

**ARR and Tariff Formats
Transmission Business
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Form T 1 : Summary of Aggregate Revenue Requirement of SBU-T and SLDC
KERALA STATE ELECTRICITY BOARD LIMITED

Rs. Crore

S. No.	Particulars	Reference Form No.	Previous Year				Previous Year				Current year			Control Period		
			2016-17				2017-18				2018-19			2019-20	2020-21	2021-22
			Approved	Audited	Normative	TU Reqt	Approved	Audited	Normative	TU Reqt	Apr-Sep (Actual)	Estimated	Approved	Projected	Projected	Projected
1	2	3	4	5	6	7	4	5	6	7	8	9	10	11	12	13
1	Operation & Maintenance Expenses	ation and Maintenance E	320.48			372.49						363.23		397.46	452.88	491.28
2	Interest and finance charges on long-term loans	ation of Interest on Norm	70.54			56.28						151.37		257.99	435.91	555.01
	Interest on GPF		62.65			56.28						21.7		23.12	24.55	25.97
3	Interest on Bonds to meet Terminal Liabilities	Form T4 (c)										129.76		125.15	120.54	115.93
4	Depreciation	d Assets & Depreciation	147.41			183.2						172.32		199.58	257.03	344.7
5	Interest on Working Capital and deposits	#REF!	7.89									17.6		20.2	25.18	30.6
6	Contribution to contingency reserves															
7	Other items		69.94			69.94						3.96				
8	Adjustment for controllable/uncontrollable factors															
9	Other items	#REF!														
10	Total Revenue Expenditure											859.94		1023.5	1316.09	1563.49
11	Return on Equity	n Equity/Return on Net	147.41			183.2						119.99		119.99	119.99	119.99
12	Tax on RoE	#REF!														
13	Aggregate Revenue Requirement (9+10+11)		826.32			1026.57						979.93		1143.49	1436.08	1683.48
14	Less: Other Income	n T 10 : Other Income (R	35.46			35.46						28.85		37.3	41.82	46.35
14	Less: Revenue Open Access															
15	Less: Income from Other Business											0		0	0	0
16	ARR from Transmission Tariff		790.86			991.11						951.08		1106.19	1394.26	1637.13

Form T 2 : Operation and Maintenance Expenses (Rs Cr)											
S. No.	Particular	Previous Year				Current Year			Ensuing Year	Year	Year
		2017-18				2018-19			2019-20	2020-21	2021-22
		Approved	Audited	Normative	Truing Up	Apr-Sep (Actual)	Estimated for the year	Approved	Projected	Projected	Projected
1	2	4	5	6	7	8	9	10	11	12	13
1	Bay Basis										
	a Op. Balance of no. of Bays	2466.00	2488.00			2564.00	2564.00		2682	2914	3007
	b Addition of no. of Bays during year		76.00			28	118		314	175	72
	c Deletion of no. of Bay during year						0		-82	-82	-32
	d Cl. Balance of no. of Bays	2488.00	2564.00			2592.00	2682		2914	3007	3047
	e Average no. of Bays during Year										
	f Applicable O&M cost Norm for Bay :- Rs ____Lakh/Bay						10.71		11.23	11.77	12.34
	A O&M Expense per Bay, Rs L										
2	ckt-km Basis										
	a Op. Balance of ckt-km	9377.03	9434.693			9529.595	9529.589		9823.195	10670.145	11130.965
	b Addition of ckt-km during year		142.583			11.6	690.54		1015.55	548.42	261.02
	c Deletion of ckt-km during year		-47.687			0	-396.934		-168.6	-87.6	-182
	d Cl. Balance of ckt-km	9434.69	9529.589			9541.195	9823.195		10670.145	11130.965	11209.985
	e Average ckt-km during Year										
	f Applicable O&M cost Norm - Rs ____ Lakh / ckt-km						0.93		0.98	1.03	1.08
	B O&M Expense Rs. Lakh										
3	Total O&M Expenses (as per norms) (A+B) (Rs.Cr.)						363.23		397.46	452.88	491.28
	Total O&M expenses as per Regulation (Rs.Cr.)						363.23		397.46	452.88	491.28
4	Total O&M Expenses (actual)	T 2(a), T 2(b), T 2(c)	#REF!				207.75		485.16	529.98	581.67

	Form T 2(a) : Employee expenses (Rs Cr)							
S. No.	Particulars	2017-18			2018-19	2019-20	2020-21	2021-22
		Apr-Sep (Actual)	Estimated for the year	Approved	Projected	Projected	Projected	Projected
1	2	7	8	9	10	11	12	13
1	Basic Salary		204.44		214.30	221.80	226.67	234.60
2	Dearness Allowance (DA)		51.21		64.29	79.85	95.20	112.61
3	House Rent Allowance		5.09				5.09	5.09
4	Conveyance Allowance				5.16	5.16	5.16	5.16
5	Leave Travel Allowance		0.02		0.03	0.03	0.03	0.03
6	Earned Leave Encashment		17.43		17.77	18.34	18.92	19.49
7	Other Allowances		8.81		3.78	3.78	3.78	3.78
8	Medical Reimbursement		1.21		1.26	1.32	1.38	1.43
9	Overtime Payment		0.04		0.04	0.04	0.04	0.04
10	Bonus/Ex-Gratia Payments		1.11		1.15	1.20	1.26	1.32
11	Interim Relief / Wage Revision		0					
12	Staff welfare expenses				0.01	0.01	0.01	0.01
13	VRS Expenses/Retrenchment Compensation							
14	Commission to Directors							
15	Training Expenses							
16	Payment under Workmen's Compensation Act		0.02		0.03	0.03	0.03	0.03
17	Net Employee Costs							
18	Terminal Benefits		0.05		0.00	0.00	0.00	0.00
18.1	Provident Fund Contribution							
18.2	Provision for PF Fund							
18.3	Pension Payments		1.45		0.06	0.06	1.70	1.81
18.4	Gratuity Payment							
18.5	Annual Contribution for Terminal Liabilities		57.67					
19	Others		0.49					
20	Gross Employee Expenses		348.34		309.89	333.76	358.90	385.38
21	Less: Expenses Capitalised		49.79		36.23	39.77	42.86	46.67
22	Net Employee Expenses		298.55		273.66	293.99	316.04	338.71

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Form T 2(b) : Administrative & General Expenses								
S. No.	Particulars	2017-18			2018-19	2019-20	2020-21	2021-22
		Apr-Sep (Actual)	Estimated for the year	Approved	Projected	Projected	Projected	Projected
1	2	7	8	9	10	11	12	13
1	Rent Rates & Taxes		0.59		0.64	0.69	0.75	0.81
2	Insurance		0.02		0.02	0.03	0.03	0.03
3	Telephone & Postage, etc.		1.69		1.84	1.99	2.16	2.35
4	Legal charges		0.52		0.57	0.61	0.67	0.72
5	Audit Fees		0.20		0.21	0.23	0.25	0.27
6	Consultancy charges		0.03		0.04	0.04	0.04	0.05
7	Other Professional charges		0.65		0.71	0.77	0.83	0.90
8	Conveyance		6.85		7.43	8.06	8.74	9.49
9	Vehicle Running Expenses Truck / Delivery Van		0.17		0.19	0.20	0.22	0.24
10	Vehicle Hiring Expenses Truck / Delivery Van		0.18		0.20	0.22	0.24	0.26
11	Electricity charges		0.04		0.05	0.05	0.06	0.06
12	Water charges		0.10		0.11	0.11	0.12	0.14
13	Entertainment		0.16		0.18	0.19	0.21	0.23
14	Fees & subscription		0.29		0.32	0.34	0.37	0.41
15	Printing & Stationery		1.00		1.08	1.18	1.27	1.38
16	Advertisements, exhibition publicity		0.59		0.64	0.69	0.75	0.81
17	Contribution/Donations		0.38		0.41	0.45	0.49	0.53
18	Training expenses		-0.15		-0.15	-0.15	-0.15	-0.15
19	Miscellaneous Expenses		0.00		0.00	0.00	0.00	0.00
20	DSM activities		0.00		0.00	0.00	0.00	0.00
21	SRPC expenses		0.13		0.14	0.15	0.17	0.18
22	Sports and related activities		0.14		0.15	0.17	0.18	0.20
23	Freight		2.84		3.08	3.35	3.63	3.94
24	Purchase Related Advertisement Expenses		0.54		0.59	0.64	0.69	0.75
25	Bank Charges		0.00		0.00	0.00	0.00	0.00
26	Office Expenses		58.32		101.25	116.06	133.63	157.05
27	License Fee and other related fee		2.43					
28	Cost of services procured		0.00		0.00	0.00	0.00	0.00
29	Outsourcing of metering and billing system		0.00		0.00	0.00	0.00	0.00
30	V-sat, Internet and related charges		0.07					
31	Security arrangements		0.00		0.00	0.00	0.00	0.00
32	Books & periodicals		0.01			0.01		
33	Computer Stationery		0.00		0.00	0.00	0.00	0.00
34	Others		0.13		0.14	0.15	0.17	0.18
35	Gross A&G Expenses		77.93		119.66	136.72	156.77	182.93
37	Less: Expenses Capitalised		6.15					
38	Net A&G Expenses		#REF!		119.66	136.72	156.77	182.93

Form T 2(c) : Repair & Maintenance Expenses (Rs Cr)								
S. No.	Particulars	2017-18			2018-19	2019-20	2020-21	2021-22
		Apr-Sep (Actual)	Estimated for the year	Approved	Projected	Projected	Projected	Projected
1	2	7	8	9	10	11	12	13
1	Plant & Machinery		33.09		33.50	35.18	36.94	38.78
2	Buildings		2.17		2.20	2.31	2.42	2.54
3	Civil Works		6.39		6.47	6.79	7.13	7.49
4	Hydraulic Works		0.05		0.05	0.06	0.06	0.06
5	Lines & Cable Networks		8.13		8.23	8.64	9.07	9.52
6	Vehicles		0.74		0.75	0.78	0.82	0.86
7	Furniture & Fixtures		0.13		0.13	0.14	0.15	0.15
8	Office Equipment		0.52		0.53	0.55	0.58	0.61
9	Gross R&M Expenses		51.22		51.86	54.45	57.17	60.03
10	Less: Expenses Capitalised							
11	Net R&M Expenses		51.22		51.86	54.45	57.17	60.03

Form T 3 : Fixed Assets & Depreciation 2018-19 (RS Cr)												
S.No.	Assets Group (as per notification in respect of depreciation)	Rate of depreciation	Gross fixed assets				Provisions 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 2018-19	Additions during the year	Adjustment & deductions	At the end of the year	Cumulative upto the beginning of year	Additions during the year	Adjustment during the year	Cumulative at the end of year		
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Land & land rights		324.07	46.2		370.26	0	0		0	324.07	370.26
2	Other Civil works		471.16	70.78		541.94	110.72	11.02		121.74	360.45	420.2
3	EHV											
a)	Transmission lines		1100.88	177.34		1278.23	625.71	58.1		683.81	475.17	594.41
b)	Sub-station equipments		894.39	140.01		1034.4	383.65	36.66		420.31	510.74	614.09
i)	Transformers		813.33	131.41		944.74	474.34	43.91		518.26	338.98	426.48
ii)	Switchgeares, Control gear & Proteciton		57.28	9.26		66.55	33.62	3.11		36.73	23.66	29.81
iii)	Batteries		31.08	5.18		36.26	22.89	2.06		24.95	8.19	11.31
iv)	Others		210.96	36.68		247.64	202.5	17.42		219.92	8.46	27.71
4	HV & LT											
a)	Transmission lines		807.84	127.21		935.05	369.51	35.1		404.61	438.33	530.44
b)	Sub-station equipments		132.76	22.33		155.1	104.44	9.29		113.73	28.32	41.37
i)	Transformers											
ii)	Switchgeares, Control gear & Proteciton											
iii)	Batteries											
iv)	Others											
5	Communication equipment		62.38	10.53		72.91	50.11	4.44		54.55	12.28	18.36
6	Meters		12.72	2.24		14.96	12.95	1.1		14.05	-0.22	0.91
7	Vehicles		7.04	1.19		8.24	5.83	0.51		6.34	1.21	1.89
8	Furniture & fixtures		5.56	0.94		6.5	4.46	0.4		4.86	1.1	1.64
9	Office Equipments		4.15	0.74		4.88	4.55	0.38		4.93	-0.41	-0.05
10	Assets of Partnership projects etc.											
11	Capital spares of											
a)	EHV transmission											
b)	HV & LT transmisison											
12	Assets taken over & pending final valuation											
13	IT equipments											
14	Any other items											
15	Gross Asset (Total (1) to (14))**		5314.75	840.84	0	6155.59	2551.17	237.54	0	2788.71	2763.58	3366.88
16	Less: Consumer contribution											
17	Less: Government grants											
18	Less: Deposit Works											
19	Less: Capital Subsidies											
20	Net Asset considered for depriciation (15-16-17-18-19)											

** INCLUDING SLDC

	Form T 3 : Fixed Assets & Depreciation 2018-19 (RS Cr)	
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	Form T 4(a) : Calculation of Weighted Average Rate of Interest on Actual Loans (Rs Cr)				
1	Note: In this format, details with regard to source wise funding is required to be filled in detail. It is submitted that KSEBL is not in a position to furnish the same as funding arrangements were not made for the works to be executed during control period. Therefore, the details such as additional borrowings, contributions and grants, probable repayment of loan etc for the control period are furnished in the table below				
i.		2018-19	2019-20	2020-21	2021-22
ii.	Opening balance	1406.58	2851.16	5319.72	5483.26
iii.	Capital works	1758.4	2777.53	996.43	531.95
iv.	Less Con&Grants	196.6	71.37	389.58	100
v.	Borrowings	1561.8	2706.16	606.85	431.95
vi	Repayments*	117.22	237.6	443.31	456.94
vii	Closing balance	2851.16	5319.72	5483.26	5458.27
viii	Average loan	2128.87	4085.44	5401.49	5470.765
ix	Interest rate	9.5	10	10	10
x	Interest for the year	202.24	408.54	540.15	547.08
	Less: Capitalized	21.98	44.41	58.71	59.47
	Net interest for the year	180.26	364.13	481.44	487.61
	*Assuemed 12 years.				

Form T4(b) : Calculation of Interest on Normative Loan (Rs Cr)								
S.No .	Particulars (specify items)	2017-18			2018-19	2019-20	2020-21	2021-22
		Apr-Sep (Actual)	Estimated for the year	Approved by the Commission	Projected	Projected	Projected	Projected
1	2	7	8	9	10	11	12	13
1	Gross Normative loan - Opening							
2	Cumulative repayment of Normative Loan upto previous year							
3	Net Normative loan - Opening				1357.41	1834.24	3346.63	5411.19
4	Increase/Decrease due to ACE/de-capitalization during the Year				840.84	1772.05	2703.95	769.32
	Less: Consumer contribution and Grant				196.6	71.37	389.58	100
5	Repayments of Normative Loan during the year				172.32	199.58	257.03	344.7
6	Normative loan during the year				471.92	1501.1	2057.34	324.62
7	Net Normative loan - Closing				1829.34	3330.44	5387.78	5712.4
8	Average Normative Loan				1593.37	2579.89	4359.11	5550.09
9	Weighted average Rate of Interest of actual Loans				9.50%	10%	10%	10%
10	Interest on Normative loan				151.37	257.99	435.91	555.01

Form T4(c) :Interest on Bonds to meet Terminal Liabilities (Rs Cr)								
S.No .	Particulars (specify items)	2017-18			2018-19	2019-20	2020-21	2021-22
		Apr-Sep (Actual)	Estimated for the year	Approved by the Commission	Projected	Projected	Projected	Projected
1	2	6	7	8	9	10	11	12
A	Existing bond							
1	Value of Bond							
2	Rate of Interest on Bond							
3	Interest on Bond				87.56	82.95	78.34	73.73
B	Addl contribution to Master Trust							
4	Value of Bond							
5	Rate of Interest on Bond							
6	Interest on Bond				42.2	42.2	42.2	42.2
C	Bond Series 3							
	Total				129.76	125.15	120.54	115.93

Form T5: Interest on working capital requirement (Rs Cr)									
Sl. No.	Particulars		2017-18			2018-19	2019-20	2020-21	2021-22
		Truing Up requirement	Apr-Sep (Actual)	Estimated for the year	Approved by the Commission	Projected	Projected	Projected	Projected
1	2	6	7	8	9	10	11	12	13
1	O&M expenses (as per norms)					28.82	31.52	35.97	38.98
2	Maintenance Spares (as per norms)					53.07	61.22	78.35	105.27
3	Receivables calculated on target availability (as per norms)					79.26	92.18	116.19	136.43
	Less								
4	Amount, if any, held as security deposits except security deposits held in the form of Bank Guarantees from Users of the transmission system								
5	Total Working Capital					161.15	184.92	230.5	280.67
6	Interest Rate (as per norms)					10.70%	10.70%	10.70%	10.70%
7	Interest on Working Capital					17.24	19.79	24.66	30.03

Form T6: Other items (Other debits or any other items) (Rs Cr)								
S. No.	Particulars (specify items)	2017-18			2018-19	2019-20	2020-21	2021-22
		Apr-Sep (Actual)	Estimated for the year	Approved by the Commission	Projected	Projected	Projected	Projected
1	2	6	7	8	9	10	11	12
A 1	Contribution to CMDRF							
2					3.96			
3								
	Total							
	Less							
B	Chargeable to Capital Expenses							
	Net chargeable to revenue(A-B)							

Form T 7 : Return on Equity/Return on Net Fixed Assets (Rs Cr)									
S.No.	Particulars	Ref.	2017-18			2018-19	2019-20	2020-21	2021-22
			Apr-Sep (Actual)	Estimated for the year	Approved by the Commission	Projected	Projected	Projected	Projected
1	2	3	8	9	10	11	12	13	14
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	14%*(1)				119.99	119.99	119.99	119.99
6	Return on Equity portion of capitalisation	14 %*(3)/2							
7	Total Return on Equity	(5)+(6)				119.99	119.99	119.99	119.99

Form T 9 : Revenue at Existing Transmission Tariff(Rs Cr)									
S. No	Category	Forecast of Energy Transmitted (MU)	Transmission Tariff	Wheeling tariff	Operating charges (Rs/day)	Revenue from Transmission charges (Rs. Cr.)			
			2018-19						
1	Long Term Open Access								
A	Distribution Licensees								
	SBU-D								
						Transmission charges	Wheeling charges	Operating charges	
2	Short Term Open Access								
1	*Phillips_Carbon_Black_Limited_Kochi_Kerala	-40.01	0.37	0	1000	1.48	0.00	0.03	1.51
2	Alagappa_Textiles_(Cochin)_Mills_(A_Unit_of_NTC)_Alagappa_Nagar_Thrissur_680302	2.14	0.37	0.31	1000	0.08	0.07	0.03	0.18
3	Amrita_Institute_Of_Medical_Science_And_Research_Centre_Edappally_682041_Kochi	9.07	0.37	0.31	1000	0.34	0.28	0.03	0.65
4	Apollo_Tyres_Ltd_Perambra_Chalakkudy_Kerala	14.15	0.37	0	1000	0.52	0.00	0.03	0.55
5	BPCL_Kochi_Refinery_(Consumer_No_2/201)_Ambalamugal_PO_Ernakulam_Kerala_682302	12.71	0.37	0	1000	0.47	0.00	0.02	0.49
6	Cannanore_Spinning_&_Weaving_Mills_Kakkad_Kannur_Kerala_670005	6.85	0.37	0.31	1000	0.25	0.21	0.03	0.50
7	Carborundum_Universal_Ltd_P_B_3_Koratty_680308_Trissur_Kerala	16.79	0.37	0	1000	0.62	0.00	0.03	0.65
8	Carborundum_Universal_Ltd_P_B_I_Kalamassery_Development_Plot_P_O_Kochi_683109	38.91	0.37	0	1000	1.44	0.00	0.01	1.45
9	Classic_Auto_Tubes_Ltd_Rubber_Park_Valayanchirangara_P_O_Perumbavoor	1.07	0.37	0.31	1000	0.04	0.03	0.00	0.07
10	Cochin_Shipyard_Ltd_Administrative_Building_P_O_Bag_No_1653_Perumanoor	0.46	0.37	0	1000	0.02	0.00	0.03	0.05
11	EICL_Limited_TC_79/4_Veli_Thiruvananthapuram_695021_Consumer_No_1345230002576	2.22	0.37	0.31	1000	0.08	0.07	0.03	0.18
12	EICL_Limited_TC_79/4_Veli_Thiruvanthapuram_695021_Consumer_No_1345130002595	1.64	0.37	0.31	1000	0.06	0.05	0.02	0.13
13	FCI_OEN_Connectors_Ltd_Mulanthuruthy_Kerala	0.56	0.37	0.31	1000	0.02	0.02	0.03	0.07
14	GTN_Textiles_Ltd_Aluva_Kerala	7.93	0.37	0	1000	0.29	0.00	0.03	0.32
15	Hindalco_Industries_Limited_P_B_No_21_Kalamassery_683104_Ernakulam	1.90	0.37	0	1000	0.07	0.00	0.00	0.07
16	Indsil_Electrosmelts_Ltd_Pallathery_(PO)_Palakkad_Kerala_678007	0.02	0.37	0	1000	0.00	0.00	0.02	0.02
17	Kairali_Steels_&_Alloys_Pvt_Ltd_134_A_Kanjikode_Palakkad_678621	1.38	0.37	0.31	1000	0.05	0.04	0.03	0.13
18	Kerala_Lakshmi_Mills_Pullazhi_Thrissur_680012	2.45	0.37	0.31	1000	0.09	0.08	0.01	0.17
19	Minar_Castings_Pvt_Ltd_NIDA_Kanjikode_Palakkad_Kerala_678621	0.84	0.37	0.31	1000	0.03	0.03	0.03	0.09
20	MRFLimited_PB_No_2_Vadavathoor_P_O_Kottayam_686010_Kerala	14.75	0.37	0	1000	0.55	0.00	0.03	0.58
21	Patspin_India_Limited_Kanjikode_East_P_O_Palakkad_Kerala_678621	7.63	0.37	0	1000	0.28	0.00	0.04	0.32
22	Precot_Meridian_Ltd_A_Unit_Kanjikode_Palakkad_Kerala_678623	11.03	0.37	0	1000	0.41	0.00	0.03	0.44
23	Precot_Meridian_Ltd_C&D_Unit_Walayar_Palakkad_Kerala	5.73	0.37	0	1000	0.21	0.00	0.03	0.25
24	Premier_Tyres_Ltd_(Consumer_No_4/438)_Kalamassery_Ernakulam_Kerala	5.52	0.37	0	1000	0.20	0.00	0.03	0.23
25	Saint_Gobain_India_Pvt_Ltd_P_B_No_1_Kanjikode_West_Kerala_678623	18.66	0.37	0	1000	0.69	0.00	0.03	0.72
26	Tata_Consultancy_Services_Ltd_TCS_Centre_Infopark_SEZ_Infopark_Kochi_682042	0.15	0.37	0.31	1000	0.01	0.00	0.01	0.02
27	The_Kerala_Minerals_and_Metals_Ltd_Chavara_Kerala	22.15	0.37	0	1000	0.82	0.00	0.03	0.85
28	The_Travancore_Cochin_Chemicals_Ltd_(Consumer_No_HTB_1/102)_PB_No_4_Udyogamandal	47.49	0.37	0	1000	1.76	0.00	0.03	1.79
29	Thieh_Ingots_Pvt_Ltd_410_417_10_Pudussery_New_Industrial_Development_Area	1.27	0.37	0.31	1000	0.05	0.04	0.02	0.11
30	Vijaya_Mohini_Mills_Thirumala_PO_Thiruvananthapuram_695006	1.08	0.37	0.31	1000	0.04	0.03	0.03	0.10
	sub-total	296.55	0.37	0	1000	10.97	0.95	0.78	12.71
	Total								

[illegible]

Revenue at proposed Transmission Tariff (Rs Cr)						
Category	Forecast of Energy Transmitted (MLD)	Transmission Tariff	Operating charges (Rs/day)	Revenue from Transmission charges (Rs. Cr.)		
	2018-19					
Long Term Open Access						
Distribution Licensees						
SBU-D	24884.7			951.08		
Short Term Open Access						
*Philips_Carbon_Black_Limited_Kochi_Kerala	-40.01	0.4	1000	1.60	0.03	1.63
Alagappa_Textiles_(Cochin)_Mills_(A_Unit_of_NTC)_Alagappa_Nagar_Thrissur_680302	2.14	0.4	1000	0.09	0.03	0.12
Amrita_Institute_Of_Medical_Science_And_Research_Centre_Edappally_682041_Kochi	9.07	0.4	1000	0.36	0.03	0.40
Apollo_Tyres_Ltd_Perambra_Chalakkudy_Kerala	14.15	0.4	1000	0.57	0.03	0.59
BPCL_Kochi_Refinery_(Consumer_No_2/201)_Ambalamugal_PO_Ernakulam_Kerala_682302	12.71	0.4	1000	0.51	0.02	0.53
Cannanore_Spinning_&_Weaving_Mills_Kakkad_Kannur_Kerala_670005	6.85	0.4	1000	0.27	0.03	0.31
Carborundum_Universal_Ltd_P_B_3_Koratty_680308_Trissur_Kerala	16.79	0.4	1000	0.67	0.03	0.71
Carborundum_Universal_Ltd_P_B_1_Kalamassery_Development_Plot_P_O_Kochi_683109	38.91	0.4	1000	1.56	0.01	1.57
Classic_Auto_Tubes_Ltd_Rubber_Park_Valayanchirangara_P_O_Perumbavoor	1.07	0.4	1000	0.04	0.00	0.04
Cochin_Shipyard_Ltd_Administrative_Building_P_O_Bag_No_16_53_Perumanoor	0.46	0.4	1000	0.02	0.03	0.05
EiCL_Limited_TC_79/4_Veli_Thiruvananthapuram_695021_Consumer_No_1345230002576	2.22	0.4	1000	0.09	0.03	0.12
EiCL_Limited_TC_79/4_Veli_Thiruvananthapuram_695021_Consumer_No_1345130002595	1.64	0.4	1000	0.07	0.02	0.08
FCI_OEN_Connectors_Ltd_Mulanthuruthy_Kerala	0.56	0.4	1000	0.02	0.03	0.06
GTN_Textiles_Ltd_Aluva_Kerala	7.93	0.4	1000	0.32	0.03	0.35
Hindalco_Industries_Limited_P_B_No_21_Kalamassery_683104_Ernakulam	1.90	0.4	1000	0.08	0.00	0.08
Indsil_Electrosmelts_Ltd_Pallathery_(PO)_Palakkad_Kerala_678007	0.02	0.4	1000	0.00	0.02	0.02
Kairali_Steels_&_Alloys_Pvt_Ltd_134_A_Kanjikode_Palakkad_678621	1.38	0.4	1000	0.06	0.03	0.09
Kerala_Lakshmi_Mills_Pullazhi_Thrissur_680012	2.45	0.4	1000	0.10	0.01	0.11
Minar_Castings_Pvt_Ltd_NIDA_Kanjikode_Palakkad_Kerala_678621	0.84	0.4	1000	0.03	0.03	0.07
MRF_Limited_PB_No_2_Vadavathoor_P_O_Kottayam_686010_Kerala	14.75	0.4	1000	0.59	0.03	0.62
Patspin_India_Limited_Kanjikode_East_P_O_Palakkad_Kerala_678621	7.63	0.4	1000	0.31	0.04	0.34
Precot_Meridian_Ltd_A_Unit_Kanjikode_Palakkad_Kerala_678623	11.03	0.4	1000	0.44	0.03	0.48
Precot_Meridian_Ltd_C&D_Unit_Walayar_Palakkad_Kerala	5.73	0.4	1000	0.23	0.03	0.26
Premier_Tyres_Ltd_(Consumer_No_4/438)_Kalamassery_Ernakulam_Kerala	5.52	0.4	1000	0.22	0.03	0.25
Saint_Gobain_India_Pvt_Ltd_P_B_No_1_Kanjikode_West_Kerala_678623	18.66	0.4	1000	0.75	0.03	0.77
Tata_Consultancy_Services_Ltd_TCS_Centre_Infopark_SEZ_Infopark_Kochi_682042	0.15	0.4	1000	0.01	0.01	0.01
The_Kerala_Minerals_and_Metals_Ltd_Chavara_Kerala	22.15	0.4	1000	0.89	0.03	0.92
The_Travancore_Cochin_Chemicals_Ltd_(Consumer_No_HTB_1/102)_PB_No_4_Udyogamandal	47.49	0.4	1000	1.90	0.03	1.93
Thieng_Ingots_Pvt_Ltd_410_417_10_Pudussery_New_Industrial_Development_Area	1.27	0.4	1000	0.05	0.02	0.07
Vijaya_Mohini_Mills_Thirumala_PO_Thiruvananthapuram_695006	1.08	0.4	1000	0.04	0.03	0.07
sub-total	296.55	0.4	1000	11.86	0.78	12.65
Total						

Form T 14: 'Proposed improvement in performance'						
S.No.	Paritculars					
		2017-18	2018-19	2019-20	2020-21	2021-22
1	2	4	5	6		7
1	EHV Trransmission losses		4.05%	3.95%	3.85%	3.75%
2	System availability					
a)	400 kV System		98%	98%	98%	98%
b)	220 kV System		98%	98%	98%	98%
c)	132 kV System		98%	98%	98%	98%
d)	66 kV System		98%	98%	98%	98%
e)	33 kV System		98%	98%	98%	98%
	Total System Availability		98%	98%	98%	98%

Form T 15 : Transmission Losses						
S.no.	Particulars	Unit	2018-19	2019-20	2020-21	2021-22
			Projected	Projected	Projected	Projected
1	2	3	10	11	12	13
1	Energy input into the system		24846.15	26243.43	27247.53	28295.3
(a)	Energy from the sources Inside the State (T-G interface)	MU				
(b)	Energy from the sources outside the State (State Periphery)	MU				
(c)	Total (a)+(b)	MU				
2	Energy transmitted to Discoms (including their direct EHT consumers being fed from Grid SS)	MU	23839.88	25206.81	26198.5	27234.23
3	Energy transmitted to open access consumers	MU				
4	Energy transmitted for inter-state sale	MU				
5	Intra-State transmission losses $(1(c)-(2+3+4))/1(c)$		4.05%	3.95%	3.85%	3.75%

Form T 16 : Forecast of Electricity Transmitted (MU)						
S. No.	Category	2017-18	2018-19	2019-20	2020-21	2021-22
		Estimated	Projected	Projected	Projected	Projected
1	2	6	7	8	9	10
1	Distribution Licensees					
	SBU-D		24884.7			
3	Consumers					
	*Philips_Carbon_Black_Limited_Kochi_Kerala		-40.01			
	Alagappa_Textiles_(Cochin)_Mills_(A_Unit_of_NTC)_Alagappa_Nagar_Thrissur_680302		2.14			
	Amrita_Institute_Of_Medical_Science_And_Research_Centre_Edappally_682041_Kochi		9.07			
	Apollo_Tyres_Ltd_Perambra_Chalakkudy_Kerala		14.15			
	BPCL_Kochi_Refinery_(Consumer_No_2/201)_Ambalamugal_PO_Ernakulam_Kerala_682302		12.71			
	Cannanore_Spinning_&_Weaving_Mills_Kakkad_Kannur_Kerala_670005		6.85			
	Carborundum_Universal_Ltd_P_B_3_Koratty_680308_Trissur_Kerala		16.79			
	Carborundum_Universal_Ltd_P_B_I_Kalamassery_Development_Plot_P_O_Kochi_683109		38.91			
	Classic_Auto_Tubes_Ltd_Rubber_Park_Valayanchirangara_PO_Perumbavoor		1.07			
	Cochin_Shipyard_Ltd_Administrative_Building_PO_Bag_No_1653_Perumanoor		0.46			
	EICL_Limited_TC_79/4_Veli_Thiruvananthapuram_695021_Consumer_No_1345230002576		2.22			
	EICL_Limited_TC_79/4_Veli_Thiruvanthapuram_695021_Consumer_No_1345130002595		1.64			
	FCI_OEN_Connectors_Ltd_Mulanthuruthy_Kerala		0.56			
	GTN_Textiles_Ltd_Aluva_Kerala		7.93			
	Hindalco_Industries_Limited_P_B_No_21_Kalamassery_683104_Ernakulam		1.90			
	Indsil_Electrosmelts_Ltd_Pallathery_(PO)_Palakkad_Kerala_678007		0.02			

	Form T 16 : Forecast of Electricity Transmitted (MU)					
	Kairali_Steels_&_Alloys_Pvt_Ltd_134_A_Kanjikode_Palakkad_678621		1.38			
	Kerala_Lakshmi_Mills_Pullazhi_Thrissur_680012		2.45			
	Minar_Castings_Pvt_Ltd_NIDA_Kanjikode_Palakkad_Kerala_678621		0.84			
	MRF_Limited_PB_No_2_Vadavathoor_P_O_Kottayam_686010_Kerala		14.75			
	Patspin_India_Limited_Kanjikode_East_P_O_Palakkad_Kerala_678621		7.63			
	Precot_Meridian_Ltd_A_Unit_Kanjikode_Palakkad_Kerala_678623		11.03			
	Precot_Meridian_Ltd_C&D_Unit_Walayar_Palakkad_Kerala		5.73			
	Premier_Tyres_Ltd_(Consumer_No_4/438)_Kalamassery_Ernakulam_Kerala		5.52			
	Saint_Gobain_India_Pvt_Ltd_P_B_No_1_Kanjikode_West_Kerala_678623		18.66			
	Tata_Consultancy_Services_Ltd_TCS_Centre_Infopark_SEZ_Infopark_Kochi_682042		0.15			
	The_Kerala_Minerals_and_Metals_Ltd_Chavara_Kerala		22.15			
	The_Travancore_Cochin_Chemicals_Ltd_(Consumer_No_HTB_1/102)_PB_No_4_Udyogamandal		47.49			
	Thieh_Ingots_Pvt_Ltd_410_417_10_Pudussery_New_Industrial_Development_Area		1.27			
	Vijaya_Mohini_Mills_Thirumala_PO_Thiruvananthapuram_695006		1.08			

Form T P&L :Profit & Loss Account					
S.No.	Particulars	Ref	2017-18	2016-17	Remarks
1	2	3	4	5	6
	I.INCOME				
	a. Revenue from wheeling/transmission charges		1016.47	951.27	
	b. Revenue Subsidies and Grants				
	c. Other Income		28.06	35.46	
	Total (a+b+c)		1044.53	986.73	
	II. EXPENDITURE				
	a. Repairs and Maintenance.		42.27	47.21	
	b. Employee Cost		297.31	423.67	
	c. Administration and General Expenses		82.76	70.66	
	d.Depreciation		244.2	210.97	
	e.Interest and Finance charges		223.28	56.28	
	f. Subtotal (a+b+c+d+e)		889.82	808.79	
	g. Less Capitalised Expenses:				
	- Interest & Finance Charges				
	- Other Expenses			41.98	
	h. Other Debits		5.09	-2.93	
	Change in fair valuation and adjustmetns		-11.29	-3.79	
	Total Expenditure (f-g+h+i)		883.62	760.09	
	III. Profit/(Loss) before Tax (I-II)		160.91	226.64	
	IV. Provision for Income Tax				
	V.Net Prior period credits (Charges)			-74.83	
	VI. Surplus (Deficit)		160.91	151.81	
	VII. Net Assets at the beginning of the year (Less consumer's Contribution)				
	VIII. Rate of Return (VI/ VII)				

Form T BS :Balance Sheet at the end of the year				
Form T BS				
Balance Sheet at the end of the year (Incl of SLDC) (Rs Cr)				
S.No.	Particulars	Ref	Previous Year	Previous Year
			2017-18	2016-17
	Sources of Funds:			
	(A)Capital Funds:			
	Share Capital (Govt. equity)		857.05	750.72
	Reserves & Surplus		79.7	
	Total (A)		936.75	750.72
	(B) Loan from State Government			
	Loan from others :			
	-Secured		921.9	566.25
	-Unsecured		475.89	1183.86
	Total (B)		1397.79	1750.11
	(C) Contribution, grants & subsidies towards cost of capital assets		187.07	94.94
	Provident Fund		218.33	227.41
	Terminal Benefit Fund		572.26	-383.98
	Borrowings for working capital			
	Long term Provision		-746.47	236.38
	Grand total of sources of funds (A+B+C)		2565.72	2675.57
	*Application of Funds:			
	A) Fixed assets			
	a) Gross fixed assets		5177.3	4719.64
	b) Less accumulated depreciation		2811.91	2336.98
	c) Net Fixed assets((a)-(b))		2365.39	2382.66
	d) Capital works in progress		440.71	352.34
	e) Assets not in use			

	f) Deferred costs		0.01	0.01
	g) Intangible assets			
	h) Investments		3.99	4.85
	Other Non current assets		44.49	22.83
	Total (c) +(d)+(e)+(f)+(g)+(h)		2854.59	2762.69
	B)Subsidy receivable from Government			
	Contribution receivable from State Government towards pension liability		401.12	592.22
	C) Net Current Assets			
	(1) Current assets, loans and advances			
	a) Inventories*		41.75	56.82
	b) Receivables against transmission charges			
	c) Cash & bank balances		25.59	8.96
	d) Loans and advances			4.63
	e) Sundry receivables		72.96	33.69
	Total (C)(1)		140.3	104.1
	(2) Current liabilities & provisions			
	a) Security Deposits from Consumers			
	b) Borrowings for working capital		298.76	264
	c) Payments due on Cap. liabilities			
	d) Other current liabilities		531.53	519.44
	Total (C)(2)		830.29	783.44
	Net Current Assets (C) $[(C(1)) - (C(2))]$		-689.99	-679.34
	Grand Total of Application of funds (A)+(B)+(C)		2565.72	2675.57
			0	0
Note: For the projection of current assets and current liabilities, working sheets showing the calculations along with assumptions upon which they are based should be furnished				
Note: Reconciliation between audited accounts and amounts for transmission business should be furnished.				

Form T CF Cash Flow for the year (Rs Cr)			
Form T CF			
Cash Flow for the year (Incl of SLDC)			
S.No.	Particulars	Previous Year 2017-18	Previous Year 2016-17
1	2	4	5
I	Net Funds from Operations		
1a	Net Funds from Earnings :		
	a) Profit before tax and before revenue subsidies and grants	160.91	151.81
	Less : Income Tax Payment during the year		
	Total of (a)	160.91	151.81
	b. Add: Debits to rev. account not requiring cash Flow:		
	i) a) Depreciation	244.2	210.97
	b) Depreciation on Assets capitalised in the initial BS of the IND	230.73	128.27
	ii) Amortisation of Deferred costs		
	iii) Amortisation of Intangible Assets		
	iv) Investment Allowance Reserve		
	v) Others, if any	-982.85	-38.6
	Total of (b)	-507.92	300.64
	c. Less : Credits to revenue Account not involving cash receipts		
	i) Deprecation		
	ii) Subsidies receivables		
	iii) Revenue gap		
	Total of (c)	0	0
	Net Funds from Earnings (a)+(b)-(c)	-347.01	452.45
2	Contributions, Grants & Subsidies to cost of Capital Assets	92.13	79.02
3	Security Deposit from consumers		
4	Proceeds from disposal of fixed Assets		
5	Total Funds from Operations (1+2+3+4)	-254.88	531.47
6	Net Increase/(Decrease) in working Capital		
	(a) Increase/(Decrease) in Current Assets		
	i) Inventories	-15.07	-9.14
	ii) Receivables against transmission charges		
	iii) Loans and Advances	-4.63	-4.13
	iv) Sundry receivables	39.27	-46.71
	v) Subsidy receivables		
	Total of (a)	19.57	-59.98
	(b) Increase/(Decrease) in Current liabilities		
	i) Borrowings for working Capital	34.76	-387.58
	ii) Other current liabilities	12.09	29.75
	iii) Others (Increase in Reserve + payment due on cap.liab)	-81.21	
	Total of (b)	-34.36	-357.83
	Net Increase/(Decrease) in working Capital (a)- (b)	53.93	297.85
7	Net Funds from operations before subsidies and Grants (5-6)	-308.81	233.62
8	Receipts from revenue subsidies and Grants	191.1	73.17
	Total Net Funds from operations including subsidies & Grants (7+8)	-117.71	306.78
II.	Net increase/ decrease in Capital liabilities		
	a). Fresh borrowings		
	i) State Loans		
	ii) Foreign currency Loans / Credits		
	iii) Other borrowings	1460.43	775.4
	Total of (a)	1460.43	775.4
	b) Repayments :		
	i) State Loans		
	ii) Foreign currency Loans / Credits		
	iii) Other borrowings	1812.75	713.33
	Total of (b)	1812.75	713.33

	Net Increase/(Decrease) in Capital liabilities (a) - (b)	-352.32	62.07
III.	Increase/(Decrease) in equity Capital	106.33	-164.69
IV.	Total Funds available for Capital Expenditure (I+II+III)	-363.7	204.16
V	Funds utilised on Capital Expenditure		
	a)On projects	546.03	322.2
	b)Advance to Suppliers & Contractors		
	c) Intangible Assets		
	d) Deferred Cost	0	-0.02
	e) Long Term Loans and Advances	21.66	0.24
	Total of V (a+b+c+d)	567.69	322.42
VI	Net Increase/(Decrease) in Government contribution		
VII	Net Increase/(Decrease) in Terminal benefit fund	956.24	0.91
VIII	Net Increase/(Decrease) in Provident fund	-9.08	14.86
IX	Net Increase/(Decrease) in investments	-0.86	3.82
X	Net Increase /(Decrease) in cash / bank balance (IV - V- VI-IX)+	16.63	-106.31
XI	Add opening cash & Bank balance	8.96	19.14
XII	Closing Cash & Bank balance (X+XI)	25.59	-87.17
Note: Reconciliation between audited accounts and amounts for transmission business should be furnished.			