (Station wise) | Installed Capacity | Utility share (%) | Utility share (MW) | Total Energy Sent Out (ESO) from the station (MU) | External Losses outside the State (%) | Energy Received at State boundary (MU) | Losses within the State (%) | Energy received by licensee (%) | Total Annual Fixed charges (Rs Crore) | Capacity Charges paid/ payable by Utility (Rs Crore) | Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh) | Total Variable Charges (Rs Crore) | Incentive (Rs Crore) | Any Other Charges (Please specify the type of charges) | Total Cost of Energy Received (Rs Crore) | Avg cost of energy received (Rs/kWh) |
|--------|--------------------------------|--------------------|-------------------|--------------------|---|---------------------------------------|--|-----------------------------|---------------------------------|---------------------------------------|--|---|-----------------------------------|----------------------|--|--|--------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 1 | 21/1135 - W/I | 6500 | NA | NA | NA | NA | NA | NA | 26185064 | 19824614 | | | 157110385 | | | 176934999 | 6.76 |

Form D 3.1

Power Purchase Expenses

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

| | | | | | | | | | | | | | | | | | |
|---|----------------------|-------------|----|----|----|----|----|----|-----------------|-----------------|--|--|------------------|--|--|------------------|------|
| 2 | 5/5403 - Vallarpadam | 3000 | NA | NA | NA | NA | NA | NA | 9201298 | 8100000 | | | 55207786 | | | 63307786 | 6.88 |
| | Total | 9500 | | | | | | | 35386362 | 27924614 | | | 212318171 | | | 240242785 | 6.79 |

Year: 2020-21(Projection)

| S. No. | Source of Power (Station wise) | Installed Capacity | Utility share (%) | Utility share (MW) | Total Energy Sent Out (ESO) from the station (MU) | External Losses outside the State (%) | Energy Received at State boundary (MU) | Losses within the State (%) | Energy received by licensee (%) | Total Annual Fixed charges (Rs Crore) | Capacity Charges paid/ payable by Utility (Rs Crore) | Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh) | Total Variable Charges (Rs Crore) | Incentive (Rs Crore) | Any Other Charges (Please specify the type of charges) | Total Cost of Energy Received (Rs Crore) | Avg cost of energy received (Rs/kWh) |
|--------|--------------------------------|--------------------|-------------------|--------------------|---|---------------------------------------|--|-----------------------------|---------------------------------|---------------------------------------|--|---|-----------------------------------|----------------------|--|--|--------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 1 | 21/1135 - W/I | 6500 | NA | NA | NA | NA | NA | NA | 26708765 | 20221106 | | | 160252593 | | | 180473699 | 6.76 |
| 2 | 5/5403 - Vallarpadam | 3000 | NA | NA | NA | NA | NA | NA | 9385324 | 8100000 | | | 56311941 | | | 64411941 | 6.86 |
| | Total | 9500 | | | | | | | 36094089 | 28321106 | | | 216564534 | | | 244885640 | 6.78 |

Year: 2021-22 (Projection)

| S. No. | Source of Power (Station wise) | Installed Capacity | Utility share (%) | Utility share (MW) | Total Energy Sent Out (ESO) from the station (MU) | External Losses outside the State (%) | Energy Received at State boundary (MU) | Losses within the State (%) | Energy received by licensee (%) | Total Annual Fixed charges (Rs Crore) | Capacity Charges paid/ payable by Utility (Rs Crore) | Variable Cost per unit including Fuel Price Adjustment(Rs/k Wh) | Total Variable Charges (Rs Crore) | Incentive (Rs Crore) | Any Other Charges (Please specify the type of charges) | Total Cost of Energy Received (Rs Crore) | Avg cost of energy received (Rs/kWh) |
|--------|--------------------------------|--------------------|-------------------|--------------------|---|---------------------------------------|--|-----------------------------|---------------------------------|---------------------------------------|--|---|-----------------------------------|----------------------|--|--|--------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 1 | 21/1135 - W/I | 6500 | NA | NA | NA | NA | NA | NA | 27777116 | 20625528 | | | 166662697 | | | 187288225 | 6.74 |
| 2 | 5/5403 - Vallarpadam | 3000 | NA | NA | NA | NA | NA | NA | 9760736 | 8100000 | | | 58564419 | | | 66644419 | 6.83 |
| | Total | 9500 | | | | | | | 37537853 | 28725528 | | | 225227116 | | | 253952644 | 6.77 |

Form D 3.4(a)

Employee Expenses

Name of Licensee

Cochin Port Trust

Rs. Lakhs

| S. No. | Particulars | Reference | 2016-17 | 2017-18 | | 2018-19 | 2019-20 | 2020-21 | 2021-22 | Remarks |
|--------|--|-----------|---------------|-----------------------|----------------------------------|---------------|---------------|---------------|---------------|---------|
| | | | Audited | Truing Up Requirement | Approved by the Commission (ARR) | Projected | Projected | Projected | Projected | |
| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 | 11 | 12 |
| 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 | | 781.35 | 814.71 | | 854.60 | 774.63 | 792.43 | 854.86 | |
| 10 | Bonus/Ex-Gratia Payments | | | | | | | | | |
| 11 | Interim Relief / Wage Revision | | | | | | | | | |
| 12 | Staff welfare expenses | | | | | | | | | |
| 13 | VRS Expenses/Retrenchment Compensation | | | | 350.95 | | | | | |
| 14 | Commission to Directors | | | | | | | | | |
| 15 | Training Expenses | | | | | | | | | |
| 16 | Payment under Workmen's Compensation Act | | | | | | | | | |
| 17 | Net Employee Costs | | 781.35 | 814.71 | | 854.60 | 774.63 | 792.43 | 854.86 | |
| 18 | Terminal Benefits | | 85.95 | 89.62 | | 94.01 | 85.21 | 87.17 | 94.03 | |
| 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 | | 867.30 | 904.32 | | 948.60 | 859.84 | 879.60 | 948.89 | |
| 21 | Less: Expenses Capitalised | | | | | | | | | |
| 22 | Net Employee Expenses | | 867.30 | 904.32 | 350.95 | 948.60 | 859.84 | 879.60 | 948.89 | |

| |
|--|
| Form D 3.4(b) |
| Administrative & General Expenses |

Name of Licensee

Cochin Port Trust

Rs. Lakh

| S. No. | Particulars | GL as per Accounts | % | 2016-17 | 2017-18 | | 2018-19 | 2019-20 | 2020-21 | 2021-22 | Remarks |
|--------|--|--------------------|----|--------------|-----------------------|----------------------------------|--------------|--------------|--------------|--------------|---------|
| | | | | Audited | Truing Up Requirement | Approved by the Commission (ARR) | Projected | Projected | Projected | Projected | |
| 1 | 2 | 3 | | 4 | 5 | 7 | | 8 | 9 | 10 | 11 |
| 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 | | | 2.35 | 2.22 | | 2.53 | | | | |
| 28 | Cost of services procured | | | | | | | | | | |
| 29 | Outsourcing of metering and billing system | | | | | | | | | | |
| 30 | V-sat, Internet and related charges | 620022 | 1% | 0.19 | 0.16 | | 0.17 | | | | |
| 31 | Security arrangements | | | 36.10 | 43.66 | | 46.68 | | | | |
| 32 | Books & periodicals | 620001 | 1% | 0.00 | 0.00 | | 0.00 | | | | |
| 33 | Computer Stationery | 620000 | 1% | 0.07 | 0.05 | | 0.06 | | | | |
| 34 | Others | | | | | | | | | | |
| 35 | Gross A&G Expenses | | | 70.43 | 66.31 | | 70.44 | | | | |
| 36 | Ele. Duty u/s 3(I), KED Act | | | 17.70 | 17.06 | | 17.06 | | | | |
| 37 | Less: Expenses Capitalised | | | | | | | | | | |
| 38 | Net A&G Expenses | | | 88.12 | 83.36 | 39.33 | 87.50 | 89.25 | 91.03 | 92.86 | |

D3.4(c)

Form D 3.4(c)

Repair & Maintenance Expenses

Name of Licensee

Cochin Port Trust

Rs. Lakhs

| S. No. | Particulars | Reference | 2016-17 | 2017-18 | | 2018-19 | 2019-20 | 2020-21 | 2021-22 | Remarks | | | |
|--------|-------------------------------|-----------|--------------|-----------------------|----------------------------|--------------|--------------|--------------|--------------|---------|--|--|--|
| | | | Audited | Truing Up Requirement | Approved by the Commission | Projected | Projected | Projected | Projected | | | | |
| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 | 11 | 12 | | | |
| 1 | Plant & Machinery | | 20.60 | 9.44 | 10.55 | 24.97 | 27.89 | 28.44 | 29.01 | | | | |
| 2 | Buildings | | | | | | | | | | | | |
| 3 | Civil Works | | | | | | | | | | | | |
| 4 | Hydraulic Works | | | | | | | | | | | | |
| 5 | Lines & Cable Networks | | | | | | | | | | | | |
| 6 | Vehicles | | 1.98 | 1.92 | | 2.37 | | | | | | | |
| 7 | Furniture & Fixtures | | | | | | | | | | | | |
| 8 | Office Equipment | | | | | | | | | | | | |
| 9 | Gross R&M Expenses | | 22.58 | 11.37 | | 27.34 | | | | | | | |
| 10 | Less: Expenses Capitalised | | | | | | | | | | | | |
| 11 | Net R&M Expenses | | 22.58 | 11.37 | 10.55 | 27.34 | 27.89 | 28.44 | 29.01 | | | | |

Form D 3.5

Fixed assets & depreciation

Name of Distribution

Business/Licensee

Licensed Area of Supply

Cochin Port Trust

Willingdon Island & Vallarpadam

Year 2016-17 (Actuals)

(Figures in lakhs)

| S. No. | Asset Group (as per notification in respect of depreciation) | Rate of depreciation (%) | Gross fixed assets | | | | 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 | 9 | 10 | 11 | 12 | 13 |
| 1 | Land & land rights | | | | | | | | | | | |
| 2 | Other Civil works | | | | | | | | | | | |
| 3 | HV Distribution system | | | | | | | | | | | |
| a) | Distribution lines | | 33.37 | | | 33.37 | 18.29 | 2.92 | | 21.20 | 15.08 | 12.17 |
| b) | Sub-station equipments | | 3715.87 | | | 3715.87 | 1064.61 | 183.45 | | 1248.06 | 2651.26 | 2467.81 |
| i) | Transformers | | 353.18 | 4.10 | | 357.27 | 195.43 | 14.56 | | 210.00 | 157.74 | 147.28 |
| ii) | Switchgears, Control gear & Protection | | | | | | | | | | | |
| iii) | Batteries | | | | | | | | | | | |
| iv) | Others | | 152.84 | | | 152.84 | 89.66 | 4.22 | | 93.88 | 63.18 | 58.97 |
| 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 | | 5.67 | | | 5.67 | 4.98 | 0.04 | | 5.03 | 0.69 | 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 | | | | | | | | | | | |

Form D 3.5

Fixed assets & depreciation

Name of Distribution

Business/Licensee

Cochin Port Trust

Licensed Area of Supply

Willingdon Island & Vallarpadam

Year 2016-17 (Actuals)

(Figures in lakhs)

| S. No. | Asset Group (as per notification in respect of depreciation) | Rate of depreciation (%) | Gross fixed assets | | | | 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 |
| 16 | Gross Asset (Total (1) to (15)) | | 4260.94 | 4.10 | 0.00 | 4265.03 | 1372.97 | 205.18 | 0.00 | 1578.16 | 2887.96 | 2686.87 |
| 17 | Less: Consumer contribution | | | | | | | | | | | |
| 18 | Less: Government grants | | | | | | | | | | | |
| 19 | Less: Deposit Works | | | | | | | | | | | |
| 20 | Less: Capital Subsidies | | | | | | | | | | | |
| 21 | Net Asset considered for depriiation (16-17-18-19-20) | | 4260.94 | 4.10 | 0.00 | 4265.03 | 1372.97 | 205.18 | 0.00 | 1578.16 | 2887.96 | 2686.87 |

Form D 3.5

Fixed assets & depreciation

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

Year 2017-18 (Actuals)

(Figures in Rs. lakh)

| S. No. | Asset Group (as per notification in respect of depreciation) | Rate of depreciation (%) | Gross fixed assets | | | | 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 |
| 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)) | | 4265.03 | 13.00 | 0.00 | 4,278.03 | 1,578.17 | 206.16 | 0.00 | 1,784.33 | 2,686.88 | 2,493.72 |
| 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) | | 4265.03 | 13.00 | 0.00 | 4,278.03 | 1,578.17 | 206.16 | 0.00 | 1,784.33 | 2,686.88 | 2,493.72 |

Form D 3.5

Fixed assets & depreciation

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

Year 2018-19 (Estimate)

(Figures in Rs lakh)

| S. No. | Asset Group (as per notification in respect of depreciation) | Rate of depreciation (%) | Gross fixed assets | | | | 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 |
| 13 | Assets taken over & pending final valuation | | | | | | | | | | | |
| 14 | IT Equipments | | | | | | | | | | | |
| 15 | Any other items | | | | | | | | | | | |
| 16 | Gross Asset (Total (1) to (15)) | | 4,278.03 | 50.27 | - | 4,328.30 | 1,784.33 | 208.52 | - | 1,992.85 | 2,493.72 | 2,335.46 |
| 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) | | 4,278.03 | 50.27 | - | 4,328.30 | 1,784.33 | 208.52 | - | 1,992.85 | 2,493.72 | 2,335.46 |

Note : Depreciation has been considered on the estimated cost excluding grant received

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 (projections)

(Figures in Rs lakh)

| S. No. | Asset Group (as per notification in respect of depreciation) | Rate of depreciation (%) | Gross fixed assets | | | | 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 |
| 13 | Assets taken over & pending final valuation | | | | | | | | | | | |
| 14 | IT Equipments | | | | | | | | | | | |
| 15 | Any other items | | | | | | | | | | | |
| 16 | Gross Asset (Total (1) to (15)) | | 4,328.30 | 447.20 | - | 4,775.50 | 1,992.85 | 208.50 | - | 2,201.35 | 2,335.46 | 2,574.16 |
| 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) | | 4,328.30 | 447.20 | - | 4,775.50 | 1,992.85 | 208.50 | - | 2,201.35 | 2,335.46 | 2,574.16 |

Note : Depreciation has been considered on the estimated cost excluding grant received

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 (projections)

(Figures in Rs lakh)

| S. No. | Asset Group (as per notification in respect of depreciation) | Rate of depreciation (%) | Gross fixed assets | | | | 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 | | 84.97 | | | 84.97 | 29.93 | 3.08 | | 33.01 | 55.04 | 51.96 |
| b) | Sub-station equipments | | 3,801.07 | 142.00 | | 3,943.07 | 1,798.39 | 186.08 | | 1,984.48 | 2,002.68 | 1,958.60 |
| i) | Transformers | | 396.28 | | | 396.28 | 256.03 | 16.49 | | 272.53 | 140.24 | 123.75 |
| ii) | Switchgears, Control gear & Protection | | | | | | | | | | | |
| iii) | Batteries | | | | | | | | | | | |
| iv) | Others | | 152.84 | | | 152.84 | 106.53 | 4.15 | | 110.67 | 46.32 | 42.18 |
| 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 | | 66.07 | | | 66.07 | 5.16 | 3.23 | | 8.40 | 60.91 | 57.68 |
| 7 | Solar Top panel | | 274.27 | | | 274.27 | 5.31 | 14.48 | | 19.79 | 268.96 | 254.48 |
| 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)) | | 4,775.50 | 142.00 | - | 4,917.50 | 2,201.35 | 227.52 | - | 2,428.87 | 2,574.16 | 2,488.65 |

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 (projections)

(Figures in Rs lakh)

| S. No. | Asset Group (as per notification in respect of depreciation) | Rate of depreciation (%) | Gross fixed assets | | | | 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 |
| 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) | | 4,775.50 | 142.00 | - | 4,917.50 | 2,201.35 | 227.52 | - | 2,428.87 | 2,574.16 | 2,488.65 |

Note : Depreciation has been considered on the estimated cost excluding grant received

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 (projections)

(Figures in Rs lakhs)

| S. No. | Asset Group (as per notification in respect of depreciation) | Rate of depreciation (%) | Gross fixed assets | | | | 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 |
| 18 | Less: Government grants | | | | | | | | | | | |
| 19 | Less: Deposit Works | | | | | | | | | | | |
| 20 | Less: Capital Subsidies | | | | | | | | | | | |
| 21 | Net Asset considered for depriciation (16-17-18-19-20) | | 4,917.50 | - | - | 4,917.50 | 2,428.87 | 177.00 | - | 2,605.87 | 2,488.65 | 2,311.65 |

Note : Depreciation has been considered on the estimated cost excluding grant received

Form D 3.7

Interest on Working Capital

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Rs.in Lakhs

| Particulars | 2016-17 (Actual) | 2017-18 (Actual) | 2018-19 Estimate | 2019-20 Projected | 2020-21 Projected | 2021-22 Projected |
|--|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|
| Receipts | | | | | | |
| Total income received excl receivables | 3,169.82 | 3,106.28 | 2,863.14 | 3,080.31 | 3,281.62 | 3,485.56 |
| Security deposits from consumers | 41.97 | 80.88 | - | - | - | - |
| Other Income | 40.27 | 39.58 | 43.75 | 43.75 | 43.75 | 43.75 |
| | 3,252.06 | 3,226.73 | 2,906.89 | 3,124.06 | 3,325.37 | 3,529.31 |
| Payments | | | | | | |
| Total payments towards purchase of electricity | 2,380.98 | 2,353.63 | 2,368.67 | 2,402.43 | 2,448.86 | 2,539.53 |
| Security deposit from consumers invested in bank | 41.97 | 80.88 | - | - | - | - |
| Total expenses involving cash outflow (O&M+Emp Cost+A&G) | 978.00 | 999.05 | 1,063.44 | 976.98 | 999.08 | 1,070.76 |
| Payment of SD with KSEB | 7.88 | 17.09 | 17.00 | 17.00 | 17.00 | 17.00 |
| Repayment of GoI Loans | | | 426.09 | 426.09 | 426.09 | 426.09 |
| Repayment of Interest on GoI loans | | | 369.58 | 369.58 | 369.58 | 369.58 |
| Interest on SD (maintained by customers with us) paid | 33.35 | 31.31 | 31.31 | 31.31 | 31.31 | 31.31 |
| | 3,442.18 | 3,481.95 | 4,276.10 | 4,223.39 | 4,291.91 | 4,454.27 |
| Cash Surplus / deficit | (190.12) | (255.22) | (1,369.20) | (1,099.33) | (966.54) | (924.96) |
| Fund transferred from CPT | 190.12 | 255.22 | 1,369.20 | 1,099.33 | 966.54 | 924.96 |
| Opening Balance of Working Capital | 1,448.46 | 1,638.58 | 1,893.79 | 3,263.00 | 4,362.33 | 5,328.87 |
| Total Working capital loan availed during the year from CoPT | 190.12 | 255.22 | 1,369.20 | 1,099.33 | 966.54 | 924.96 |
| Working Capital at the end of the year | 1,638.58 | 1,893.79 | 3,263.00 | 4,362.33 | 5,328.87 | 6,253.83 |
| Interest @ 10.5% | 172.05 | 198.85 | 342.61 | 458.04 | 559.53 | 656.65 |

Form D 3.8

Return on Equity/Return on Net Fixed Assets

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Rs. Lakhs

| S.No. | Particulars | Ref. | 2016-17 | | | 2017-18 | | | 2018-19 | 2019-20 | 2020-21 | 2021-22 |
|-------|--|-----------------|-----------------------------|----------------|--|-----------------------------|---------|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | | | Approved in Tariff Order | Audited | Truing Up Approved by the Commission | Approved in Tariff Order | Audited | Truing Up requirement | (Projected) | (Projected) | (Projected) | (Projected) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 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) | 2282.24 | 2887.96 | 2899.09 | 2085.23 | | 2686.88 | 2,493.72 | 2,335.46 | 2,574.16 | 2,488.65 |
| 9 | Rate of return | 3% | 3% | 3% | 3% | 3% | | 3% | 3% | 3% | 3% | 3% |
| 10 | Total return on net fixed assets | 3% * (8) | 74.38 | 86.64 | 86.97 | 68.47 | | 80.61 | 74.81 | 70.06 | 77.22 | 74.66 |

Form D 4.2

Consolidated report on additions to Fixed Assets during the year

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & vallarpadam

Year: 2016-17 (Actual)

| S.No. | Asset Description | Asset Code | Total Addition to Assets | Date of commissioning |
|-------|-----------------------------------|------------|--------------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Transformer Oil Filtering machine | 11000205 | 4,09,500.00 | 06.04.2016 |

Year: 2017-18 (Actual)

| S.No. | Asset Description | Asset Code | Total Addition to Assets | Date of commissioning |
|-------|---------------------------------|------------|--------------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | 11 KV RMU near HHA at IG road | 11000209 | 7,22,847 | 31.07.2017 |
| 2 | 110 kV Grade Lightning arrestor | | 2,88,654 | 06.04.2016 |
| 3 | 110 kV Grade Lightning arrestor | | 2,88,654 | 11.05.2016 |
| | Total | | 13,00,154 | |

Year: 2018-19 (Projection)

| S.No. | Asset Description | Asset Code | Total Addition to Assets | Date of commissioning |
|-------|--|------------|--------------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Solar Panel at roof top of RNAS Quarters at W/island | | 50,27,000 | 01.04.2018 |

Year: 2019-20 (Projection)

| S.No. | Asset Description | Asset Code | Total Addition to Assets | Date of commissioning |
|-------|--|------------|--------------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Providing new HT cable to the new load centre at A2 area | | 51,60,000 | 31.03.2020 |
| 2 | 11KV Bay extension | | 1,60,000 | 31.03.2020 |
| 3 | Installation of star rated distribution transformer | | 15,20,000 | 31.03.2020 |
| 4 | RMU | | 24,40,000 | 31.03.2020 |
| 5 | Ground Mounted solar panel | | 58,00,000 | 31.03.2020 |
| 6 | Solar panel at roof top of residential quarters | | 120,00,000 | 31.03.2020 |
| 7 | Solar panel at roof top of 11KV switching station at vallarpadam | | 46,00,000 | 31.03.2020 |
| 8 | Providing shore power at Q2 Q3 berth at M/Wharf | | 62,00,000 | 31.03.2020 |
| 9 | Smart metering Project | | 60,40,000 | 31.03.2020 |
| 10 | Open access power | | 8,00,000 | 31.03.2020 |
| | Total | | 447,20,000 | |

Year: 2020-21 (Projection)

| S.No. | Asset Description | Asset Code | Total Addition to Assets | Date of commissioning |
|-------|---|------------|--------------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Providing shore power to vessels calling at UTL berth | | 142,00,000 | 31.03.2021 |

Year: 2021-22 (Projection)

| S.No. | Asset Description | Asset Code | Total Addition to Assets | Date of commissioning |
|-------|-------------------|------------|--------------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 |
| | | | | |

Form D 4.3

General (Other debits, write offs or any other items)

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon island & Vallarpadam

(Rs.lakhs)

| S. No. | Particulars (specify items) | 2016-17 | | | 2017-18 | | | 2018-19 | 2019-20 | 2020-21 | 2021-22 | Remarks |
|--------|---|--------------------------------------|--------------|--|--------------------------------------|-------------|--------------------------|--------------|--------------|--------------|--------------|---------|
| | | Approved in Tariff Order (ARR) | Audited | Truing Up approved by the commission | Approved in Tariff Order (ARR) | Audited | Truing Up requirement | Projected | Projected | Projected | Projected | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1 | Interest on Security Deposit of consumers | 0.00 | 33.35 | 33.35 | 0.00 | 0.00 | 31.31 | 31.31 | 31.31 | 31.31 | 31.31 | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| | Total | 0.00 | 33.35 | 33.35 | 0.00 | 0.00 | 31.31 | 31.31 | 31.31 | 31.31 | 31.31 | |
| | Less | | | | | | | | | | | |
| | Chargable to Capital Expenses | | | | | | | | | | | |
| | Net chargable to revenue | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Form D 5.1

Consumer category wise Existing Tariff

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2016-17 (Actual)

| S. No. | Particulars | Demand / Fixed charges | Energy Charges | Fuel Adjustment Charges | Capacitor/ Power Factor charges | Rebate | LPS | Minimum Billing |
|----------|----------------------------------|------------------------|--------------------|-------------------------|---------------------------------|-----------------------|-----------------------|-----------------------|
| | | KWh | KWh | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | LT Categories | | | | | | | |
| 1 | LT I | 1,50,620 | 29,69,687 | | | | | |
| 2 | LT II | 72,600 | 31,63,266 | | | | | |
| 3 | LT IV | 10,080 | 11,663 | | | | | |
| 4 | LT VI A | 9,750 | 25,06,904 | | | | | |
| 5 | LT VI B | 3,05,710 | 20,30,077 | | | | | |
| 6 | LT VI B (G) | 1,41,400 | 5,07,051 | | | | | |
| 7 | LT VI C | 5,75,640 | 26,80,647 | | | | | |
| 8 | LT VI C (G) | 1,67,192 | 3,12,114 | | | | | |
| 9 | LT VII A SINGLE PHASE | 9,95,880 | 21,54,414 | | | | | |
| 10 | LT VII A THREE PHASE | 87,89,040 | 389,15,750 | | | | | |
| 11 | LT VII C | 82,800 | 1,42,944 | | | | | |
| 12 | Self Consumption & Street Lights | 12,36,000 | 179,23,000 | | | | | |
| | HT Categories | | | | | | | |
| 1 | HT GOVT | 46,38,750 | 62,25,407 | | | | | |
| 2 | HT IV COMMERCIAL | 363,96,400 | 1386,07,865 | | | | | |
| 3 | HT INDUSTRIAL | 9,46,800 | 36,68,107 | | | | | |
| 4 | HT IV MALABAR | 30,52,000 | 217,59,564 | | | | | |
| | Extra High Tension (EHT) | | | | | | | |
| 1 | ... | | | | | | | |
| 2 | ... | | | | | | | |
| | Bulk Consumers/ Licensees | | | | | | | |
| 1 | ... | | | | | | | |
| 2 | ... | | | | | | | |
| | | 575,70,662 | 2435,78,460 | | | | | |

Form D 5.1

Consumer category wise Existing Tariff

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2017-18(Actual)

| S. No. | Particulars | Demand / Fixed charges | Energy Charges | Fuel Adjustment Charges | Capacitor/ Power Factor charges | Rebate | LPS | Minimum Billing |
|----------|----------------------------------|------------------------|--------------------|-------------------------|---------------------------------|-----------------------|-----------------------|-----------------------|
| | | KWh | KWh | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | LT Categories | | | | | | | |
| 1 | LT I | 1,86,670 | 28,09,411 | | | | | |
| 2 | LT II | 9,400 | 29,15,028 | | | | | |
| 3 | LT IV | 12,180 | 7,924 | | | | | |
| 4 | LT VI F | 2,33,630 | 1,16,926 | | | | | |
| 5 | LT VI A | 1,06,900 | 28,22,513 | | | | | |
| 6 | LT VI B | 2,92,170 | 22,03,147 | | | | | |
| 7 | LT VI B G | 1,41,960 | 6,10,557 | | | | | |
| 8 | LT VI C | 5,63,040 | 24,46,600 | | | | | |
| 9 | LT VI C G | 1,91,880 | 4,01,461 | | | | | |
| 10 | LT VII A SINGLE PHASE | 4,46,250 | 17,88,004 | | | | | |
| 11 | LT VII A THREE PHASE | 77,47,920 | 368,25,267 | | | | | |
| 12 | LT VII C | 66,150 | 1,73,524 | | | | | |
| 13 | Self Consumption & Street Lights | 14,05,633 | 145,12,082 | | | | | |
| | | | | | | | | |
| | HT Categories | | | | | | | |
| 1 | HT GOVT | 45,29,120 | 73,13,975 | | | | | |
| 2 | HT II (B) GOVT | 20,41,050 | 25,62,309 | | | | | |
| 3 | HT IV COMMERCIAL | 374,30,973 | 1338,27,835 | | | | | |
| 4 | HT INDUSTRIAL | 34,00,500 | 39,87,882 | | | | | |
| 5 | HT IV MALABAR | 57,18,800 | 205,60,215 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | Extra High Tension (EHT) | | | | | | | |
| 1 | ... | | | | | | | |
| 2 | ... | | | | | | | |
| | Bulk Consumers/ Licensees | | | | | | | |
| 1 | ... | | | | | | | |
| 2 | ... | | | | | | | |
| | | 645,24,226 | 2358,84,661 | | | | | |

Form D 5.2

Consumer category wise Proposed Tariff

Name of Distribution Business/Licensee

Cochin Port Trust

Licensed Area of Supply

Willingdon Island & Vallarpadam

Year 2018-19 (Estimate)

| S. No. | Particulars | Demand / Fixed charges | Energy Charges | Fuel Adjustment Charges | Capacitor/ Power Factor charges | Rebate | LPS | Minimum Billing |
|--------|----------------------------------|------------------------|--------------------|-------------------------|---------------------------------|-----------------------|-----------------------|-----------------------|
| | | KWh | KWh | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | LT Categories | | | | | | | |
| 1 | LT I | 2,06,374 | 29,59,594 | | | | | |
| 2 | LT II | 734 | 28,17,750 | | | | | |
| 3 | LT IV | 89,352 | 2,45,740 | | | | | |
| 4 | LT VI A | 1,08,936 | 28,14,691 | | | | | |
| 5 | LT VI B | 2,99,023 | 23,07,337 | | | | | |
| 6 | LT VI B G | 1,44,799 | 5,37,242 | | | | | |
| 7 | LT VI C | 5,15,549 | 18,53,345 | | | | | |
| 8 | LT VI C G | 2,24,726 | 4,36,425 | | | | | |
| 9 | LT VI F | 39,658 | 1,43,355 | | | | | |
| 10 | LT VII A SINGLE PHASE | 4,53,614 | 22,42,370 | | | | | |
| 11 | LT VII A THREE PHASE | 75,53,304 | 335,74,283 | | | | | |
| 12 | LT VII C | 50,674 | 2,30,342 | | | | | |
| 13 | Self Consumption & Street Lights | 7,98,784 | 200,49,866 | | | | | |
| | HT Categories | | | | | | | |
| 1 | HT Govt | 27,27,480 | 47,18,778 | | | | | |
| 2 | HT II (B) Govt | 9,95,520 | 28,58,296 | | | | | |
| 3 | HT IV Commercial | 334,51,104 | 1330,66,183 | | | | | |
| 4 | HT Industries | 9,94,500 | 33,65,032 | | | | | |
| 5 | HT IV Malabar | 27,58,896 | 207,20,568 | | | | | |
| | Extra High Tension (EHT) | | | | | | | |
| | Bulk Consumers/ Licensees | | | | | | | |
| | Total | 514,13,028 | 2349,41,198 | | | | | |

Form D 5.2

Consumer category wise Proposed Tariff

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2019-20 (Projection)

| S. No. | Particulars | Demand / Fixed charges | Energy Charges | Fuel Adjustment Charges | Capacitor/ Power Factor charges | Rebate | LPS | Minimum Billing |
|--------|----------------------------------|------------------------|--------------------|-------------------------|---------------------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | KWh | KWh | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> |
| | LT Categories | | | | | | | |
| 1 | LT I | 2,16,692 | 31,07,573 | | | | | |
| 2 | LT II | 771 | 29,58,638 | | | | | |
| 3 | LT IV | 93,820 | 2,58,027 | | | | | |
| 4 | LT VI A | 1,14,383 | 29,55,425 | | | | | |
| 5 | LT VI B | 3,13,974 | 24,22,704 | | | | | |
| 6 | LT VI B G | 1,52,039 | 5,64,104 | | | | | |
| 7 | LT VI C | 5,41,326 | 19,46,012 | | | | | |
| 8 | LT VI C G | 2,35,963 | 4,58,247 | | | | | |
| 9 | LT VI F | 41,640 | 1,50,523 | | | | | |
| 10 | LT VII A SINGLE PHASE | 4,76,295 | 23,54,489 | | | | | |
| 11 | LT VII A THREE PHASE | 79,30,969 | 352,52,997 | | | | | |
| 12 | LT VII C | 53,207 | 2,41,859 | | | | | |
| 13 | Self Consumption & Street Lights | 8,38,724 | 280,77,356 | | | | | |
| | HT Categories | | | | | | | |
| 1 | HT Govt | 28,63,854 | 49,54,717 | | | | | |
| 2 | HT II (B) Govt | 10,45,296 | 30,01,211 | | | | | |
| 3 | HT IV Commercial | 351,23,659 | 1397,19,492 | | | | | |
| 4 | HT Industries | 10,44,225 | 35,33,283 | | | | | |
| 5 | HT IV Malabar | 28,96,841 | 217,56,596 | | | | | |
| | Extra High Tension (EHT) | | | | | | | |
| | Bulk Consumers/ Licensees | | | | | | | |
| | Total | 539,83,679 | 2537,13,254 | | | | | |

Form D 5.2

Consumer category wise Proposed Tariff

Name of Distribution Business/Licensee

Cochin Port Trust

Licensed Area of Supply

Willingdon Island & Vallarpadam

Year 2020-21 (Projection)

| S. No. | Particulars | Demand / Fixed charges | Energy Charges | Fuel Adjustment Charges | Capacitor/ Power Factor charges | Rebate | LPS | Minimum Billing |
|--------|----------------------------------|------------------------|--------------------|-------------------------|---------------------------------|--------|-----|-----------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | LT Categories | | | | | | | |
| 1 | LT I | 2,29,694 | 32,94,028 | | | | | |
| 2 | LT II | 817 | 31,36,156 | | | | | |
| 3 | LT IV | 99,449 | 2,73,509 | | | | | |
| 4 | LT VI A | 1,21,246 | 31,32,751 | | | | | |
| 5 | LT VI B | 3,32,813 | 25,68,066 | | | | | |
| 6 | LT VI B G | 1,61,162 | 5,97,951 | | | | | |
| 7 | LT VI C | 5,73,806 | 20,62,773 | | | | | |
| 8 | LT VI C G | 2,50,120 | 4,85,741 | | | | | |
| 9 | LT VI F | 44,139 | 1,59,554 | | | | | |
| 10 | LT VII A SINGLE PHASE | 5,04,873 | 24,95,758 | | | | | |
| 11 | LT VII A THREE PHASE | 84,06,827 | 373,68,177 | | | | | |
| 12 | LT VII C | 56,400 | 2,56,370 | | | | | |
| 13 | Self Consumption & Street Lights | 8,89,047 | 319,37,341 | | | | | |
| | HT Categories | | | | | | | |
| 1 | HT Govt | 30,35,685 | 52,52,000 | | | | | |
| 2 | HT II (B) Govt | 11,08,014 | 31,81,283 | | | | | |
| 3 | HT IV Commercial | 372,31,079 | 1481,02,661 | | | | | |
| 4 | HT Industries | 11,06,879 | 37,45,280 | | | | | |
| 5 | HT IV Malabar | 30,70,651 | 230,61,992 | | | | | |
| | Extra High Tension (EHT) | | | | | | | |
| | Bulk Consumers/ Licensees | | | | | | | |
| | Total | 572,22,700 | 2711,11,393 | | | | | |

Form D 5.2

Consumer category wise Proposed Tariff

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year 2021-22 (Projection)

| S. No. | Particulars | Demand / Fixed charges | Energy Charges | Fuel Adjustment Charges | Capacitor/ Power Factor charges | Rebate | LPS | Minimum Billing |
|--------|----------------------------------|------------------------|--------------------|-------------------------|---------------------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | KWh | KWh | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> | <Please specify Unit> |
| | LT Categories | | | | | | | |
| 1 | LT I | 2,43,476 | 34,91,670 | | | | | |
| 2 | LT II | 866 | 33,24,325 | | | | | |
| 3 | LT IV | 1,05,416 | 2,89,920 | | | | | |
| 4 | LT VI A | 1,28,521 | 33,20,716 | | | | | |
| 5 | LT VI B | 3,52,782 | 27,22,150 | | | | | |
| 6 | LT VI B G | 1,70,831 | 6,33,828 | | | | | |
| 7 | LT VI C | 6,08,234 | 21,86,539 | | | | | |
| 8 | LT VI C G | 2,65,128 | 5,14,886 | | | | | |
| 9 | LT VI F | 46,787 | 1,69,127 | | | | | |
| 10 | LT VII A SINGLE PHASE | 5,35,165 | 26,45,504 | | | | | |
| 11 | LT VII A THREE PHASE | 89,11,237 | 396,10,268 | | | | | |
| 12 | LT VII C | 59,784 | 2,71,753 | | | | | |
| 13 | Self consumption | 9,42,390 | 340,41,733 | | | | | |
| | HT Categories | | | | | | | |
| 1 | HT Govt | 32,17,826 | 55,67,120 | | | | | |
| 2 | HT II (B) Govt | 11,74,495 | 33,72,160 | | | | | |
| 3 | HT IV Commercial | 394,64,943 | 1569,88,821 | | | | | |
| 4 | HT Industries | 11,73,291 | 39,69,997 | | | | | |
| 5 | HT IV Malabar | 32,54,890 | 244,45,712 | | | | | |
| | Extra High Tension (EHT) | | | | | | | |
| | Bulk Consumers/ Licensees | | | | | | | |
| | Total | 606,56,062 | 2875,66,228 | | | | | |

Form D 6.1

Improvement in performance

Name of Distribution Business/Licensee

Cochn Port Trust

Licensed Area of Supply

Willingdon Island & Vallarpadam

| S.No. | Particulars | Ref | MYT Control Period | | | | | Remarks | |
|-------|--|-----|--------------------|---------|---------|---------|---------|---------|---------|
| | | | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | | 2021-22 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | Distribution Losses, (%) | | 2.03% | 2.00% | 2.00% | 2.00% | 2.00% | 1.60% | |
| 2 | Collection Efficiency, (%) | | 100% | 100% | 100% | 100% | 100% | 100% | |
| 3 | Distribution losses for (%) | | 2.30% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | |
| (a) | Urban areas with population exceeding 1 lakh | | | | | | | | |
| (b) | Industrial areas of load exceeding 5MVA# | | | | | | | | |
| (c) | Rural areas | | | | | | | | |
| 4 (a) | Percentage of consumers billed | | | | | | | | |
| 4 (b) | Revenue realisation , (Rs Cr) | | | | | | | | |
| 5 | Stopped Meters % | | | | | | | | |
| 6 (a) | Defective meters/metering arrangement% | | | | | | | | |
| 6 (b) | Replacement of Defective meters, % | | | | | | | | |
| 7 | Supply availability % | | | | | | | | |
| (1) | Base Load supply availability | | | | | | | | |
| (a) | Actual contracted Base Load supply in MW | | | | | | | | |
| (b) | Base Load in MW | | | | | | | | |
| (c) | Base Load supply availability (%) (c=a/b) | | | | | | | | |
| (2) | Peak Load supply availability | | | | | | | | |
| (d) | Actual Contracted Peak Load Supply in MW | | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | |
| (e) | Peak load in MW | | | | | | | | |
| (f) | Peak Load Supply Availability (%) (c=a/b) | | | | | | | | |
| | Supply availability % (0.75*c + 0.25*f) | | | | | | | | |
| 8 | Transformer failure rate | | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | |
| a. | Distribution transformers (%) | | | | | | | | |
| b. | Power transformers (%) | | | | | | | | |

Form D 7.1

Category-wise Sales

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

Year 2016-17 (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 | | | | | | | | | | | | | |
| | HT GOVT | 124012 | 123459 | 112132 | 94142 | 90798 | 100205 | 94291 | 99145 | 99461 | 93169 | 100198 | 96279 | 1227291 |
| | HT IV COMMERCIAL | 1633229 | 1809889 | 1804333 | 1612212 | 1472785 | 1602659 | 1506144 | 1595418 | 1491974 | 1517199 | 1548134 | 1379742 | 18973718 |
| | HT INDUSTRIAL | 30696 | 35208 | 32532 | 54600 | 112320 | 81816 | 62124 | 69012 | 70188 | 62100 | 35700 | 34584 | 680880 |
| | HT IV MALABAR | 275968 | 283652 | 220372 | 212200 | 246416 | 251720 | 241868 | 254388 | 245620 | 269564 | 254564 | 228908 | 2985240 |
| | Total | 2063905 | 2252208 | 2169369 | 1973154 | 1922319 | 2036400 | 1904427 | 2017963 | 1907243 | 1942032 | 1938596 | 1739513 | 23867129 |
| | LT Category | | | | | | | | | | | | | |
| | LT I | 83521 | 82708 | 85818 | 87674 | 79612 | 78632 | 81007 | 79726 | 77437 | 84495 | 81811 | 72220 | 974661 |
| | LT II | 31460 | 43702 | 26785 | 26647 | 25780 | 30565 | 26220 | 28440 | 25521 | 31300 | 25480 | 29960 | 351860 |
| | LT IV | 121 | 122 | 108 | 118 | 115 | 110 | 125 | 150 | 187 | 162 | 247 | 150 | 1715 |
| | LT VI A | 57785 | 32616 | 39826 | 26615 | 27395 | 29209 | 24520 | 28521 | 29438 | 31747 | 33662 | 37841 | 399175 |
| | LT VI B | 28310 | 30070 | 22442 | 22385 | 23518 | 22147 | 21519 | 23090 | 23472 | 27555 | 25788 | 23861 | 294157 |
| | LT VI B (G) | 6021 | 6050 | 6960 | 5298 | 5203 | 5259 | 5639 | 5198 | 7238 | 7089 | 6798 | 7002 | 73755 |
| | LT VI C | 33217 | 30051 | 27070 | 24296 | 23988 | 22977 | 23138 | 28051 | 25400 | 30332 | 27972 | 24115 | 320607 |
| | LT VI C (G) | 6772 | 3720 | 2946 | 3321 | 3523 | 3265 | 3263 | 3390 | 3049 | 3344 | 3461 | 3503 | 43557 |
| | LT VII A SINGLE PHASE | 24560 | 33131 | 24423 | 22038 | 23919 | 22284 | 22514 | 24941 | 21919 | 25074 | 28628 | 26778 | 300209 |
| | LT VII A THREE PHASE | 431750 | 372871 | 342037 | 294967 | 446500 | 308759 | 299323 | 334218 | 300128 | 332742 | 335819 | 413683 | 4212797 |
| | LT VII C | 1655 | 2165 | 1935 | 2066 | 1942 | 1987 | 1497 | 1755 | 1722 | 2039 | 1921 | 1345 | 22029 |
| | Total | 705172 | 637206 | 580350 | 515425 | 661495 | 525194 | 508765 | 557480 | 515511 | 575879 | 571587 | 640458 | 6994522 |
| | Grand Total | 2769077 | 2889414 | 2749719 | 2488579 | 2583814 | 2561594 | 2413192 | 2575443 | 2422754 | 2517911 | 2510183 | 2379971 | 30861651 |

Form D 7.1

Category-wise Sales

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

Year 2017-18 (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 | | | | | | | | | | | | | |
| | HT GOVT | 1,16,389 | 1,16,318 | 1,04,139 | 60,072 | 1,44,013 | 1,02,643 | 1,01,922 | 1,03,750 | 1,08,648 | 1,04,905 | 1,09,660 | 1,06,913 | 12,79,372 |
| | HT II (B) GOVT | 42,980 | 43,405 | 35,615 | 81,330 | 40,665 | 40,665 | 40,665 | 40,665 | 40,665 | 40,665 | 40,665 | | |
| | HT IV COMMERCIAL | 16,75,983 | 16,44,391 | 17,00,765 | 15,25,902 | 15,34,000 | 15,47,995 | 15,56,370 | 15,84,953 | 16,20,961 | 15,63,562 | 14,68,473 | 14,19,001 | 188,42,356 |
| | HT INDUSTRIAL | 41,868 | 68,244 | 73,608 | 93,360 | 1,06,788 | 73,908 | 49,344 | 42,096 | 46,788 | 48,084 | 52,224 | 48,468 | 7,44,780 |
| | HT IV MALABAR | 2,64,948 | 2,48,416 | 2,01,992 | 2,18,356 | 2,42,992 | 2,56,020 | 2,49,124 | 2,30,948 | 2,44,492 | 2,43,340 | 2,54,372 | 2,24,332 | 28,79,332 |
| | Total | 21,42,168 | 21,20,774 | 21,16,119 | 19,79,020 | 20,68,458 | 20,21,231 | 19,97,425 | 20,02,412 | 20,61,554 | 20,00,556 | 19,25,394 | 17,98,714 | 242,33,825 |
| | LT Category | | | | | | | | | | | | | |
| | LT I | 87,201 | 77,063 | 71,885 | 73,743 | 72,232 | 69,682 | 68,216 | 69,588 | 68,845 | 70,777 | 71,446 | 71,001 | 8,71,679 |
| | LT II | 38,220 | 30,280 | 27,500 | 24,600 | 27,500 | 25,480 | 25,360 | 26,460 | 2,880 | 0 | 78,060 | 28,680 | 3,35,020 |
| | LT IV | 147 | 83 | 124 | 92 | 93 | 78 | 110 | 101 | 113 | 92 | 0 | 238 | 1,271 |
| | LT VI A | 44,515 | 38,003 | 34,150 | 30,668 | 37,876 | 39,332 | 35,657 | 39,127 | 39,866 | 28,626 | 41,002 | 39,196 | 4,48,018 |
| | LT VI B | 32,601 | 27,547 | 23,475 | 21,520 | 27,270 | 25,809 | 24,982 | 27,082 | 27,823 | 23,946 | 22,665 | 31,990 | 3,16,710 |
| | LT VI B (G) | 8,230 | 7,549 | 6,594 | 5,547 | 6,177 | 6,083 | 6,111 | 7,174 | 6,349 | 5,902 | 6,161 | 13,884 | 85,761 |
| | LT VI C | 29,435 | 30,431 | 27,053 | 25,232 | 25,663 | 24,535 | 21,371 | 21,745 | 20,768 | 19,357 | 21,425 | 21,016 | 2,88,031 |
| | LT VI C (G) | 3,814 | 4,335 | 4,439 | 3,902 | 5,092 | 4,260 | 4,186 | 5,192 | 3,905 | 4,502 | 4,429 | 3,948 | 52,004 |
| | LT VI F | 1,847 | 1,565 | 1,143 | 681 | 1,402 | 1,781 | 1,106 | 1,357 | 1,147 | 1,187 | 0 | 2,805 | 16,021 |
| | LT VII A SINGLE PHASE | 31,579 | 30,424 | 27,174 | 25,021 | 29,087 | 25,478 | 24,335 | 28,370 | 27,497 | 24,461 | 26,128 | 26,577 | 3,26,131 |
| | LT VII A THREE PHASE | 3,76,103 | 3,50,880 | 3,18,058 | 3,03,562 | 3,59,508 | 3,13,941 | 3,02,420 | 3,34,282 | 2,91,753 | 3,14,977 | 3,05,476 | 4,18,280 | 39,89,240 |
| | LT VII C | 1,938 | 1,645 | 1,817 | 2,036 | 2,116 | 1,829 | 1,769 | 1,808 | 1,953 | 1,898 | 2,262 | 2,065 | 23,136 |
| | | 6,55,630 | 5,99,805 | 5,43,412 | 5,16,604 | 5,94,016 | 5,38,288 | 5,15,623 | 5,62,286 | 4,92,899 | 4,95,725 | 5,79,054 | 6,59,680 | 67,53,022 |
| | Grand Total | 27,97,798 | 27,20,579 | 26,59,531 | 24,95,624 | 26,62,474 | 25,59,519 | 25,13,048 | 25,64,698 | 25,54,453 | 24,96,281 | 25,04,448 | 24,58,394 | 309,86,847 |

Form D 7.2

Distribution Losses

Name of Distributor Cochin Port Trust
 Licensed Area of Supply Willingdon Island & Vallarpadam

Year 2018-19

| 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 | 2 | 2 | 348.88 | 346.79 | - | 346.79 | 2.09 | - | 0.60 | 0.60 | - | - |
| Circle 2 | 11 KV | 50 | 30 | 346.79 | 106.29 | 235.31 | 341.60 | 5.19 | | 1.22 | 1.26 | - | - |
| Circle 3 | LT | 215 | 25 | 106.29 | - | 106.29 | 105.87 | 0.42 | | 0.12 | 0.12 | - | - |
| | LT | 3 | 3 | | | | | | | | | | |

Year 2019-20

| 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 | 2 | 2 | 353.86 | 351.74 | - | 351.74 | 2.12 | - | 0.60 | 0.60 | - | - |
| Circle 2 | 11 KV | 50 | 30 | 351.74 | 99.70 | 247.07 | 346.77 | 4.97 | | 1.40 | 1.40 | - | - |

| | | | | | | | | | | | | | |
|----------|----|-----|----|-------|---|-------|-------|------|--|------|------|---|---|
| Circle 3 | LT | 215 | 25 | 99.70 | - | 99.28 | 99.28 | 0.42 | | 0.12 | 0.12 | - | - |
| | LT | 3 | 3 | | | | | | | | | | |

Year 2020-21

| 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 | 2 | 2 | 360.94 | 358.77 | - | 358.77 | 2.17 | - | 0.60 | 0.60 | - | - |
| Circle 2 | 11 KV | 50 | 30 | 358.77 | 96.50 | 261.90 | 358.40 | 0.37 | | 1.03 | 1.03 | - | - |
| Circle 3 | LT | 215 | 25 | 96.50 | - | 96.08 | 99.28 | 0.42 | | 0.12 | 0.12 | - | - |
| | | | | | | | | | | | | | |

Year 2021-22

| 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 | 2 | 2 | 375.37 | 373.12 | - | 373.12 | 2.25 | - | 0.60 | 0.60 | - | - |
| Circle 2 | 11 KV | 50 | 30 | 373.12 | 91.76 | 277.61 | 369.37 | 3.75 | | 1.00 | 1.00 | - | - |
| Circle 3 | LT | 215 | 25 | 91.76 | - | 91.76 | 91.76 | | | | | - | - |

Form D 7.3

Collection Efficiency

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
W/Island & Vallarpadam

(Rs. Lakhs)

| S. No. | Particulars | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | 2021-22 | Remarks |
|--------|--|-----------------------|-----------------------|-----------------|-----------------|-----------------|-----------------|---------|
| | | (Actuals/ Audited) | (Actuals/ Audited) | (Projected) | (Projected) | (Projected) | (Projected) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | HT Category | | | | | | | |
| 1 | HT GOVT | 108.64 | 118.43 | 74.46 | 78.19 | 82.88 | 87.85 | 100% |
| 2 | HT II (B) GOVT | - | 46.03 | 38.54 | 40.47 | 42.89 | 45.47 | 100% |
| 3 | HT IV COMMERCIAL | 1,750.04 | 1,712.59 | 1,665.17 | 1,748.43 | 1,853.34 | 1,964.54 | 100% |
| 4 | HT INDUSTRIAL | 46.15 | 73.88 | 43.60 | 45.78 | 48.52 | 51.43 | 100% |
| 5 | HT IV MALABAR | 248.12 | 262.79 | 234.79 | 246.53 | 261.33 | 277.01 | 100% |
| | | 2,152.95 | 2,213.73 | 2,056.56 | 2,159.39 | 2,288.96 | 2,426.29 | |
| | LT Category | | | | | | | |
| 1 | LT I | 31.20 | 29.96 | 31.66 | 33.24 | 35.24 | 37.35 | 100% |
| 2 | LT II | 32.36 | 29.24 | 28.18 | 29.59 | 31.37 | 33.25 | 100% |
| 3 | LT IV | 0.22 | 0.20 | 3.35 | 3.52 | 3.73 | 3.95 | 100% |
| 4 | LT VI A | 25.17 | 29.29 | 29.24 | 30.70 | 32.54 | 34.49 | 100% |
| 5 | LT VI B | 23.36 | 24.95 | 26.06 | 27.37 | 29.01 | 30.75 | 100% |
| 6 | LT VI B (G) | 6.48 | 7.53 | 6.82 | 7.16 | 7.59 | 8.05 | 100% |
| 7 | LT VI C | 32.56 | 30.10 | 23.69 | 24.87 | 26.37 | 27.95 | 100% |
| 8 | LT VI C (G) | 4.79 | 5.93 | 6.61 | 6.94 | 7.36 | 7.80 | 100% |
| 9 | LT VI F | - | 3.51 | 1.83 | 1.92 | 2.04 | 2.16 | 100% |
| 10 | LT VII A SINGLE PHASE | 31.50 | 22.34 | 26.96 | 28.31 | 30.01 | 31.81 | 100% |
| 11 | LT VII A THREE PHASE | 477.05 | 445.73 | 411.28 | 431.84 | 457.75 | 485.22 | 100% |
| 12 | LT VII C | 2.26 | 2.40 | 2.81 | 2.95 | 3.13 | 3.32 | 100% |
| 13 | Income from Self consumption & Street lights | 191.58 | 159.18 | 208.49 | 289.16 | 328.26 | 349.84 | 100% |
| | | 858.54 | 790.36 | 806.98 | 917.58 | 994.39 | 1,055.93 | |
| | Total | 3,011.49 | 3,004.09 | 2,863.54 | 3,076.97 | 3,283.34 | 3,482.22 | |

Form D 8

Deviation Analysis

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year (2016-17 Actual)

(Rs.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 | 2317.47 | 2380.99 | -63.52 | | | |
| 2 | Transmission Charges | | | | | | |
| 3 | NLDC/RLDC/SLDC Charges | | | | | | |
| 4 | Operation & Maintenance Expenses | | | | | | |
| 4.1 | Employee Expenses | 331.55 | 867.30 | -535.75 | As per regulation, commission has approved only Rs. 331.55 Lakhs. However considering the fact that CoPT is carrying out electricity distribution business in additoin to port related activites which is its major business, CoPT required 104 employees for efficiently carrying out electricity distribution business and total costs amounts to Rs. 781.35 Lakhs. Terminal benefits @ 11% has been added and hence total employee costs comes to Rs. 867.30Lakhs | | |
| 4.2 | Administration & General Expenses | 37.15 | 88.12 | -50.97 | The commission was of the view that security arragements booked is substantial considering distribution operations of the licensee. However 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. 36.10 lakhs. | | |
| 4.3 | Repair & Maintenance Expenses | 9.97 | 22.58 | -12.61 | | | |
| 5 | Interest and finance charges on long term loans | 0 | 447.83 | -447.83 | The Cabinet Committee on 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. Accordingly CoPT has made a provision for interest payable. | | |
| 7 | Interest on Working Capital | 0 | 172.05 | -172.05 | | | |
| 6 | Depreciation | 197.01 | 205.18 | -8.17 | | | |

Form D 8

Deviation Analysis

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year (2016-17 Actual)

(Rs.lakhs)

| S. No. | Particulars | Approved | Actual | Deviation | Reason for Deviation | Controllable | Uncontrollable |
|----------|---|----------------|---------------|-----------------|----------------------|--------------|----------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 8 | Interest on consumer security deposits and deposits from Users of the distribution system | 0 | 33.35 | -33.35 | | | |
| 9 | Any other item (to be specified) | | | | | | |
| 10 | Contribution to contingecny reserves | | | | | | |
| 11 | Provisioning for Bad debts, if any | | | | | | |
| | | | | | | | |
| A | Total Expenditure | 2893.15 | 4217.4 | -1324.25 | | | |
| | | | | | | | |
| B | Return on Equity | 74.38 | 86.64 | -12.26 | | | |
| C | Tax on ROE | | | | | | |
| D | Revenue | | | | | | |
| 1 | Revenue from sale of electricity | 2912.98 | 3012.3 | -99.32 | | | |
| 2 | Other Income | 35.05 | 40.27 | -5.22 | | | |

Form D 8

Deviation Analysis

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year (2017-18)

(Rs.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 | 2384.02 | 2353.63 | 30.39 | | | |
| 2 | Transmission Charges | | | | | | |
| 3 | NLDC/RLDC/SLDC Charges | | | | | | |
| 4 | Operation & Maintenance Expenses | | | | | | |
| 4.1 | Employee Expenses | 350.95 | 904.32 | -553.37 | As per regulation, commission has approved only Rs. 350.95 Lakhs. 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 92 employees for efficiently carrying out electricity distribution business and total costs amounts to Rs.814.71 Lakhs. Terminal benefits @ 11% has been added and hence total employee costs comes to Rs. 904.32Lakhs | | |
| 4.2 | Administration & General Expenses | 39.33 | 83.36 | -44.03 | The commission was of the view that security arrangements booked is substantial considering distribution operations of the licensee. However 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. 43.66 lakhs. | | |
| 4.3 | Repair & Maintenance Expenses | 10.55 | 11.37 | -0.82 | | | |
| 5 | Interest and finance charges on long term loans | 0.00 | 1.45 | -1.45 | The Hon'ble Commission vide earlier truing up orders had informed that Interest & finance charges on loans will be considered upon actual repayment. Accordingly Port will commence repayment from 2018-19, hence the commission may kindly consider and allow the actual interest repaid. | | |

Form D 8

Deviation Analysis

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Year (2017-18)

(Rs.lakhs)

| S. No. | Particulars | Approved | Actual | Deviation | Reason for Deviation | Controllable | Uncontrollable |
|----------|---|----------|---------|-----------|--|--------------|----------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 7 | Interest on Working Capital | 0.00 | 198.85 | -198.85 | Electricity distribution business is facing a deficit from the operations for carrying out day to day affairs which are met out of the funds provided by CoPT. Interest on the working capital loan amounted to rs. 205.36 Lakhs | | |
| 6 | Depreciation | 197.01 | 206.16 | -9.15 | | | |
| 8 | Interest on consumer security deposits and deposits from Users of the distribution system | 0.00 | 31.31 | -31.31 | 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 | 68.47 | 80.61 | -12.14 | | | |
| C | Tax on ROE | | | | | | |
| D | Revenue | | | | | | |
| 1 | Revenue from sale of electricity | 3001.63 | 3009.57 | -7.94 | | | |
| 2 | Other Income | 35.05 | 39.58 | -4.53 | | | |

D P&L

Form D P&L

Profit & Loss Account

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

Rs.in Lakhs

| S. No. | Particulars | Ref | 2017-18 | 2016-17 | Remarks |
|--------|---|------------|----------------|-----------------|---------|
| | | | Actual | Actual | |
| 1 | 2 | 3 | 5 | 4 | 6 |
| | I.INCOME | | | | |
| | a. Revenue from Sale of Power | D2.1 | 3009.57 | 3012.30 | |
| | b. Revenue Subsidies and Grants | | 0.00 | 0.00 | |
| | c. Other Income | D2.4 | 39.58 | 40.27 | |
| | Total (a+b+c) | | 3049.15 | 3052.57 | |
| | II. EXPENDITURE | | | | |
| | a. Repairs and Maintenance. | D3.4(c) | 11.37 | 22.58 | |
| | b. Employee Cost | D3.4 (a) | 904.32 | 867.30 | |
| | c. Administration and General Expenses | D3.4 (b) | 83.36 | 88.12 | |
| | d.Depreciation | D3.5 | 206.16 | 205.18 | |
| | e.Interest and Finance charges | D3.6 & 3.7 | 200.30 | 619.88 | |
| | f.Other expenses(Interest on SD held by CoPT) | D 4.3 | 31.31 | 33.35 | |
| | f. Subtotal (a+b+c+d+e) | | 1436.82 | 1836.41 | |
| | g. Less Capitalised Expenses: | | | | |
| | - Interest & Finance Charges | | | | |
| | - Other Expenses | | | | |
| | h. Other Debits (ROI @3% of NFA) | D3.8 | 80.61 | 86.64 | |
| | I. Extra Ordinary Items | | | | |
| | j. Purchase of power | D 3.1 | 2353.63 | 2380.99 | |
| | k.Generation of Power | | | | |
| | Total Expenditure (f-g+h+i+j+k) | | 3871.05 | 4304.04 | |
| | III. Profit /(Loss) before Tax (I-II) | | -821.90 | -1251.47 | |
| | IV. Provision for Income Tax | | 0.00 | 0.00 | |
| | V.Net Prior period credits (Charges) | | 0.00 | 0.00 | |
| | VI. Surplus (Deficit) | | -821.90 | -1251.47 | |
| | VII. Net Assets at the beginning of the year (Less consumer's Contribution) | D 3.5 | 2686.88 | 2887.96 | |
| | VIII. Rate of Return (VI / VII) | | -30.59 | -43.33 | |

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 | Ref | 2017-18 | 2016-17 | Remarks |
|----------|--|-----|----------------|----------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| A | EQUITY AND LIABILITIES | | | | |
| 1 | Shareholders funds | | | | |
| | (a) Share Capital | | | | |
| | (b) Reserve and Surplus (Reserves+surplus/deficit) | | -5889.52 | -5148.22 | |
| 2 | Contribution, Grants and other long term Reserve funds | | | | |
| 3 | Non Current liabilities | | | | |
| | (a) Long Term borrowings (Capital liabilities) | | 4278.04 | 4265.03 | |
| | (b) Other long term liabilities (SD from consumers) | | 552.58 | 471.71 | |
| | (c) Long term provisions (Reserve funds+provision for int. On bonds /payrevision) | | | | |
| 4 | Current liabilities | | | | |
| | (a) Short Term borrowings (Borrowing for working capital) | | 1893.79 | 1638.58 | |
| | (b) Trade Payables (payment due to CGS/Others) | | | | |
| | (c) Other short term liabilities (other current liabilities except payment to CGS) | | 2526.22 | 2325.92 | |
| | (d) Short Term provisions | | | | |
| | TOTAL EQUITY & LIABILITIES | | 3361.12 | 3553.02 | |
| B | ASSETS | | | | |
| 1 | Non Current Assets | | | | |
| | (a) Fixed Assets | | | | |
| | (i) Tangible Assets | | 2493.72 | 2686.87 | |
| | (ii) Intangible Assets | | | | |
| | (iii) Capital work in progress | | | | |
| | (b) Non-Current investment (SD of CoPT's consumers invested in bank) | | 552.58 | 471.71 | |
| | (c) Long term loans and Advances | | | | |
| | (d) Other non-current assets | | | | |
| 2 | Current Assets | | | | |
| | (a) Current investments | | | | |
| | (b) Inventories (Stocks) | | | | |
| | (c) Trade receivables | | 109.23 | 205.94 | |
| | (d) Cash and Cash equivalents | | | | |
| | (e) Short term loans and advances (SD With KSEB) | | 205.88 | 188.79 | |
| | (f) Other current assets | | | | |
| | TOTAL ASSETS | | 3361.12 | 3553.02 | |

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| Form D CF |
| Cash Flow for the year |

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

(Rs.in Lakhs)

| S.No. | Particulars | Ref | 2017-18 | 2016-17 | Remarks |
|----------|--|-----|---------|----------|---------|
| 1 | 2 | 3 | 5 | 4 | 6 |
| I | Net Funds from Operations | | | | |
| 1a | Net Funds from Earnings : | | -821.90 | -1251.47 | |
| | a) Profit before tax and before revenue subsidies and grants | | | | |
| | Less : Income Tax Payment during the year | | | | |
| | Total of (a) | | | | |
| | b. Add: Debits to revenue account not requiring cash Flow: | | | | |
| | I) Depreciation | | 206.16 | 205.18 | |
| | ii) Amortisation of Deferred costs | | | | |
| | iii) Amortisation of Intangible Assets | | | | |
| | iv) Investment Allowance Reserve | | | | |
| | v) Others, if any | | 80.61 | 86.64 | |
| | Total of (b) | | | | |
| | c. Less : Credits to revenue Account not involving cash receipts | | | | |
| | I) Deprecation | | | | |
| | ii) Subsidies receivables | | | | |
| | iii) Revenue gap | | | | |
| | Total of (c) | | | | |
| | Net Funds from Earnings (a)+(b)-(c) | | -535.14 | -959.65 | |
| 2 | Contributions, Grants & Subsidies to cost of Capital Assets | | | | |
| 3 | Security Deposit from consumers | | 80.87 | 41.97 | |
| 4 | Proceeds from disposal of fixed Assets | | | | |
| 5 | Total Funds from Operations (1+2+3+4) | | -454.27 | -917.68 | |
| 6 | Net Increase/(Decrease) in working Capital | | | | |
| | (a) Increase/(Decrease) in Current Assets | | | | |
| | I) Inventories | | | | |
| | ii) Receivables against sale of power | | 96.71 | 157.52 | |
| | iii) Loans and Advances | | -17.09 | -7.88 | |
| | iv) Sundry receivables | | | | |
| | v)Subsidy receivables | | | | |
| | Total of (a) | | 79.62 | 149.64 | |
| | (b) Increase/(Decrease) in Current liabilities | | | | |
| | I)Borrowings for working Capital | | | | |
| | ii) Other current liabilities | | 200.30 | 619.59 | |
| | iii) Others (Increase in Reserve + payment due on cap.liab) | | | | |
| | Total of (b) | | 200.30 | 619.59 | |
| | Net Increase/(Decrease) in working Capital (a)- (b) | | 279.93 | 769.23 | |
| 7 | Net Funds from operations before subsidies and Grants (5-6) | | -174.34 | -148.16 | |
| 8 | Receipts from revenue subsidies and Grants | | | | |
| | Total Net Funds from operations including subsidies & Grants (7+8) | | | | |

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|-------------------------------|
| Form D CF |
| Cash Flow for the year |

Name of Distribution Business/Licensee
Licensed Area of Supply

Cochin Port Trust
Willingdon Island & Vallarpadam

(Rs.in Lakhs)

| S.No. | Particulars | Ref | 2017-18 | 2016-17 | Remarks |
|-------------|---|-----|---------|---------|---------|
| 1 | 2 | 3 | 5 | 4 | 6 |
| II. | Net increase/ decrease in Capital liabilities | | | | |
| | a). Fresh borrowings | | | | |
| | I) Central Loans | | 13.00 | 4.10 | |
| | ii) Foreign currency Loans / Credits | | | | |
| | iii) Other borrowings - Working capital | | 255.21 | 190.12 | |
| | Total of (a) | | 268.21 | 194.22 | |
| | b) Repayments : | | | | |
| | I) State Loans | | | | |
| | ii) Foreign currency Loans / Credits | | | | |
| | iii) Other borrowings | | | | |
| | Total of (b) | | 0.00 | 0.00 | |
| | Net Increase/(Decrease) in Capital liabilities (a) - (b) | | 268.21 | 194.22 | |
| III. | Increase/(Decrease) in equity Capital | | 0.00 | 0.00 | |
| IV. | Total Funds available for Capital Expenditure (I+II+III) | | 93.87 | 46.06 | |
| V | Funds utilised on Capital Expenditure | | | | |
| | a)On projects | | 13.00 | 4.10 | |
| | b)Advance to Suppliers & Contractors | | | | |
| | c) Intangible Assets | | | | |
| | d) Deferred Cost | | | | |
| | Total of V (a+b+c+d) | | 13.00 | 4.10 | |
| 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 | | 80.87 | 41.97 | |
| X | Net Increase /(Decrease) in cash / bank balance (IV - V- VI-IX) | | 0.00 | -0.01 | |
| XI | Add opening cash & Bank balance | | | | |
| XII | Closing Cash & Bank balance (VII+VIII) | | | | |