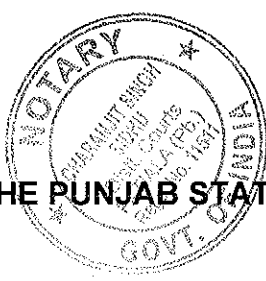


**PETITION FOR
ARR AND TARIFF DETERMINATION FOR FY 2024-25
INCLUDING
TRUE UP FOR FY 2022-23
and
True up of CAPEX for 2nd Control Period i.e.
From FY 2020-21 to FY 2022-23**

Submitted by

PUNJAB STATE TRANSMISSION CORPORATION LIMITED





BEFORE THE PUNJAB STATE ELECTRICITY REGULATORY COMMISSION,
CHANDIGARH

PETITION NO.

Case No.....

IN THE MATTER OF: Filing of the Petition for the approval of True-up of Capital Expenditure for 2nd MYT Control Period i.e. from FY 2020-21 to FY 2022-23 and True-up of ARR for FY 2022-23 for Transmission Business and SLDC, under Section 62, 64 and 86 of the Electricity Act, 2003 read with the Regulation 9 to 13 of PSERC (Terms and Conditions of Determination of Generation, Transmission, Wheeling and Retail Supply Tariff) Regulations, 2019 as amended from time to time and; approval of Revised forecast of ARR and determination of Tariff for Transmission Business and SLDC for FY 2024-25 under Section 62, 64 and 86 of the Electricity Act, 2003 read with Regulation 10 & 11 of PSERC (Terms and Conditions of Determination of Generation, Transmission, Wheeling and Retail Supply Tariff) Regulations, 2022.

AND

IN THE MATTER OF: Punjab State Transmission Corporation Limited
Regd. Office: PSEB Head Office, The Mall, Patiala -147001

MOST RESPECTFULLY SHOWETH:

I, Sudhir Kumar, son of Late Sh. Jagdish Sharan aged 50 residing at Patiala do hereby solemnly affirms and state as follows:

I am the Chief Accounts Officer (Finance & Audit) of Punjab State Transmission Corporation Limited, the petitioner in the above matter and am duly authorized by the Corporation to make this affidavit on its behalf.

The statement made in Chapter 1 to 7 of the petition are based on the information collected from the concerned offices of the PSTCL and believe them to be true to my knowledge and nothing material has been concealed there from.

There is no case pending in any court of law with regards to the subject matter of the petition.

The Contents of the affidavit documents have been read over to the documents He/She has accepted the true & correct.

Sudhir Kumar
DEPONENT
(Sudhir Kumar)

I, the deponent named above do hereby verify that the content of my above affidavit are true to my knowledge and belief and nothing material has been concealed there from.

Verified at Patiala on the date.

Attested As Identified
Sudhir Kumar
Notary (Govt. of India)
DISTT. PATIALA (PBA)

Sudhir Kumar
DEPONENT
(Sudhir Kumar)

21 NOV 2023

Table of Contents

1	Introduction	7
1.1	Background	7
1.2	Overview	7
1.3	Contents of the Petition	8
2	True up of Capital Expenditure for 2nd Control Period	9
2.1	Background	9
2.2	Actual CAPEX from FY 2020-21 to FY 2022-23	10
2.3	Approved VS Actual CAPEX for 2 nd Control Period	12
2.4	Funding of Capital Expenditure	12
2.5	Impact of True Up of Capital Expenditure	14
2.5.1	Interest on Loans: -	14
2.5.2	Return on Equity: -	15
2.5.3	Cumulative Impact with Carrying Cost: -	18
3	True-up of ARR for FY 2022-23	19
3.1	Background	19
3.2	Description of Transmission System	19
3.3	Transmission System Availability	20
3.4	Transmission Losses	20
3.5	Operation & Maintenance Expenses	23
3.5.1	Employee Costs	24
3.5.2	Computation of Normative A&G Expenses	27
3.5.3	Computation of Normative R & M Expenses	28
3.5.4	Total Operational & Maintenance Expenses	29
3.6	Funding of Capital Expenditure	30
3.7	Depreciation	31
3.8	Interest Charges	33
3.9	Interest on Working Capital	36
3.10	ULDC Charges	38
3.11	Return on Equity	39
3.12	Other Expenses	40
3.13	Revenue from Open Access Customers	40
3.14	Non-Tariff Income	41
3.15	Incentives on account of Transmission System Availability	44
3.16	Aggregate Revenue Requirement	45
3.17	Revenue Gap and its Recovery	47

4	Revised ARR for FY 2024-25	49
4.1	Background	49
4.2	Description of Transmission System	49
4.3	Transmission System Availability	50
4.4	Transmission Losses	50
4.5	Capital Expenditure and Capitalisation	50
4.6	Funding of Capital Expenditure	51
4.7	Operation & Maintenance Expenses	52
4.7.1	Employee Costs	53
4.7.2	Computation of Normative A&G Expenses	55
4.7.3	Computation of Normative R & M Expenses	56
4.7.4	Total Operational & Maintenance Expenses	57
4.8	Depreciation	57
4.9	Interest Charges	59
4.10	Interest on Working Capital	62
4.11	ULDC Charges	63
4.12	Return on Equity	64
4.13	Revenue from Open Access Customers	65
4.14	Non-Tariff Income	65
4.15	Aggregate Revenue Requirement	66
5	Proposed Tariff for FY 2024-25	68
5.1	Proposed Tariff for FY 2024-25	68
6	Prayers	70
7	Directives	71

List of Tables

TABLE 1: CWIP APPROVED BY COMMISSION IN 2ND CIP ORDER.....	9
TABLE 2: REVISED CIP APPROVED BY COMMISSION IN ORDER DT. 01.06.2020 (RS. CRORE)	9
TABLE 3: ACTUAL CAPITAL EXPENDITURE AND CAPITALIZATION FOR 2ND CONTROL PERIOD	11
TABLE 4: CAPITAL EXPENDITURE APPROVED VS ACTUAL FOR 2ND CONTROL PERIOD.....	12
TABLE 5: FUNDING REQUIREMENT FOR CAPITAL INVESTMENT FOR 2ND CONTROL PERIOD.....	13
TABLE 6: REVISED INTEREST ON LOAN FOR FY 2020-21 & FY 2021-22	14
TABLE 7: REVISED RETURN ON EQUITY FOR FY 2020-21 & FY 2021-22	15
TABLE 8: IMPACT OF TRUE UP OF CAPITAL EXPENDITURE FOR FY 2020-21.....	16
TABLE 9: IMPACT OF TRUE UP OF CAPITAL EXPENDITURE FOR FY 2021-22.....	17
TABLE 10: CUMULATIVE IMPACT OF TRUE UP OF CAPEX ON ARR WITH CARRYING COST.....	18
TABLE 11: TRANSMISSION SYSTEM OF PSTCL DURING FY 2022-23.....	19
TABLE 12: TRANSMISSION SYSTEM AVAILABILITY FOR FY 2022-23.....	20
TABLE 13: ACTUAL TRANSMISSION LOSS FOR FY 2022-23.....	21
TABLE 14: CALCULATION OF SHORT-TERM POWER PURCHASE RATE FOR FY 2022-23	22
TABLE 15: GAIN ON ACCOUNT OF OVER ACHIEVEMENT OF TS LOSS TARGET.....	22
TABLE 16: EMPLOYEE TERMINAL BENEFITS FOR FY 2022-23	25
TABLE 17: ADDITIONAL EMPLOYEE COST FOR EXTRA-ORDINARY ITEMS FY 2022-23	26
TABLE 18: CALCULATION OF INDEX OF FY 2022-23.....	27
TABLE 19: NORMATIVE OTHER EMPLOYEE COST FOR FY 2022-23	27
TABLE 20: CALCULATION OF %AGE OF A&G EXPENSES WITH GFA	28
TABLE 21: NORMATIVE A & G EXPENSES FOR FY 2022-23	28
TABLE 22: NORMATIVE R & M EXPENSES FOR FY 2022-23	29
TABLE 23: NORMATIVE O & M EXPENSES FOR FY 2022-23	29
TABLE 24: ACTUAL FUNDING REQUIREMENT FOR FY 2022-23	30
TABLE 25: CALCULATION OF RATE OF DEPRECIATION FOR FY 2022-23	31
TABLE 26: DEPRECIATION FOR SPILL OVER SCHEMES FOR FY 2022-23.....	32
TABLE 27: DEPRECIATION FOR NEW SCHEMES FOR FY 2022-23	32
TABLE 28: CALCULATION OF ROI CAPITAL LOANS FOR FY 2022-23	34
TABLE 29: INTEREST ON LOAN FOR SPILL OVER SCHEMES.....	35
TABLE 30: INTEREST ON LOAN FOR NEW SCHEMES.....	35
TABLE 31: INTEREST ON LOAN FOR ALL SCHEMES	36
TABLE 32: CALCULATION OF WORKING CAPITAL LOAN ROI FOR FY 2022-23.....	37
TABLE 33: NORMATIVE INTEREST ON WORKING CAPITAL FOR FY 2022-23	38
TABLE 34: ULDC CHARGES FOR FY 2022-23.....	39
TABLE 35: RETURN ON EQUITY FOR PSTCL FOR FY 2022-23.....	40
TABLE 36: REVENUE FROM OPEN ACCESS CUSTOMER DURING FY 2022-23.....	40
TABLE 37: DETAILS OF NON-TARIFF INCOME FOR FY 2022-23.....	43
TABLE 38: INCENTIVES ON ACCOUNT OF TS AVAILABILITY FOR FY 2022-23	44
TABLE 39: ANNUAL REVENUE REQUIREMENT OF TRANSMISSION & SLDC BUSINESS FOR FY 2022-23	46
TABLE 40: REVENUE GAP/(SURPLUS) FOR FY 2022-23	47
TABLE 41: CARRYING COST ON REVENUE GAP FOR FY 2022-23	47
TABLE 42: TOTAL REVENUE GAP OF CAPEX & ARR FOR FY 2022-23 (RS. CRORE)	48
TABLE 43: TRANSMISSION SYSTEM OF PSTCL DURING FY 2023-24 & 2024-25	49
TABLE 44: REVISED CAPITAL INVESTMENT FOR FY 2024-25.....	51
TABLE 45: FUNDING REQUIREMENT FOR CAPITAL INVESTMENT FOR FY 2024-25.....	51
TABLE 46: EMPLOYEE TERMINAL BENEFITS FOR FY 2024-25.....	54
TABLE 47: NORMATIVE OTHER EMPLOYEE COST FOR FY 2024-25.....	55
TABLE 48: NORMATIVE A & G EXPENSES FOR FY 2024-25	56
TABLE 49: NORMATIVE R & M EXPENSES FOR FY 2024-25	57
TABLE 50: NORMATIVE O & M EXPENSES FOR FY 2024-25	57

TABLE 51: CALCULATION OF RATE OF DEPRECIATION FOR FY 2024-25	58
TABLE 52: DEPRECIATION ON SPILL OVER SCHEMES DURING FY 2024-25	59
TABLE 53: DEPRECIATION ON NEW SCHEMES DURING FY 2024-25	59
TABLE 54: INTEREST ON LOAN FOR SPILL OVER SCHEMES FOR FY 2024-25.....	61
TABLE 55: INTEREST ON LOAN FOR NEW SCHEMES FOR FY 2024-25	61
TABLE 56: INTEREST ON LOAN FOR ALL SCHEMES FOR FY 2024-25.....	61
TABLE 57: NORMATIVE INTEREST ON WORKING CAPITAL FOR FY 2024-25	63
TABLE 58: ULDC CHARGES FOR FY 2024-25.....	64
TABLE 59: REVISED RETURN ON EQUITY FOR FY 2024-25.....	64
TABLE 60: ANNUAL REVENUE REQUIREMENT OF TRANSMISSION & SLDC BUSINESS FOR FY 2024-25	67
TABLE 61: PROPOSED SLDC OPERATING CHARGES FOR FY 2024-25.....	68
TABLE 62: PROPOSED TRANSMISSION CHARGES FOR FY 2024-25	69
TABLE 63: DIRECTIVES ISSUED BY PSERC AND THEIR COMPLIANCE STATUS.....	71



1 Introduction

1.1 Background

The Punjab State Transmission Corporation Limited (hereinafter referred to as PSTCL or the Petitioner) is a transmission licensee for transmission of electricity in the areas as notified by the Government of Punjab vide Notification No. 1/9/08-EB(PR) 196 dated April 16, 2010. PSTCL is vested with the function of intra-State transmission of electricity in the State of Punjab and the operation of State Load Despatch Centre (SLDC). Further, in terms of Section 39 of the Act, the Government of Punjab notified PSTCL as the State Transmission Utility (STU).

1.2 Overview

The Hon'ble Punjab State Electricity Regulatory Commission ("the Commission" or "PSERC") has notified the PSERC (Terms and Conditions of Determination of Generation, Transmission, Wheeling and Retail Supply Tariff) Regulations, 2019 (hereinafter referred to as "PSERC MYT Regulations, 2019") in exercise of powers conferred on it by Section 61 read with Section 181(2) of the Electricity Act, 2003 (No. 36 of 2003) (herein after referred as "the Act"). Hon'ble Commission also notified one (1) amendment in PSERC MYT Regulations, 2019 on March 16, 2022. As per Hon'ble Commission's notification dated May 29, 2019, the effective date of enforcement of these Regulations is April 1, 2020 and three-year Multi Year Tariff ("MYT") Control Period was from FY 2020-21 to FY 2022-23.

Further, The Hon'ble Commission has notified the PSERC (Terms and Conditions of Determination of Generation, Transmission, Wheeling and Retail Supply Tariff) Regulations, 2022 (hereinafter referred to as "PSERC MYT Regulations, 2022") on October 27th, 2022 in exercise of powers conferred on it. Hon'ble Commission also notified Two (2) amendments in PSERC MYT Regulations, 2022 on March 06, 2023 & June 02, 2023. As per Hon'ble Commission's notification dated October 27, 2022, the effective date of enforcement of these Regulations is April 1, 2023 and three-year Multi Year Tariff ("MYT") Control Period is from FY 2023-24 to FY 2025-26.

Now, in view of the above, PSTCL files the present ARR & Tariff Petition for FY 2024-25 based on Projections as per PSERC MYT Regulations, 2022 along with True up of CAPEX for 2nd Control Period and True up of FY 2022-23 as per PSERC MYT Regulations, 2019.



1.3 Contents of the Petition

The present Petition consists of following Chapters as outlined below:

Chapter 1 – Introduction (present Chapter)

Chapter 2 - True-up of Capital Expenditure for 2nd Control Period: In this Chapter, the Petitioner submits the actual Capital Expenditure for 2nd Control Period i.e., from FY 2020-21 to FY 2022-23 with respect to already approved expenditure by the Hon'ble Commission and has claimed the differential expenditure including its carrying cost along with Revenue Gap of True up of ARR of FY 2022-23.

Chapter 3 - True-up of ARR for FY 2022-23: In this Chapter, the Petitioner submits the ARR for Transmission Business and SLDC, based on the actual expenses and income as per the audited annual accounts for FY 2022-23. In this Chapter, the Petitioner has also presented its submissions regarding certain critical aspects influencing the true-up of expenses for FY 2022-23.

Chapter 4 – Revised ARR for FY 2024-25: In this Chapter, the Petitioner has submitted the Revised ARR for Transmission Business and SLDC for FY 2024-25 in line with PSERC MYT Regulations, 2022. In this Chapter, the Petitioner has also presented its submissions regarding certain critical aspects influencing the determination of ARR for the Control Period.

Chapter 5 - Proposed Tariff for FY 2024-25: In this Chapter, the Petitioner has submitted the proposed Tariff for Transmission Business and SLDC for FY 2024-25, considering the projected ARR for the Control Period and past impacts & revenue gaps.

Chapter 6 – Prayer: This Chapter details the prayer made by PSTCL in the present Petition.

Chapter 7 – Directives: This Chapter includes the status and compliance of directives issued by the Hon'ble Commission in the past Tariff Orders

2 True up of Capital Expenditure for 2nd Control Period

2.1 Background

- Hon'ble Commission approved Capital Investment Plan for the 2nd Control Period i.e., FY 2020-21 to FY 2022-23 in its order dated December 03, 2019 as under: -

Table 1: CWIP approved by Commission in 2nd CIP Order (Rs. Crore)

Sr No.	Particulars	FY 2020-21	FY 2021-22	FY 2022-23	Total
Capital Expenditure					
1	Transmission Business	612.78	618.35	550.2	1781.33
2	SLDC Business	25.22	17.8	13.42	56.44
3	TOTAL	638	636.15	563.62	1837.77
Capitalization					
1	Transmission Business	274.04	158.37	1070.43	1502.84
2	SLDC Business	7.87	1.93	54.29	64.09
3	TOTAL	281.91	160.3	1124.72	1566.93

- However, after considering the revised submission of PSTCL, The Hon'ble Commission in Tariff Order for FY 2020-21 dated 01.06.2020 approved revised CIP for 2nd MYT control period of PSTCL as under:

Table 2: Revised CIP approved by Commission in order dt. 01.06.2020 (Rs. crore)

Sr. No.	Particulars	2020-21	2021-22	2022-23	Total
1	Approved schemes Spill over from 1st MYT Control period	171.59	88.45	70.35	330.39
2	Deferred scheme from 1st MYT control period to 2nd MYT control period	94.08	120.54	50.56	265.18
3	Other schemes approved for 2nd MYT control period	396.3	435.92	413.39	1245.61
4	Revised CIP for Transmission Business	661.97	644.91	534.3	1841.18
5	SLDC Business	25.22	17.79	13.42	56.43
6	Total CIP	687.19	662.7	547.72	1897.61

2.2 Actual CAPEX from FY 2020-21 to FY 2022-23

- The Hon'ble Commission had approved the Capital Expenditure in Truing up of FY 2020-21, FY 2021-22 and APR for FY 2022-23 and had ruled in respective Tariff Order that Capital Expenditure shall be finally approved at the end of the 2nd MYT Control Period. Accordingly, PSTCL is now submitting the Capital Expenditure for 2nd MYT Control Period i.e., from FY 2020-21 to FY 2022-23 in line with the Audited Accounts of respective year for FY 2020-21, FY 2021-22 and FY 2022-23 respectively.
- PSTCL would like to submit that the works as per Capital Investment Plan approved by the Hon'ble Commission during 2nd MYT Control Period also includes works under PSDF Schemes. The Capital Expenditure incurred against these projects is partly funded by Government Grant and partly funded by PSTCL. PSTCL has claimed only part of Capital Expenditure under PSDF Scheme which is not funded through Government Grant.
- The Capital Expenditure to the extent of Contributory works and PSDF (Govt. Funding) has not been considered for funding through Equity or Loans. Further, assets created through Capitalization of Contributory Works and PSDF (Govt Funding) has also been excluded while claiming depreciation.
- However, PSTCL has incurred the Capital Expenditure on Purchase of Assets which have been directly transferred to GFA and do not form the part CWIP account. PSTCL has also considered the amount of directly added assets as Capital Expenditure to be funded through Loan or Equity.
- Considering the Opening CWIP as per Financial Accounts of PSTCL amounting Rs. 280.67 crore, PSTCL has submitted the Scheme wise and year wise Capital Expenditure and Capitalization for the 2nd Control Period i.e. from FY 2020-21 to FY 2022-23.
- Following table shows the summary of Actual Capital Expenditure and Capitalization for 2nd Control period: -

Table 3: Actual Capital Expenditure and Capitalization for 2nd Control Period (Rs. Crore)

Sr. No.	Particulars	FY 2020-21			FY 2021-22			FY 2022-23		
		STU	SLDC	PSTCL	STU	SLDC	PSTCL	STU	SLDC	PSTCL
1	Opening CWIP	276.70	3.97	280.67	301.48	1.37	302.85	246.20	7.16	253.37
2a	Contributory Works	89.80	0.00	89.80	31.62	0.00	31.62	27.02	0.00	27.02
2b	PSDF (Govt Funding)	6.48	0.00	6.48	2.45	0.00	2.45	49.28	4.82	54.11
2c	Spill Over Schemes	101.73	2.22	103.95	167.28	0.66	167.94	139.98	0.38	140.36
2d	New Schemes	20.47	0.00	20.47	113.95	5.43	119.39	228.52	0.74	229.26
2	Capital Expenditure	218.47	2.22	220.69	315.31	6.10	321.40	444.80	5.94	450.74
	Add: Directly Added Assets	3.96	0.04	4.01	28.41	0.00	28.41	12.95	0.01	12.96
	Total CAPEX	222.44	2.26	224.70	343.71	6.10	349.81	457.75	5.95	463.70
3a	Contributory Works	0.98	0.00	0.98	149.71	0.00	149.71	31.82	0.00	31.82
3b	PSDF (Govt Funding)	6.04	0.00	6.04	6.90	0.00	6.90	3.20	0.00	3.20
3c	Spill Over Schemes	169.12	4.82	173.94	140.21	0.08	140.29	90.56	0.00	90.56
3d	New Schemes	17.55	0.00	17.55	73.76	0.22	73.98	121.40	4.88	126.28
3	Capitalization	193.69	4.82	198.51	370.58	0.30	370.89	246.97	4.88	251.86
	Add: Directly Added Assets	3.96	0.04	4.01	28.41	0.00	28.41	12.95	0.01	12.96
	Total Capitalization	197.65	4.86	202.52	398.99	0.30	399.29	259.93	4.89	264.82
4	Closing CWIP	301.48	1.37	302.85	246.20	7.16	253.37	444.03	8.23	452.25

[Handwritten Signature]

2.3 Approved VS Actual CAPEX for 2nd Control Period

- Actual Capital Expenditure as submitted above has some deviations from the Capital Expenditure lastly approved by Hon'ble Commission in True ups of respective year's ARR& APR. However, Total Capital Expenditure for 2nd Control Period is less than the Capital Expenditure already approved by Hon'ble Commission. Following table shows the Actual VS Approved Capital Expenditure:

Table 4: Capital Expenditure Approved Vs Actual for 2nd Control Period (Rs. crore)

Sr. No.	Particulars	Approved				Actual			
		2020-21	2021-22	2022-23	Total	2020-21	2021-22	2022-23	Total
1	Total Capital Expenditure	217.98	318.62	549.23	1085.83	220.69	321.40	450.74	992.84
2	Less: Contributory Works	89.80	31.63	14.07	135.50	89.80	31.62	27.02	148.44
3	Less: PSDF Works	6.48	2.45	2.88	11.81	6.48	2.45	54.11	63.03
4	Other Capital Expenditure	121.70	284.54	532.28	938.52	124.42	287.33	369.62	781.36
5	Add: Directly Added Assets	4.00	28.40	0.00	32.40	4.01	28.41	12.96	45.37
6	Total CAPEX for Claim	125.70	312.94	532.28	970.92	128.42	315.73	382.58	826.74

2.4 Funding of Capital Expenditure

- In its Previous Tariff Orders, the Hon'ble Commission approves the funding on provisional basis subject to True up of Capital Expenditure for 2nd Control Period.
- PSTCL has considered the funding of Capital Expenditure of Spill over Schemes and Capitalization of New Schemes through Loan and Equity in 70:30.
- Following table shows the Actual Funding of Capital Investment Plan for 2nd Control Period: -

Table 5: Funding Requirement for Capital Investment for 2nd Control Period (Rs. Crore)

Sr. No.	Particulars	FY 2020-21			FY 2021-22			FY 2022-23		
		STU	SLDC	PSTCL	STU	SLDC	PSTCL	STU	SLDC	PSTCL
1	Total Funding Required	101.73	2.22	103.95	167.28	0.66	167.94	139.98	0.38	140.36
2	Funding through Equity	14.21	-	14.21	50.18	-	50.18	41.99	-	41.99
3	Funding through Loan	87.52	2.22	89.74	117.09	0.66	117.76	97.98	0.38	98.36
4	Capitalization of New Works	17.55	-	17.55	73.76	0.22	73.98	121.40	4.88	126.28
5	Add: Directly Added Assets	3.96	0.04	4.01	28.41	-	28.41	12.95	0.01	12.96
6	Total Funding Required	21.52	0.04	21.56	102.17	0.22	102.39	134.35	4.89	139.24
7	Funding through Equity	6.45	-	6.45	30.65	-	30.65	40.31	-	40.31
8	Funding through Loan	15.06	0.04	15.10	71.52	0.22	71.73	94.05	4.89	98.93
9	Total Funding Required	123.25	2.26	125.51	269.45	0.88	270.32	274.33	5.27	279.60
10	Funding through Equity	20.66	-	20.66	80.83	-	80.83	82.30	-	82.30
11	Funding through Loan	102.59	2.26	104.85	188.61	0.88	189.49	192.03	5.27	197.30

[Handwritten signature]

2.5 Impact of True Up of Capital Expenditure

Based on the True Up of Capital Expenditure for 2nd Control Period as submitted above and its funding, PSTCL has calculated the Impact on Revenue Requirement during the FY 2020-21 to FY 2021-22, which are already trued up. Revision in CAPEX and Funding will majorly impact Interest on Loans and Return on Equity and there will be consequential impact on Interest on Working Capital and Incentive on Transmission System Availability also.

2.5.1 Interest on Loans: -

PSTCL has Considered the Opening Balance of Loans as approved by the Hon'ble Commission as on 01.04.2020 while truing up of FY 2020-21 i.e., Rs 3511.43 Crore for its Transmission Business and Rs 12.28 Crore for SLDC Business. Revised Interest Charges as per revised funding requirement during FY 2020-21 and FY 2021-22 is as under: -

Table 6: Revised Interest on Loan for FY 2020-21 & FY 2021-22 (Rs. Crore)

Sr. No.	Particulars	FY 2020-21			FY 2021-22		
		STU	SLDC	PSTCL	STU	SLDC	PSTCL
1	Opening Balance	3,511.43	12.28	3,523.71	3,314.07	13.28	3,327.35
2	Add: Addition during the year	102.59	2.26	104.85	188.61	0.88	189.49
3	Less: Repayment during the year	299.94	1.26	301.21	302.43	1.73	304.16
4	Closing Balance	3,314.07	13.28	3,327.35	3,200.26	12.42	3,212.68
5	Average Loan for the year	3,412.75	12.78	3,425.53	3,257.16	12.85	3,270.01
6	Interest Rate	10.18%	10.44%		9.12%	9.11%	
7	Interest Charges for the year	347.42	1.33	348.75	297.05	1.17	298.22
8	Add: Interest on GP Fund	4.36	-	4.36	2.40	-	2.40
9	Add: Guarantee Fee	3.30	-	3.30	1.70	-	1.70
10	Add: Misc & Finance Charges	0.03	0.01	0.04	0.14	-	0.14
11	Less: Interest Capitalized	10.30	-	10.30	6.23	-	6.23
12	Normative Interest & Finance Charges	344.81	1.34	346.15	295.07	1.17	296.24

2.5.2 Return on Equity: -

PSTCL has Considered the Opening Balance of Equity as approved by the Hon'ble Commission as on 01.04.2020 while trueing up of FY 2020-21 i.e., Rs 705.70 Crore. There is no Impact on Return on Equity in FY 2020-21, as PSTCL had already Claimed ROE to the limit of its Profit earned during FY 2020-21. However, during FY 2021-22 there PSTCL has lower claim of equity addition due to revised funding position.

Revised Claim of ROE as per revised funding requirement during FY 2020-21 and FY 2021-22 is as under: -

Table 7: Revised Return on Equity for FY 2020-21 & FY 2021-22 (Rs. crore)

Sr No.	Particulars	FY 2020-21	FY 2021-22
1	Equity at the opening of Year	705.70	726.36
2	Addition During the Year	20.66	80.83
4	Equity at the Closing of Year	726.36	807.19
5	Average Equity during the Year	716.03	766.78
6	Rate for Return on Equity	15.50%	15.50%
7	Return on Equity	110.98	118.85

The Overall Impact of True Up of Capital Expenditure for FY 2020-21 & FY 2021-22 on Revenue Requirement of respective year is as follows: -

SK

Table 8: Impact of True up of Capital Expenditure for FY 2020-21 (Rs. Crore)

Sr. No	Particulars	Approved in True up of 2020-21 in Order dated 31.03.2022			Revised Actual with True up of CAPEX during 2nd Control Period			Impact		
		STU	SLDC	PSICL	STU	SLDC	PSICL	STU	SLDC	PSTCL
a.	Employee Cost	520.49	9.21	529.70	520.49	9.21	529.70	0.00	0.00	0.00
b.	A & G Expenses	27.07	0.80	27.87	27.07	0.80	27.87	0.00	0.00	0.00
c.	R & M Expenses	51.31	0.62	31.93	31.31	0.62	31.93	0.00	0.00	0.00
1	O&M Expenses	578.87	10.63	589.50	578.87	10.63	589.50	0.00	0.00	0.00
2	Depreciation	299.93	1.26	301.19	299.94	1.26	301.21	0.01	0.00	0.02
3	Interest charges	342.55	1.28	343.83	344.81	1.34	346.15	2.26	0.06	2.32
4	Interest on W.C	34.56	0.62	35.18	34.60	0.61	35.21	0.04	-0.01	0.03
5	ULDC Charges	0.00	9.80	9.80	0.00	9.80	9.80	0.00	0.00	0.00
6	Return on Equity	110.98	0.00	110.98	110.98	0.00	110.98	0.00	0.00	0.00
7	Other Debits	11.22	0.02	11.24	11.22	0.02	11.24	0.00	0.00	0.00
8	Gross ARR	1378.11	23.61	1401.72	1380.43	23.67	1404.09	2.32	0.06	2.37
9	Less: (i) NTI	35.58	0.35	35.93	35.58	0.35	35.93	0.00	0.00	0.00
10	Less: (ii) OA Customers	4.00	0.28	4.28	4.00	0.28	4.28	0.00	0.00	0.00
11	Net ARR	1338.53	22.98	1361.51	1340.85	23.04	1363.88	2.32	0.06	2.37
12	Add: Incentives	9.80	0.00	9.80	9.82	0.00	9.82	0.02	0.00	0.02
13	Less: Penalty on under achievement of TS Loss	2.78	0.00	2.78	2.78	0.00	2.78	0.00	0.00	0.00
14	Less: CC of Pvs Years	1.01	0.00	1.01	1.01	0.00	1.01	0.00	0.00	0.00
15	Total ARR	1344.54	22.98	1367.52	1346.88	23.04	1369.91	2.34	0.06	2.39

Table 9: Impact of True up of Capital Expenditure for FY 2021-22 (Rs. Crore)

Sr. No	Particulars	Approved in True up of 2021-22 in Order dated 15.05.2023			Revised Actual with True up of CAPEX during 2nd Control Period			Impact		
		STU	SLDC	PSTCL	STU	SLDC	PSTCL	STU	SLDC	PSTCL
a.	Employee Cost	584.42	9.13	593.55	584.42	9.13	593.55	0.00	0.00	0.00
b.	A & G Expenses	29.58	0.88	30.46	29.58	0.88	30.46	0.00	0.00	0.00
c.	R & M Expenses	35.87	0.75	36.62	35.87	0.75	36.62	0.00	0.00	0.00
1	O&M Expenses	649.87	10.76	660.63	649.87	10.76	660.63	0.00	0.00	0.00
2	Depreciation	302.36	1.73	304.09	302.43	1.73	304.16	0.07	0.00	0.07
3	Interest charges	294.30	1.05	295.35	295.07	1.17	296.24	0.77	0.12	0.89
4	Interest on W.C	30.19	0.50	30.69	30.19	0.50	30.69	0.00	0.00	0.00
5	ULDC Charges	0.00	8.88	8.88	0.00	8.88	8.88	0.00	0.00	0.00
6	Return on Equity	118.50	0.00	118.50	118.85	0.00	118.85	0.35	0.00	0.35
7	Other Debits	1.02	0.00	1.02	1.02	0.00	1.02	0.00	0.00	0.00
8	Gross ARR	1396.24	22.92	1419.16	1397.43	23.04	1420.47	1.19	0.12	1.31
9	Less: (f) NTI	35.57	0.23	35.80	35.57	0.23	35.80	0.00	0.00	0.00
10	Less: (ii) OA Customers	3.66	0.09	3.75	3.66	0.09	3.75	0.00	0.00	0.00
11	Net ARR	1357.01	22.60	1379.61	1358.20	22.72	1380.92	1.19	0.12	1.31
12	Add: Incentives	10.06	0.00	10.06	10.07	0.00	10.07	0.01	0.00	0.01
13	Add: Gain on Over achievement of TS Loss	16.39	0.00	16.39	16.39	0.00	16.39	0.00	0.00	0.00
14	Less: CC of Pvs Years	0.75	0.00	0.75	0.75	0.00	0.75	0.00	0.00	0.00
15	Total ARR	1384.21	22.60	1406.81	1385.40	22.72	1408.13	1.19	0.12	1.32

2.5.3 Cumulative Impact with Carrying Cost: -

- The Cumulative Impact of True Up of CAPEX for 2nd Control Period on ARR of FY 2020-21 and FY 2021-22 along with its Carrying Cost is as below: -

Table 10: Cumulative impact of True up of CAPEX on ARR with Carrying Cost (Rs. Crore)

Sr. No.	Particulars	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25
1	Opening Balance of Impact	0.00	2.51	4.08	4.41	4.76
2	Addition during the year	2.39	1.32	0.00	0.00	0.00
3	Closing Balance of Impact	2.39	3.83	4.08	4.41	4.76
4	Average Balance	1.20	3.17	4.08	4.41	4.76
5	Rate of IWC	9.65%	7.99%	8.01%	8.01%	8.01%
6	Carrying Cost	0.12	0.25	0.33	0.35	0.38
7	Cumulative Impact	2.51	4.08	4.41	4.76	5.14

PSTCL requests the Hon'ble Commission to approve the Impact of True up of Capital Expenditure for FY 2020-21 & FY 2021-22, including carrying cost amounting to Rs. 5.14 crore, along with Revenue Gap of ARR of FY 2022-23.

3 True-up of ARR for FY 2022-23

3.1 Background

- The Hon'ble Commission in its Tariff Order dated March 31st, 2022 approved total Aggregate Revenue Requirement (ARR) for PSTCL of Rs. 1477.47 Crore, including Net ARR of Rs. 27.12 Crore for SLDC for FY 2022-23.
- Further, Hon'ble Commission vide Order dated May15th, 2023 Reviewed the estimates and revised Net ARR for FY 2022-23 with Rs. 1575.00 Crore for PSTCL, including net ARR of Rs. 26.65 Crore for SLDC for FY 2022-23.
- In the present Petition, the Petitioner has submitted the True-up for FY 2022-23 based on the audited accounts for FY 2022-23. The Petitioner also submits its rationale for the key heads of expenditure, which critically impact its overall financial health. This Chapter further describes the various components of ARR as well as the performance of PSTCL during FY 2022-23 for Transmission business and SLDC. PSTCL has submitted a copy of Audited Accounts for FY 2022-23 as **Annexure I** along with this Petition.

3.2 Description of Transmission System

- The details of the transmission system of PSTCL as on April 1, 2022 to March 31, 2023 are tabulated below:

Table 11: Transmission System of PSTCL during FY 2022-23

Sr. No.	Particulars	Opening (As on 1 st April 2022)	Addition during the year	Closing (As on 31 st March 2023)
Transmission Lines (Circuit-kms)				
1	400 kV	1,599.75	66.68	1,666.43
2	220 kV	7,880.14	45.16	7,925.30
3	132 kV	3,098.04	11.10	3,109.14
	Total	12,577.93	122.94	12,700.87
Substations (Nos)				
1	400 kV	6	1	7
2	220 kV	103	0	103
3	132 kV	64	0	64
	Total	173	1	174

Table 11: Transmission System of PSTCL during FY 2022-23

Sr. No.	Particulars	Opening (As on 1 st April 2022)	Addition during the year	Closing (As on 31 st March 2023)
Transmission Substations Bays (Nos)				
1	400 kV	86	3	89
2	220 kV	726	25	751
3	132 kV	520	9	529
	Total	1,332	37	1,369
1	Substation Capacity (MVA)	39,707.17	1,524.00	41,231.17

3.3 Transmission System Availability

- The Petitioner submits that the overall Transmission System Availability for FY 2022-23, as certified by Chief Engineer SLDC, (copy attached as per Annexure - II). The following table provides the Transmission System availability for each month of FY 2022-23.

Table 12: Transmission System Availability for FY 2022-23

Sr No.	Month	TS Availability (%)
1	Apr-22	99.7129%
2	May-22	99.6484%
3	Jun-22	99.9316%
4	Jul-22	99.8926%
5	Aug-22	99.9056%
6	Sep-22	99.8820%
7	Oct-22	99.8711%
8	Nov-22	99.9609%
9	Dec-22	99.4982%
10	Jan-23	99.8582%
11	Feb-23	99.8854%
12	Mar-23	99.9074%
	TOTAL	99.8349%

3.4 Transmission Losses

The Petitioner submits that the Actual Transmission losses (Month wise) for FY 2022-23 are as per following table: -

Table 13: Actual Transmission Loss for FY 2022-23

Sr No.	Month	Energy inflow (in MWh) (A)	Energy outflow (in MWh) (B)	Transmission Losses=A-B	TS Loss (%age)
1	Apr-22	4440605.17	4345355.33	95249.84	2.14%
2	May-22	5857162.05	5736513.33	120648.73	2.06%
3	Jun-22	7021609.85	6879223.99	142385.86	2.03%
4	Jul-22	7610210.28	7448134.50	162075.78	2.13%
5	Aug-22	8405188.76	8232192.46	172996.30	2.06%
6	Sep-22	7151922.88	6992071.32	159851.57	2.24%
7	Oct-22	4605083.41	4497852.15	107231.26	2.33%
8	Nov-22	3441077.51	3353341.39	87736.13	2.55%
9	Dec-22	3960959.92	3847826.24	113133.68	2.86%
10	Jan-23	4234234.33	4119703.14	114531.19	2.70%
11	Feb-23	3838649.40	3742970.82	95678.58	2.49%
12	Mar-23	3930685.46	3840773.18	89912.28	2.29%
13	Total	64497389.03	63035957.84	1461431.19	2.27%

- Hon'ble Commission had approved the Transmission Loss target of 2.44% for FY 2022-23. Whereas, actual Transmission Loss of PSTCL during FY 2022-23 is 2.27% against the target of 2.44%.
- The relevant sections of PSERC MYT Regulations, 2019 dealing with Gain/Loss on account of Transmission losses are inter alia reproduced below for reference: -

"54. TRANSMISSION LOSS

... ..

54.3 The Commission may stipulate a trajectory for Transmission Loss in accordance with Regulation 4.4(c) as part of the Multi-Year Tariff framework applicable to the Transmission Licensee:

Provided further that any variation between the actual level of Transmission Loss, as determined by the State Load Despatch Centre and the approved level shall be subject to provisions of Regulation 30:

Provided further that any gain / loss sharing with the Transmission Licensee on account of over-achievement/under-achievement of the Transmission Loss trajectory specified by the Commission, shall be capped to the Return on Equity earned by the Transmission Licensee for the respective year.

"30. SHARING OF GAINS AND LOSSES ON ACCOUNT OF CONTROLLABLE AND UNCONTROLLABLE FACTORS

... ..

30.3. The approved aggregate gain and loss to the Applicant on account of controllable factors shall be dealt with in the following manner:

(a) 50% of such gain shall be passed on to consumer over such period as may be specified in the Order of the Commission;

(b) The balance amount of such gain shall be allowed to be retained by the Applicant;

(c) Loss, if any, will be borne by the Applicant.

- Accordingly, PSTCL has claimed its share of over-achievement of Transmission loss trajectory. The calculations of gain on over achievement of TS Loss target are based on the Short-Term Power Purchase rate provided by the office of CE/PPR, PSPCL, as per below table: -

Table 14: Calculation of Short-Term Power Purchase Rate for FY 2022-23

Sr. No.	Particulars	(Amount/Units)
1	Short Term Power Purchase including through exchange (Rs.)	4088 crores
2	Energy Purchase in units (MU)	7,472 (MU)
3	Short Term Power Purchase Rate Per unit (Rs. /Unit)	5.47 (Rs. /unit)

- Gain on over achievement of TS Loss target are, as under: -

Table 15: Gain on Account of Over Achievement of TS loss Target

Sr. No.	Particulars	(Rs./Units)
1	Energy Inflow (in MU)	64,497.39
2	Actual Transmission Loss (in MU) (A)	1,461.43
3	Transmission Loss Trajectory for FY 2022-23	2.44%
4	Target Transmission Loss (MU) (64497.39 X 2.44%) (B)	1573.74
5	Over-Achievement (in MU) (B-A)	112.31
6	Short-term power purchase rate (Rs. /kwh)	5.47
7	Gain on account of Over-achievement of Target (5.47x112.31x10 ⁶) (Rs. in crores)	61.44
8	Share of PSTCL as per Regulation 30 (Rs. crores)	30.72

PSTCL requests the Hon'ble Commission to approve the amount of Rs.30.72 crore as gain on over achievement of Transmission Loss Trajectory specified by Hon'ble Commission for FY 2022-23.

3.5 Operation & Maintenance Expenses

Regulation 26 of PSERC MYT Regulations, 2019, provides for methodology for computation of normative O&M expenses. The relevant extracts of PSERC MYT Regulations, 2019 inter alia specifies as under:

"26. OPERATION AND MAINTENANCE (O&M) EXPENSES)

26.1. The O&M expenses for the nth year of the Control Period shall be approved based on the formula shown below:

$$O\&M_n = (R\&M_n + EMP_n + A\&G_n) \times (1 - X_n)$$

Where,

*(i) $R\&M_n = K * GFA * WPI_n / WPI_{n-1}$*

Where,

'K' is a constant (expressed in %) governing the relationship between R&M costs and Gross Fixed Assets (GFA) for the nth year. The value of 'K' will be specified by the Commission in the MYT order.

'GFA' is the average value of the gross fixed assets of the nth year.

WPI_n means the average rate (on monthly basis) of Wholesale Price Index (all commodities) over the year for the nth year.

*(ii) $EMP_n + A\&G_n = (EMP_{n-1} + A\&G_{n-1}) * (INDEX_n / INDEX_{n-1})$*

INDEX_n - Inflation Factor to be used for indexing the Employee Cost and Administrative and General Costs for nth year. This will be a combination of the Consumer Price Index (CPI) and the Wholesale Price Index (WPI) of nth year and shall be calculated as under:-

$$INDEX_n = 0.50 * CPI_n + 0.50 * WPI_n$$

'WPI_n' means the average rate (on monthly basis) of Wholesale Price Index (all commodities) over the year for the nth year.

'CPI_n' means the average rate (on monthly basis) of Consumer Price Index (Industrial workers) over the year for the nth year.

Note 1: The O&M expenses of BBMB for the entire Control Period shall be projected separately based on the latest actual payout. The Commission shall true-up the O&M expenses of BBMB during the Annual Performance Review based on the actual payout. The O&M expense of BBMB shall be treated as uncontrollable cost item. However, when CERC determines the tariff in respect of generating plants/units of BBMB, the Commission shall consider the same

Note 2: For the purpose of estimation, the same WPI_n and CPI_n values shall be used for all years of the Control Period. However, the Commission will consider the actual values of the WPI_n and CPI_n at the end of each year during the Annual



Performance Review exercise and True-up the R&M Expenses, Employee Cost and A&G Expenses on account of this variation.

Note 3: O&M expense shall be allowed on normative basis and shall be trued-up only to the account of variation in Wholesale Price Index and Consumer Price Index.

Note 4: Terminal Liabilities such as death-cum-retirement gratuity, pension including family pension, commuted pension, leave encashment, LTC, medical reimbursement including fixed medical allowance in respect of State PSU / Government pensioners will be approved as per the actuals paid by the Applicant.

Note 5: O&M expenses made on account of extraordinary situations (if any) shall be submitted to Commission for its approval. Such expenses shall be filed separately and will not be subjected to provisions of Regulation 30. The amount approved by the Commission shall be trued up in the Annual Performance Review.

Note 6: Exceptional increase in employee cost on account of pay Commission based revision State PSU / Government employees will be considered separately by the Commission.

Note 7: Any expenditure on account of license fee, initial or renewal, fee for determination of tariff and audit fee shall be allowed on actual basis, over and above the A&G expenses approved by the Commission.

Note 8: O&M expenses of assets taken on lease/hire-purchase and those created out of the consumers' contribution shall be considered in case the Generating Company or the Licensee has the responsibility for its operation and maintenance and bears O&M expenses.

Note 9: With regard to unfunded past liabilities of pension and gratuity, the Commission will follow the principle of 'pay as you go'. The Commission shall not allow any other amount towards creating fund for meeting unfunded past liability of pension and gratuity.

Note 10: O&M expenses for gross fixed assets added during the year, if not accounted already, shall be considered from the date of commissioning on pro-rata basis."

In view of above said Regulation, PSTCL makes its submission of Employee Costs, R&M and A&G Expenses as under:

3.5.1 Employee Costs

- In the Tariff Order for FY 2022-23, the Hon'ble Commission had approved employee costs of Rs. 594.45 Crore for Transmission and Rs. 9.64 Crore for SLDC.
- While reviewing the FY 2022-23, Hon'ble Commission revised the employee costs amounting to Rs. 751.04 Crore for Transmission and Rs. 12.33 Crores for SLDC in Tariff Order pronounced on dated 15.05.2023.

A. Terminal Benefits

- In Present Petition, Terminal Liabilities on actual basis have been considered. The following table shows the actual amount of Terminal Benefits for FY 2022-23.


Table 16: Employee Terminal Benefits for FY 2022-23 (Rs. crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Share of Pension, Gratuity and Medical	490.19	0.00	490.19
2	Share of Leave Encashment	23.37	0.00	23.37
3	NPS CPF, PF, LWF	14.46	0.45	14.91
4	Miscellaneous - PF inspection fees, solatium, Momento etc.	0.30	0.00	0.30
5	Gratuity & Leave Encashment Paid to Employee's Recruited by PSTCL	0.15	0.00	0.15
6	Total Employee Terminal Benefits Cost	528.46	0.45	528.91
7	Add: Additional Share of Pension etc intimated by PSPCL after finalization of accounts	0.05	0.00	0.05
8	Less: Additional Share of Pension already claimed in True up of FY 2021-22	11.01	0.00	11.01
9	Total Employee Terminal Benefits Cost	517.50	0.45	517.95

B. Additional Employee Cost

PSTCL further requests the Hon'ble Commission to allow the following expenditure additionally: -

- As 220 KV S/s Bathinda was taken over by PSTCL from PSPCL on October 1, 2021, During FY 2021-22, employee cost of 220 KV S/s Bathinda was claimed for six months only i.e., from October 2021 to March 2022 on actual Basis. Therefore, Baseline Values without the impact of employee cost of 220 KV S/s Bathinda has been considered. For FY 2022-23, employee cost of 220 KV S/s Bathinda amounting Rs. 1.03 crore has been claimed separately by PSTCL after considering the revised pay scales.
- PSTCL has Commissioned 400 KV Substation at Bahaman Jassa Singh in March 2022. Thus, its employee cost was not included in baseline expenditure thus it has been claimed separately by PSTCL during FY 2022-23 amounting to Rs. 2.10crores.



- 400 KV S/s Dhanansu Commissioned in March, 2023. Therefore, PSTCL claims the employee cost of Rs. 0.15 crore for one month i.e. March 2023 only for the sub-station.
- Huge vacancies are lying in PSTCL. During the FY 2022-23, PSTCL has recruited some new employee's, whose costs also is not included in baseline expenses. Therefore, PSTCL additionally claims the employee cost amounting Rs. 21.85 crore for newly recruited employees.
- PSTCL would also like to submit that it has already considered the additional Impact of pay revision in FY 2021-22 for 50% employees from 01.07.2021 to 31.03.2022 (for 9 months only) of Rs. 14.89 Crore. The impact of Pay revision in FY 2022-23 amounting Rs. 42.78 crore has been considered after indexation for 100% employees for full year.
- In addition, Impact of Pay revision of rest of employee (50% employees) not paid during FY 2021-22 for 9 months amounting Rs. 14.89 crore has also been considered in FY 2022-23.
- **The above figure does not include the impact of pay revision arrears which will be claimed according to the Punjab government's notification to be issued for this purpose.**

The impact of above facts is as per following table: -

Table 17: Additional Employee Cost for Extra-ordinary items FY 2022-23 (Rs. crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Employee Cost for New Recruitment	21.85	0.00	21.85
2	Impact of Pay Revision	54.06	3.61	57.67
3	Indexed Employee Cost for 220 KV S/s Bathinda transferred from PSPCL to PSTCL (Not included in Base Expenses)	1.03	0.00	1.03
4	Employee Cost for 400 KV S/s Bahaman Jassa Singh (New)	2.10	0.00	2.10
5	Employee Cost for 400 KV S/s Dhanansu (For 1 month)	0.18	0.00	0.18
6	Additional Employee Cost for extra-ordinary items	79.22	3.61	82.83

C. Other Employee Cost

- For Calculation of Indexation during FY 2022-23, PSTCL has considered the month wise data of Wholesale Price Index (All Commodity) Base year 2011-12

and Consumer Price Index (Industrial Workers) Base year 2016 as disclosed by Government of India on its official websites, which is as follows: -

Table 18: Calculation of Index of FY 2022-23

Sr No.	Particulars	FY 2021-22	FY 2022-23	Increase (%)
1	CPI (Month Wise Average)	123.63	131.12	6.05%
2	WPI (Month Wise Average)	139.41	152.53	9.41%
3	Index (CPI: WPI: 50:50)	-	-	7.73%

- PSTCL has considered the base figures of FY 2021-22 as approved by Hon'ble Commission in Tariff Order dated 15.05.2023 for calculating other employee expenses of FY 2022-23.
- The Petitioner has considered the computation of Normative Employee cost on the basis of net amount after adjustment of expenses capitalised instead of gross amount in line with the approach adopted by the Hon'ble Commission without prejudice to the outcome of appeals filed by PSTCL with the Hon'ble APTEL. The effect of the same may be considered by the Hon'ble Commission if the matter is ruled in favour of PSTCL.

Table 19: Normative Other Employee Cost for FY 2022-23 (Rs. crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Net Other Employee Cost approved for FY 2021-22 (Baseline Expenses)	214.8	7.88	222.68
2	Escalation Factor (CPI: WPI: 50:50)	7.73%	7.73%	
3	Net Other Employee Cost for FY 2022-23	231.41	8.49	239.90
4	Additional Employee Cost for extraordinary items (Table no. 17)	79.22	3.61	82.83
5	Total Other Employee Cost for FY 2022-23	310.63	12.10	322.72
6	Total Employee Terminal Benefits Cost	517.50	0.45	517.95
7	Normative Employee Cost for FY 2022-23	828.13	12.55	840.68

3.5.2 Computation of Normative A&G Expenses

- The Hon'ble Commission in its Tariff Order dated March 31, 2022, approved A&G Expenses of Rs. 32.02 Crore for Transmission business and Rs. 0.96 Crore for SLDC for FY 2022-23.



- In the APR for FY 2022-23, Hon'ble Commission had approved the A&G Expenses as Rs 32.13 Crore for Transmission and Rs 0.95 Crore for SLDC for FY 2022-23.
- In present petition, The Petitioner has also claimed additional A & G expense on account of asset addition during the year as per MYT Regulations, 2019. For calculation of additional A & G expenses, PSTCL calculates the %age of A&G expenses with GFA for FY 2021-22 for baseline values.

Table 20: Calculation of %age of A&G expenses with GFA (Rs. crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Opening GFA as on 01.04.2021	10287.61	28.63	10316.24
2	Add: Addition to GFA during FY 2021-22	398.71	0.30	399.01
3	Less: Retirement to GFA during FY 2021-22	30.81	0.04	30.86
4	Closing GFA (Including Land) as on 31.03.2022	10655.50	28.89	10684.39
5	Average GFA for FY 2021-22	10471.55	28.76	10500.31
6	Actual A & G expenditure for 2021-22	24.93	0.59	25.52
7	%age of A&G w.r.t GFA	0.238%	2.046%	

Table 21: Normative A & G Expenses for FY 2022-23 (Rs. crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Net Asset added during FY 2022-23	240.12	4.98	245.11
2	%Age of A&G w.r.t GFA	0.238%	2.046%	
3	Base A & G Expenses approved for FY 2021-22	29.01	0.88	29.89
4	Escalation Factor (CPI: WPI: 50:50)	0.08	0.08	
5	Escalated A&G expenses for FY 2022-23	31.25	0.95	32.20
6	Add: Additional A&G expenses on account of asset addition during FY 2022-23.	0.57	0.10	0.67
7	Add: Audit fee (76.122)	0.05	0.00	0.05
8	Add: License & Petition fee (76.129)	0.55	0.00	0.55
9	Normative A&G Expenses	32.43	1.05	33.48

3.5.3 Computation of Normative R & M Expenses

- The Hon'ble Commission in its Tariff Order dated March 31, 2022, approved R&M Expenses of Rs. 43.18 Crore for Transmission business and Rs. 1.39 Crore for SLDC for FY 2022-23.

- In the APR for FY 2022-23, Hon'ble Commission had approved the A&G Expenses as Rs.36.56 Crore for Transmission and Rs 0.86 Crore for SLDC for FY 2022-23.
- In this Petition, for computation of Normative R&M expenses, PSTCL has considered the "K" Factor as determined by the Hon'ble Commission and which is constant for 2nd Control Period as per PSERC MYT Regulations, 2019.
- Accordingly, the R&M expenses for FY 2022-23 are submitted as under: -

Table 22: Normative R & M Expenses for FY 2022-23 (Rs. crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Opening GFA as on 01.04.2022	10655.50	28.89	10684.39
2	Add: Addition to GFA during FY 2022-23	259.83	4.99	264.82
3	Less: Retirement to GFA during FY 2022-23	19.70	0.00	19.71
4	Closing GFA (Including Land) as on 31.03.2023	10895.62	33.87	10929.50
5	Average GFA for FY 2022-23	10775.56	31.38	10806.94
6	K - Factor (Determined by PSERC)	0.303%	2.323%	
7	Escalation Factor (WPI Index)	9.41%	9.41%	
8	Normative R & M Expenses for FY 2022-23	35.72	0.80	36.52

3.5.4 Total Operational & Maintenance Expenses

The Petitioner submits the normative O&M Expenses for FY 2022-23 are as per table below:

Table 23: Normative O & M Expenses for FY 2022-23 (Rs Crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Employee Expenses	828.13	12.55	840.68
2	A&G Expenses	32.43	1.05	33.48
3	R&M Expenses	35.72	0.80	36.52
4	Total Normative O & M Expenses	896.28	14.39	910.67

PSTCL requests the Hon'ble Commission to approve the Normative O&M expenses of Rs. 896.28 Crore for STU and Rs. 14.39 crore SLDC for FY 2022-23 as PSERC MYT Regulations, 2019.



3.6 Funding of Capital Expenditure

- As detailed at para 2.4 of this petition, the funding requirement of Capital Expenditure of PSTCL for FY 2022-23 is as under: -
- PSTCL submits that funding requirement consists of Capital Expenditure of Spill over Schemes from 1st MYT Control Period i.e., from 2017-18 to FY 2019-20 and Capitalization of New Schemes i.e., Schemes of 2nd Control Period i.e. starts from 01.04.2020.
- Thus, during FY 2022-23, funding requirement for Transmission Business is Rs. 274.33 Crore (Rs. 139.98 Crore for Capital Expenditure of Spill over schemes, Rs. 121.40 Crore for Capitalization of New Schemes and Rs. 12.95 Crore for Directly Capitalized Asset). Funding requirement for Capital Investment for SLDC Business is Rs. 5.27 Crore (Rs. 0.38 Crore for Capital Expenditure of Spill over schemes, Rs. 4.88 Crore for Capitalization of New Schemes and Rs. 0.01 Crore for Directly Capitalized Asset). Thus, the total funding for Capital Investment for PSTCL as a whole is Rs. 279.60 Crore during FY 2022-23.
- Following Table shows the Capital Investment claimed by PSTCL for funding through loans and equity for Transmission and SLDC for FY 2022-23: -

Table 24: Actual Funding Requirement for FY 2022-23 (Rs. Crore)

Sr. No.	Particulars		2022-23		
			STU	SLDC	PSTCL
1	CAPEX of Spill over Schemes	Total Funding Required	139.98	0.38	140.36
2		Funding through Equity	41.99	-	41.99
3		Funding through Loan	97.98	0.38	98.36
4	New Schemes Including Directly Added Assets	Capitalization of New Works	121.40	4.88	126.28
5		Add: Directly Added Assets	12.95	0.01	12.96
6		Total Funding Required	134.35	4.89	139.24
7		Funding through Equity	40.31	-	40.31
8		Funding through Loan	94.05	4.89	98.93
9	Total Funding Required for Investment	Total Funding Required	274.33	5.27	279.60
10		Funding through Equity	82.30	-	82.30
11		Funding through Loan	192.03	5.27	197.30

3.7 Depreciation

- Regulation 21 of the PSERC MYT Regulations, 2019, provides for computation of Depreciation for each year of the Control Period. The Hon'ble Commission approved the Depreciation charges of Rs. 327.40 Crore for Transmission Business and Rs. 2.46 Crore for SLDC in ARR for FY 2022-23.
- In APR for FY 2022-23, Hon'ble Commission has revised the Depreciation charges of Rs. 313.13 Crore for Transmission Business and Rs. 2.04 Crore for SLDC.
- PSTCL has been charging Depreciation in Audited Accounts of FY 2022-23 in line with the methodology specified in Regulation 21 of the PSERC MYT Regulations, 2019, as amended from time to time.
- Accordingly, for the purpose of True-up of FY 2022-23, the Petitioner submits the details of depreciation as per the annual audited accounts for FY 2022-23, after excluding depreciation towards impairment loss. PSTCL has also not considered any Depreciation on account of assets funded through Contributory Works and works under PSDF Scheme in FY 2022-23.

Table 25: Calculation of Rate of Depreciation for FY 2022-23 (Rs. crore)

Sr. No.	Particulars	2022-23		
		STU	SLDC	PSTCL
1	Opening GFA (Excluding Land and Land Rights) & (Excluding Contribution & Govt. Grant)	7476.11	24.14	7500.25
2	Add: Addition to GFA (Excluding Contributory & PSDF)	224.91	4.89	229.80
3	Less: Retirement to GFA	19.71	0.00	19.71
4	Less: Addition of Land during the Year	3.39	0.00	3.39
5	Closing GFA (Excluding Land and Land Rights) & (Excluding Contribution & Govt. Grant)	7677.93	29.03	7706.96
6	Average GFA	7577.02	26.59	7603.61
7	Depreciation during the year (Audited Figure)	312.11	2.16	314.27
8	Depreciation (% of Average)	4.12%	8.12%	

- PSTCL has segregated the depreciation on assets created from Spill over schemes and New Schemes for the purpose of segregating repayments of

loan for different schemes using the average rate of depreciation calculated as above.

- Average GFA for Spill over Schemes and New Schemes has been considered on the basis of Capitalization of different schemes as discussed earlier in Capital Expenditure and Capitalization for 2nd Control period. Following tables shows the segregated depreciation of spill over schemes and New Schemes: -

Table 26: Depreciation for Spill over Schemes for FY 2022-23 (Rs. crore)

Sr. No.	Particulars	2022-23		
		STU	SLDC	PSTCL
1	Opening GFA (Excluding Land and Land Rights) & (Excluding Contribution & Govt. Grant)	7353.13	23.89	7377.02
2	Add: Addition to GFA	90.56	0.00	90.56
3	Less: Retirement to GFA	19.71	0.00	19.71
4	Less: Addition of Land during the Year	0.00	0.00	0.00
5	Closing GFA (Excluding Land and Land Rights) & (Excluding Contribution & Govt. Grant)	7423.98	23.89	7447.87
6	Average GFA	7388.56	23.89	7412.44
7	Depreciation (% of Average)	4.12%	8.12%	
8	Depreciation during the year	304.35	1.94	306.29

Table 27: Depreciation for New Schemes for FY 2022-23 (Rs. crore)

Sr. No.	Particulars	2022-23		
		STU	SLDC	PSTCL
1	Opening GFA (Excluding Land and Land Rights) & (Excluding Contribution & Govt. Grant)	122.98	0.26	123.24
2	Add: Addition to GFA	134.35	4.89	139.24
3	Less: Retirement to GFA	0.00	0.00	0.00
4	Less: Addition of Land during the Year	3.39	0.00	3.39
5	Closing GFA (Excluding Land and Land Rights) & (Excluding Contribution & Govt. Grant)	253.94	5.15	259.09
6	Average GFA	188.46	2.70	191.16
7	Depreciation (% of Average)	4.12%	8.12%	
8	Depreciation during the year	7.76	0.22	7.98

PSTCL requests the Hon'ble Commission to approve the Depreciation of Rs. 312.11 Crore for STU and Rs. 2.16 crore SLDC for FY 2022-23 as PSERC MYT Regulations, 2019 based on the audited accounts for FY 2022-23.

3.8 Interest Charges

Regulation 24 of the PSERC MYT Regulations, 2019, specifies as under:

"24. INTEREST ON LOAN CAPITAL

24.1. For existing loan capital, interest and finance charges on loan capital shall be computed on the outstanding loans, duly taking into account the actual rate of interest and the schedule of repayment as per the terms and conditions of relevant agreements. The rate of interest shall be the actual rate of interest paid/payable (other than working capital loans) on loans by the licensee or the State Bank of India Advance Rate as on April 1 of the relevant year, whichever is less.

24.2. Interest and finance charges on the actual loan capital for new investments shall be computed on the loans, duly taking into account the actual rate of interest and the schedule of repayment as per the terms and conditions of relevant agreements. The rate of interest shall be the actual rate of interest paid/payable (other than working capital loans) on loans by the licensee or the State Bank of India Advance Rate as on April 1 of the relevant year, whichever is less.

24.3. The repayment for each year of the tariff period shall be deemed to be equal to the depreciation allowed for the corresponding year. In case of de-capitalisation of assets, the repayment shall be adjusted by taking into account cumulative depreciation made to the extent of de-capitalisation.

24.4. The Commission shall allow obligatory taxes on interest, finance charges (including guarantee fee payable to the Government) and any exchange rate difference arising from foreign currency borrowings, as finance cost.

24.5. The interest on excess equity treated as loan shall be serviced at the weighted average interest rate of actual loan taken from the lenders."

- Hon'ble Commission in Tariff Order for FY 2022-23 had approved the Interest Charges of Rs. 341.58 Crore for Transmission business and Rs. 2.58 Crore for SLDC for FY 2022-23.
- Further, in APR of FY 2022-23, the Hon'ble Commission approved the Interest Charges of Rs. 284.72 Crore for Transmission business and Rs. 1.29 Crore for SLDC.
- For the purpose of the true-up for FY 2022-23, PSTCL has considered the opening balance of loan equal to the closing balance of loans for FY 2021-22 as

discussed in previous chapter of this petition with revised funding position as per MYT Regulations, 2019.

- Calculation of weighted average rate of interest on long-term loans of Transmission Business and SLDC Business for FY 2022-23 are shown in the following table.

Table 28: Calculation of ROI Capital Loans for FY 2022-23

Sr No.	Source	Avg. ROI
1	REC	8.69
2	PFC	8.93
3	NABARD	9.13
4	PFC-495.57	8.67
5	Weighted Average for STU	8.71
6	REC SLDC	8.38

- PSTCL has considered addition of loans of Rs. 192.03 Crore for STU and Rs. 5.27 crore for SLDC as discussed previously in True up of Capital Expenditure. Out of Rs. 192.03 Crore of STU Rs. 94.05 crore additions is on account of New Schemes and Rs. 97.98 crore is on account of Spill over Schemes. Loan Addition of Rs. 5.27 crore of SLDC includes 4.89 crore on account of New Schemes and Rs. 0.38 crore is on account of Spill over Schemes.
- The Petitioner has considered the repayment of loan equivalent to depreciation claimed above as per Audited Accounts for FY 2022-23 without subtracting the depreciation on assets commissioned before 16.04.2010 in line with the approach adopted by the Hon'ble Commission without prejudice to the outcome of appeals filed by PSTCL with the Hon'ble APTEL. The effect of the same may be considered by the Hon'ble Commission if the matter is ruled in favour of PSTCL.
- PSTCL has considered the loan segregation for Spill over Schemes and New Schemes as per the funding requirement of PSTCL discussed previously. Following tables shows the calculation of Interest Charges for Spill over Schemes and New Schemes.

Table 29: Interest on Loan for Spill Over Schemes (Rs. crore)

Sr. No.	Particulars	FY 2022-23		
		STU	SLDC	PSTCL
1	Opening Balance	3,117.09	12.18	3,129.27
2	Add: Addition during the year	97.98	0.38	98.36
3	Less: Repayment during the year	304.35	1.94	306.29
4	Closing Balance	2,910.72	10.62	2,921.34
5	Average Loan for the year	3,013.91	11.40	3,025.31
6	Interest Rate	8.71%	8.38%	-
7	Interest Charges for the year	262.51	0.96	263.47

Table 30: Interest on Loan for New Schemes (Rs. crore)

Sr. No.	Particulars	FY 2022-23		
		STU	SLDC	PSTCL
1	Opening Balance	83.17	0.25	83.41
2	Add: Addition during the year	94.05	4.89	98.93
3	Less: Repayment during the year	7.76	0.22	7.98
4	Closing Balance	169.45	4.91	174.36
5	Average Loan for the year	126.31	2.58	128.89
6	Interest Rate	8.71%	8.38%	-
7	Interest Charges for the year	11.00	0.22	11.22

- In addition to the above loans for Transmission Business, PSTCL has considered GPF liability outstanding during FY 2022-23. The interest amount considered on GPF is the actual interest paid during the year.
- PSTCL has considered capitalisation of interest charges of Rs. 7.03 Crore instead of Rs. 19.17 crore only for the Spill over CAPEX of Rs. 140.36 crore during FY 2022-23 rather than total Capital Expenditure incurred Rs. 382.58 crore during FY 2022-23.
- PSTCL has also paid Miscellaneous Finance Charges during the FY 2022-23. PSTCL has also capitalize the interest paid during the year.

Calculation of Interest Charges for all schemes for FY 2022-23 is as follows: -



Table 31: Interest on Loan for All Schemes

(Rs. crore)

Sr. No.	Particulars	FY 2022-23		
		STU	SLDC	PSTCL
1	Opening Balance	3,200.26	12.42	3,212.68
2	Add: Addition during the year	192.03	5.27	197.30
3	Less: Repayment during the year	312.11	2.16	314.27
4	Closing Balance	3,080.17	15.53	3,095.71
5	Average Loan for the year	3,140.21	13.98	3,154.19
6	Interest Rate	8.71%	8.38%	-
7	Interest Charges for the year (Table no. 29 + 30)	273.51	1.17	274.68
8	Add: Interest on GP Fund	0.97	-	0.97
9	Add: Misc & Finance Charges	0.28	-	0.28
10	Less: Interest Capitalized	7.03	-	7.03
11	Normative Interest & Finance Charges	267.73	1.17	268.90

PSTCL requests the Hon'ble Commission to approve the Interest Charges of Rs. 267.73 Crore for STU and Rs. 1.17 crore SLDC for FY 2022-23 as PSERC MYT Regulations, 2019.

3.9 Interest on Working Capital

Regulation 51 of the PSERC MYT Regulations, 2019, specifies as under:

"51. INTEREST ON WORKING CAPITAL

51.1 Components of Working Capital

The Working Capital shall cover the following:

- i. O&M Expenses for 1 month;
- ii. Maintenance spares @ 15% of the O&M expenses;
- iii. Receivable's equivalent to two (2) months of fixed cost calculated on normative target availability.

51.2 Rate of Interest

The rate of interest on working capital shall be as per regulation 25.1.

Regulation 25.1 of the PSERC MYT Regulations, 2019, specifies as under:

"25. RATE OF INTEREST ON WORKING CAPITAL & SECURITY DEPOSIT

25.1 The rate of interest on working capital shall be equal to the actual rate of interest paid on working capital loans by the Licensee/Generating Company/SLDC or the one (1) Year State Bank of India (SBI) MCLR / any

replacement thereof as notified by RBI as may be applicable as on 1st April of the relevant year plus 350 basis points, whichever is lower. The interest on working capital shall be payable on normative basis notwithstanding that the Licensee/Generating Company/SLDC has not taken working capital loan from any outside agency or has exceeded the working capital loan amount worked out on the normative figures.

- Hon'ble Commission in Tariff Order for FY 2022-23 approved the Interest on Working Capital as Rs. 38.40 Crore for Transmission business and Rs. 0.70 Crore for SLDC.
- Further, Hon'ble Commission, in APR of FY 2022-23, had approved the Interest on Working Capital of Rs. 35.90 Crore for Transmission business and Rs. 0.62 Crore for SLDC.
- For the purpose of True-up, the Petitioner has computed the Interest on Working Capital as per the provisions of PSERC MYT Regulations, 2019. The Petitioner has considered the actual weighted average rate of interest for Working Capital loans for Transmission business and SLDC. The computation of Rate of Interest on Working Capital Loans is submitted in the following table:

Table 32: Calculation of Working capital loan ROI for FY 2022-23 (Rs. Crore)

Sr No.	Source of Loan	Opening Balance	Repayment	Addition	Closing Balance	Interest Cost
1	SBI-300	179.59	75.41	-	104.18	11.01
2	BOI-100	9.27	9.27	-	-	0.25
3	BOI-250	54.37	34.15	-	20.22	3.44
4	SBI-20	1.1	1.1	-	-	0.01
5	SBI CC	156.39	0	109.09	265.48	15.62
6	PFC-500	349.99	71.43	-	278.56	27.04
7	UCO-250	250	62.52	-	187.48	16.1
8	IREDA 300	230	120	-	110	15.13
9	REC-450	-	-	190	190	8.96
10	PFC-100	-	-	100	100	2.25
11	REC-100	100	100	0	0	3.22

Table 32: Calculation of Working capital loan ROI for FY 2022-23 (Rs. Crore)

Sr No.	Source of Loan	Opening Balance	Repayment	Addition	Closing Balance	Interest Cost
12	PFC-100	100	100	0	0	4.63
13	Total	1430.71	573.88	399.09	1255.92	107.66
14	Average Loan					1343.315
15	Rate of Interest					8.01%

- The one (1) Year State Bank of India (SBI) MCLR rate plus 350 basis point as on 1st April, 2022 is 10.5% (7% + 3.5%). PSTCL has applied the lower of above two i.e., 8.01%. The calculation of Interest on Working Capital is as follows:

Table 33: Normative Interest on Working Capital for FY 2022-23 (Rs. Crore)

Sr. No.	Particulars	2022-23		
		STU	SLDC	PSTCL
1	Receivables equivalent to two (2) months of fixed cost calculated on normative target availability	268.95	5.09	274.04
2	Maintenance Spares @ 15% of O&M expenses	134.44	2.16	136.60
3	Operation & Maintenance expenses for 1 (One) Month	74.69	1.20	75.89
4	Total Working Capital (Normative)	478.08	8.45	486.53
5	Rate of Interest applied (As per Norms)	8.01%	8.01%	
6	Normative Interest on Working Capital	38.29	0.68	38.97

PSTCL requests the Hon'ble Commission to approve the Normative Interest on Working Capital of Rs. 38.29 Crore for STU and Rs. 0.68 crore SLDC for FY 2022-23 as PSERC MYT Regulations, 2019.

3.10 ULDC Charges

- Hon'ble Commission, in Tariff Order for FY 2022-23, had approved the ULDC charges of Rs. 9.80 Crore for FY 2022-23 for SLDC.
- Further, Hon'ble Commission, in APR of FY 2022-23, approved the ULDC Charges of Rs. 8.88 Crore for FY 2022-23 for SLDC.

- Petitioner submits the actual Unified Load Dispatch Centre (ULDC) Charges based on Audited Accounts as shown in the following Table: -

Table 34: ULDC Charges for FY 2022-23 (Rs. Crore)

Sr. No.	Particulars	STU	SLDC	PSTCL
1	ULDC Charges - SLDC own Share	-	5.68	5.68
2	ULDC Charges - BBMB Share	-	2.12	2.12
3	NRLDC fees and Charges	-	4.72	4.72
	Total	-	12.52	12.52

PSTCL requests the Hon'ble Commission to approve the ULDC Charges of Rs. 12.52 Crore for SLDC for FY 2022-23 as PSERC MYT Regulations, 2019 based on Audited Accounts of PSTCL.

3.11 Return on Equity

Regulation 20 of the PSERC MYT Regulations, 2019, specifies as under:

"20. RETURN ON EQUITY

Return on Equity shall be computed at the rate of 15.5% on the paid up equity capital determined in accordance with regulation 19:

Provided that assets funded by consumer contributions, capital subsidies/Govt. grants shall not form part of the capital base for the purpose of calculation of Return on Equity."

- Hon'ble Commission in Tariff Order for FY 2022-23 had approved the Return on Equity of Rs. 112.59 Crore for FY 2022-23.
- Further, Hon'ble Commission, in APR of FY 2022-23, has approved the Return on Equity of Rs. 134.65 Crore for PSTCL.
- PSTCL has booked the profit of Rs. 100.90 crore as per Audited Accounts for FY 2022-23. Further, PSTCL submits that it has partly funded the Capital Expenditure (30% for Capital Expenditure) through equity infusion in FY 2022-23, by reinvesting Rs. 82.30 crore in FY 2022-23. Thus, equity addition has been considered as Rs. 82.30 crore as discussed in earlier Section of this Chapter.
- For the purpose of calculating Return on Equity for FY 2022-23, Opening Balance of ROE has been considered on the basis of Revised funding for 2nd



Control Period as already discussed in Previous Chapter – True up of Capital Expenditure for 2nd Control Period.

- The computation of normative ROE for FY 2022-23 is submitted in the following table: -

Table 35: Return on Equity for PSTCL for FY 2022-23 (Rs. crore)

Sr No.	Particulars	FY 2022-23
1	Equity at the opening of Year	807.19
2	Addition During the Year	82.30
4	Equity at the Closing of Year	889.49
5	Average Equity during the Year	848.34
6	Rate for Return on Equity	15.50%
7	Return on Equity	131.49

3.12 Other Expenses

- PSTCL has considered the other debits of Rs. 1.23 Crore for FY 2022-23 on account of Sundry debits written off as per Note 40 of Audited accounts of FY 2022-23.
- Other Provisions for losses and doubtful debts has not been considered.

PSTCL requests the Hon'ble Commission to approve Other Expenses of Rs. 1.23 Crore.

3.13 Revenue from Open Access Customers

PSTCL has Claimed a receipt of Transmission Charges of Rs. 4.22 crore and SLDC Charges of Rs. 0.12 crore from Open Access Customers based on Audited Accounts of PSTCL for FY 2022-23, details are as follows: -

Table 36: Revenue from Open Access Customer during FY 2022-23 (Rs. Crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Transmission Charges from Railways - LTA	4.19	0.08	4.27
2	Transmission Charges from PSPCL (M/s Winsome Yarns Ltd - MTOA)	0.01	0.04	0.05

Table 36: Revenue from Open Access Customer during FY 2022-23 (Rs. Crore)

Sr No.	Particulars	STU	SLDC	PSTCL
3	Transmission Charges from PSPCL (M/s Nahar Sugar - STOA)	0.01	0.00	0.01
4	Transmission Charges from Others	0.01	0.00	0.01
5	Total (G..H - 61.830)	4.22	0.12	4.34

PSTCL requests the Hon'ble Commission to approve the Open Access Charges of Rs. 4.22 Crore for STU and Rs. 0.12 crore SLDC for FY 2022-23 as PSERC MYT Regulations, 2019.

3.14 Non-Tariff Income

Regulation 28 of the PSERC MYT Regulations, 2019, specifies as under:

"28. NON-TARIFF INCOME

28.1. Following components of income shall be treated as non-tariff income for the generation, transmission and distribution business, as applicable:

- a. Meter/metering equipment/service line rentals;*
- b. Service charges;*
- c. Customer charges;*
- d. Net revenue from late payment surcharge (late payment surcharge less financing cost of late payment surcharge);*
- e. Miscellaneous charges (except PLEC charges);*
- f. Incentives from CGSs;*
- g. Miscellaneous receipts;*
- h. Interest on advances to suppliers/contractors;*
- i. Interest on staff loans and advances;*
- j. Income from trading;*
- k. Income from staff welfare activities;*
- l. Excess found on physical verification;*
- m. Interest on investments, fixed and call deposits and bank balances;*
- n. Net recovery from penalty on coal liaison agents;*
- o. Prior period income;*



p. Income from open access charges i.e., application fee, cross subsidy surcharge, additional surcharge, transmission and/or wheeling charges, scheduling charges etc.;

q. Any other income not included above. Provided that only 50% of the „rebate for timely payment of power purchase“ received by the licensee shall be considered as non-tariff income.

28.2. The Applicant shall submit full details of its forecast of non-tariff income to the Commission as a part of ARR filing

28.3. The amount received by the Applicant on account of non-tariff Income shall be deducted from the aggregate revenue requirement in calculating the net aggregate revenue requirement of Applicant's business."

- In Tariff Order for FY 2022-23, Hon'ble Commission has approved the Non-tariff Income of Rs. 35.58 Crore for Transmission business and Rs. 0.35 Crore for SLDC.
- Further, in APR of FY 2022-23, the Hon'ble Commission, had approved the Non-tariff Income of Rs. 35.57 Crore for Transmission and Rs. 0.23 Crore for SLDC.
- For the purpose of True-up for FY 2022-23, the Petitioner has considered the non-tariff income as indicated in Note 33 of audited accounts. The Petitioner has not considered the income towards the certain heads wherein expenses were not allowed by Hon'ble Commission in previous Tariff Orders.
- Income of Rs. 2.44 Crore towards interest received on refund of income tax has not been considered because Hon'ble Commission neither allowed expenses under the head of Income Tax nor interest on amount deducted as TDS.
- Income of Rs. 0.84 Crore towards provision withdrawn on unserviceable / obsolete items and losses under investigation.
- PSTCL has earned DPS of Rs. 3.10 crore for late Payment Charges. PSTCL also considered the adjustment of Rs. 2.05 crore of financing cost on Late Payment. Thus, Net Income from Late Payment Surcharges is Rs. 1.05 crore.
- PSTCL has earned rebate on early payment of NRLDC Charges of Rs. 0.19 crore. PSTCL also considered the adjustment of Rs. 0.11 crore of financing cost borne due to early payment. Thus, Net Income from Rebate on early payment is Rs. 0.08 crore.
- PSTCL has not considered the amount of Rs. 0.04 crore for interest earned on fixed deposits reflected in Audited Accounts under Non-Tariff Income.

PSTCL would like to submit that income from interest on Fixed deposits are not actually earnings made on surplus amounts available with PSTCL, whereas these are Fixed deposits made so as to issue letter of credit for availing cash credit facility and cost of funds is more than the interest earned.

- In view of above, Petitioner submits NTI for FY 2022-23 as shown in following table: -

Table 37: Details of Non-Tariff Income for FY 2022-23 (Rs. Crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Income from sale of scrap	3.01	0.00	3.01
2	Gain on account of sale of fixed assets	5.34	0.00	5.34
3	Income from staff welfare activities	0.02	0.00	0.02
4	Rental for staff quarters	0.59	0.05	0.65
5	Penalty imposed on suppliers/contractors	8.83	0.06	8.89
6	NOC charges from Open access customers	0.07	0.06	0.13
7	Credit balances written back :			
7a	- Sundry creditors	0.08	0.00	0.08
7b	- EMD/Security Deposit	0.06	0.00	0.06
8	Departmental Charges on Contribution/Deposit Works	4.19	0.00	4.19
9	Oil Testing fees	0.50	0.00	0.50
10	Salary deposit - short period notice of resignation/retirement/surety bonds	0.35	0.00	0.35
11	Lease Rental fiber optic- PGCIL	0.35	0.00	0.35
12	Work appraisal fee	0.17	0.00	0.17
13	Net Late Payment Surcharge - PSPCL	1.05	0.00	1.05
13a	Late Payment Surcharge - PSPCL	3.09	0.01	
13b	<i>Less: Finance cost due to Late Payment of Transmission Charges</i>	2.04	0.01	
14	Net Rebate on early payment to NRLDC	0.00	0.08	0.08
14a	Rebate on early payment to NRLDC	0.00	0.19	
14b	<i>Less: Finance cost due to Late Payment of Transmission Charges</i>	0.00	0.11	
15	Income from O & M of bays of PGCIL	3.67	0.00	3.67
16	Miscellaneous Income *	0.94	0.00	0.94
17	Total	29.22	0.25	29.47



PSTCL requests the Hon'ble Commission to approve the Non-Tariff Income of Rs. 29.22 Crore for STU and Rs. 0.25 crore SLDC for FY 2022-23 as PSERC MYT Regulations, 2019.

3.15 Incentives on account of Transmission System Availability

- In accordance with PSERC MYT Regulations, 2019, the Petitioner is eligible for incentive for over-achieving the availability targets for transmission system availability which has been verified and certified by SLDC. As per PSERC MYT Regulations, 2019, the Normative Annual Transmission System Availability Factor (NATAF) for incentive computation has been considered as 99% provided that No incentive shall be payable for availability beyond 99.75%. The net transmission charges inclusive of incentive based on fixed charges for Transmission and computation of incentive are given as per the following table: -

Table 38: Incentives on account of TS Availability for FY 2022-23 (Rs. Crore)

Sr No.	Month	Transmission Availability	Max Incentive Available upto 99.75	Transmission Charges at NATAF	Transmission Charges Inclusive of Incentives	Incentives
1	Apr-22	99.7129%	99.7129%	132.63	133.59	0.96
2	May-22	99.6484%	99.6484%	137.05	137.95	0.90
3	Jun-22	99.9316%	99.7500%	132.63	133.64	1.00
4	Jul-22	99.8926%	99.7500%	137.05	138.09	1.04
5	Aug-22	99.9056%	99.7500%	137.05	138.09	1.04
6	Sep-22	99.8820%	99.7500%	132.63	133.64	1.00
7	Oct-22	99.8711%	99.7500%	137.05	138.09	1.04
8	Nov-22	99.9609%	99.7500%	132.63	133.64	1.00
9	Dec-22	99.4982%	99.4982%	137.05	137.74	0.69
10	Jan-23	99.8582%	99.7500%	137.05	138.09	1.04
11	Feb-23	99.8854%	99.7500%	123.79	124.73	0.94
12	Mar-23	99.9074%	99.7500%	137.05	138.09	1.04
				1613.70	1625.38	11.69

PSTCL requests the Hon'ble Commission to approve the Incentives on achieving the Target of Transmission System Availability of Rs. 11.69 Crore for FY 2022-23 as PSERC MYT Regulations, 2019.

3.16 Aggregate Revenue Requirement

After considering the expenses claimed for various components, Net ARR for Transmission and SLDC is summarised in the following table: -

[Handwritten signature]

Table 39: Annual Revenue Requirement of Transmission & SLDC Business for FY 2022-23 (Rs. Crore)

Sr. No	Particulars	Transmission			SLDC			PSTCL		
		Approved in ARR	Approved in APR	True up	Approved in ARR	Approved in APR	True up	Approved in ARR	Approved in APR	True up
a.	Employee Cost	594.45	751.04	828.13	9.64	12.33	12.55	604.09	763.37	840.68
b.	A & G Expenses	32.02	32.13	32.43	0.96	0.95	1.05	32.98	33.08	33.48
c.	R & M Expenses	43.18	36.56	35.72	1.39	0.86	0.80	44.57	37.42	36.52
1	O&M Expenses	669.65	819.73	896.28	11.99	14.14	14.39	681.64	833.87	910.67
2	Depreciation	327.40	313.13	312.11	2.46	2.04	2.16	329.86	315.17	314.27
3	Interest charges	341.58	284.72	267.73	2.58	1.29	1.17	344.16	286.01	268.90
4	Interest on W.C	38.40	35.90	38.29	0.70	0.62	0.68	39.10	36.52	38.97
5	ULDC Charges	0.00	0.00	0.00	9.80	8.88	12.52	9.80	8.88	12.52
6	Return on Equity	112.59	134.65	131.49	0.00	0.00	0.00	112.59	134.65	131.49
7	Other Debits			1.23			0.00			1.23
8	Gross ARR	1489.62	1588.13	1647.14	27.53	26.97	30.93	1517.15	1615.10	1678.06
9	Less: (i) NTI	35.58	35.57	29.22	0.35	0.23	0.25	35.93	35.80	29.47
10	Less: (ii) OA Charges	3.69	4.21	4.22	0.06	0.09	0.12	3.75	4.30	4.34
11	Net ARR	1450.35	1548.35	1613.70	27.12	26.65	30.56	1477.47	1575.00	1644.25
12	Add: Incentives TS Availability			11.69			0.00			11.69
13	Add: Incentives TS Loss			30.72			0.00			30.72
14	Total Revenue Requirement	1450.35	1548.35	1656.10	27.12	26.65	30.56	1477.47	1575.00	1686.66

3.17 Revenue Gap and its Recovery

- For the purpose of the present Petition, the Petitioner has computed the Revenue Gap for FY 2022-23 arising out of True-up as under
- Hon'ble Commission in Tariff Order for FY 2022-23 has approved Net ARR of Rs. 1450.35 crore for STU and Rs. 27.12 crore for SLDC for FY 2022-23. Further, Hon'ble Commission in Tariff Order for FY 2023-24, while reviewing the APR for FY 2022-23, revised the net ARR approved for FY 2022-23 as Rs. 1548.35 crore for STU and Rs. 26.65 crore for SLDC.
- The revenue gap of Rs. 97.53 (1575 - 1477.47) Crore was already considered by Hon'ble Commission in order dated 15.05.2023 and allowed to recover during FY 2023-24. Revenue Gap/(Surplus) for FY 2022-23 after considering various components in True up is as below: -

Table 40: Revenue Gap/(Surplus) for FY 2022-23 (Rs. Crore)

Sr No.	Particulars	Working
1	Net ARR after True up for FY 2022-23	1686.66
2	Less: Net ARR Approved in Tariff Order dated 31.03.2022	1477.47
3	Revenue Gap after True-up of FY 2022-23	209.19
4	Less: Revenue Gap already allowed in APR for FY 2022-23 in order dated 15.05.2023	97.53
5	Balance Revenue Gap to be allowed to recover	111.66

- However, the carrying cost for the above gap was not considered by Hon'ble Commission in order dated 15.05.2023. Hence, the Petitioner has computed the cumulative revenue gap for FY 2022-23 after considering the fact that revenue gap of Rs. 97.53 crore has already been recovered during FY 2023-24. Summary of Cumulative revenue gap and its carrying cost is summarized in following table:

Table 41: Carrying Cost on Revenue Gap for FY 2022-23 (Rs. Crore)

Sr No.	Particulars	Working	PSTCL
1	For FY 2022-23 (for six months on 209.19 crore)	(209.19 * 8.01%)	8.38
2	For FY 2023-24 (for full year on 209.19 crore)	(209.19 * 8.01%)	16.76

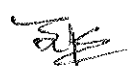


Table 41: Carrying Cost on Revenue Gap for FY 2022-23 (Rs. Crore)

Sr No.	Particulars	Working	PSTCL
3	For FY 2024-25 (for six months on 111.66 crore)	(111.66 * 8.01%) / 2	4.47
4	Less: Carrying Cost for FY 2023-24 (for six months on 97.53 crore) (as already recovered during FY 2023-24)	(97.53 * 8.01%) / 2	3.91
5	Total Carrying Cost		25.70

Table 42: Total Revenue Gap of CAPEX & ARR for FY 2022-23 (Rs. Crore)

Sr No.	Particulars	PSTCL
1	Revenue Gap after True-up of FY 2022-23 (Table no. 40)	111.66
2	Carrying Cost on Revenue Gap of FY 2022-23 (Table no. 41)	25.70
3	Revenue Gap of True up of CAPEX along with Carrying Cost (Table no. 10)	5.14
4	Total Impact of Revenue Gap including carrying cost	142.50

4 Revised ARR for FY 2024-25

4.1 Background

- The Hon'ble Commission in its MYT Order dated May15th, 2023 approved total Aggregate Revenue Requirement (ARR) for PSTCL of Rs. 1674.42 Crore, including Net ARR of Rs. 32.67 Crore for SLDC for FY 2024-25.
- In this Chapter, the Petitioner has submitted the revised ARR for FY 2024-25 as per provisions of PSERC MYT Regulations, 2022. PSTCL craves leave to make revised submission for projection. In revised submission PSTCL has considered the basis of past trends, regulatory norms and activity planned and proposed to be taken up for projecting the expenses.
- This Chapter has been prepared as per provisions of PSERC MYT Regulations, 2022. The deviation sought from the PSERC MYT Regulations, 2022 and its amendments has been specifically mentioned with the rationale and relaxation has been sought in accordance with the provisions of PSERC MYT Regulations, 2022 & its amendment.

4.2 Description of Transmission System

The details of the transmission system of PSTCL as on April 1, 2024 to March 31, 2025 are tabulated below:

Table 43: Transmission System of PSTCL during FY 2023-24 & 2024-25

Sr. No.	Particulars	Opening (As on 1 st April 2023)	Addition during FY 2023-24	Addition during FY 2024-25	Closing (As on 31 st March 2025)
Transmission Lines (Circuit-kms)					
1	400 kV	1,666.43	22.00	30.00	1,718.43
2	220 kV	7,925.30	103.00	118.00	8,146.30
3	132 kV	3,109.14	28.00	27.00	3,164.14
	Total	12,700.87	153.00	175.00	13,028.87
Substations (Nos.)					
1	400 kV	7	2	-	9
2	220 kV	103	4	5	112

Table 43: Transmission System of PSTCL during FY 2023-24 & 2024-25

Sr. No.	Particulars	Opening (As on 1 st April 2023)	Addition during FY 2023-24	Addition during FY 2024-25	Closing (As on 31 st March 2025)
3	132 kV	64	0	-	64
	Total	174	6	5	185
Transmission Substation Bays (Nos.)					
1	400 kV	89	10	21	120
2	220 kV	751	22	29	802
3	132 kV	529	4	4	537
	Total	1,369	36	54	1,459
Substation Capacity (MVA)					
1	Substation Capacity	41,231.17	2,680.00	2,880.00	46,791.17

4.3 Transmission System Availability

- As per historical trends, the Transmission System Availability of transmission network of PSTCL has always remained higher than target Availability of 99%.
- PSTCL submits that the availability of the network will be aligned to the normative limits set as per Regulation 51.1 of PSERC MYT Regulations, 2022.

4.4 Transmission Losses

- The impact of Transmission Losses will be claimed at the time of True up.

4.5 Capital Expenditure and Capitalisation

- PSTCL has considered the capital expenditure and capitalisation for its Transmission and SLDC Business in line with the Capital Investment Plan as approved by the Hon'ble Commission for 3rd Control Period in Petition No 50 of 2022 and subsequently capped by Hon'ble Commission up to Rs. 500 crores in Tariff Order for FY 2023-24. The capital expenditure and capitalisation for the FY 2024-25 is as under: -

Table 44: Revised Capital Investment for FY 2024-25 (Rs. crore)

Sr No.	Particulars	Approved in MYT	Revised ARR
Transmission			
I	Capital Expenditure	497.87	497.87
II	Capitalization	494.01	494.01
SLDC			
I	Capital Expenditure	2.13	2.13
II	Capitalization	5.99	5.99

It is also submitted here that above Capital Expenditure does not include the CAPEX towards Contributory works and works under Govt. Grants. The assets additions on account of such schemes/works shall be considered separately.

4.6 Funding of Capital Expenditure

- PSTCL submits that funding requirement consists of Capital Expenditure of Spill over Schemes from 1st MYT Control Period from 2017-18 to FY 2019-20 and Capitalization of New Schemes i.e., Schemes of 2nd Control Period i.e., starts from 01.04.2020.
- Following Table shows the Capital Investment claimed by PSTCL for funding through loans and equity for Transmission and SLDC for FY 2024-25: -

Table 45: Funding Requirement for Capital Investment for FY 2024-25 (Rs. crore)

Sr. No.	Particulars		FY 2024-25		
			STU	SLDC	PSTCL
1	CAPEX of Spill over Schemes of 1st Control Period	Total Funding Required	80.96	0.40	81.36
2		Funding through Equity	24.29	-	24.29
3		Funding through Loan	56.67	0.40	57.07
4	Capitalization of Schemes of 2nd and 3rd Control Period	Total Funding Required	447.60	5.59	453.19
5		Funding through Equity	134.28	-	134.28
6		Funding through Loan	313.32	5.59	318.91
7	Total Funding Required for Investment	Total Funding Required	528.56	5.99	534.55
8		Funding through Equity	158.57	-	158.57
9		Funding through Loan	369.99	5.99	375.98



4.7 Operation & Maintenance Expenses

Regulation 25 of PSERC MYT Regulations, 2022, provides for methodology for computation of normative O&M expenses. The relevant extracts of PSERC MYT Regulations, 2022 inter alia specifies as under:

"25.1. The O&M expenses for the nth year of the Control Period shall be approved based on the formula shown below:

$$O\&M_n = (R\&M_n + EMP_n + A\&G_n) \times (1 - X_n)$$

...

Note 1: The O&M expenses of BBMB for the entire Control Period shall be projected separately based on the latest actual payout. The Commission shall true-up the O&M expenses of BBMB during the Annual Performance Review based on the actual payout. The O&M expense of BBMB shall be treated as uncontrollable cost item. However, when CERC determines the tariff in respect of generating plants/units of BBMB, the Commission shall consider the same

Note 2: For the purpose of estimation, the same WPI_n and CPI_n values shall be used for all years of the Control Period. However, the Commission will consider the actual values of the WPI_n and CPI_n at the end of each year during the Annual Performance Review exercise and True-up the R&M Expenses, Employee Cost and A&G Expenses on account of this variation.

Note 3: O&M expense shall be allowed on normative basis or actual whichever is lower and shall be trued-up only to the account of variation in Wholesale Price Index and Consumer Price Index.

Note 4: Terminal Liabilities such as death-cum-retirement gratuity, Ex-Gratia, pension including family pension, commuted pension, leave encashment, LTC, medical reimbursement including fixed medical allowance in respect of the State PSU / Government pensioners will be approved as per the actuals paid by the Applicant.

Note 5: O&M expenses made on account of extraordinary situations (if any) shall be submitted to Commission for its approval. Such expenses shall be filed separately and will not be subjected to provisions of Regulation 30. The amount

approved by the Commission shall be tried up in the Annual Performance Review.

Note 6: Exceptional increase in employee cost on account of Pay Commission based revision for State PSU / Government employees will be considered separately by the Commission.

Note 7: Any expenditure on account of license fee, initial or renewal, fee for determination of tariff and audit fee shall be allowed on actual basis, over and above the A&G expenses approved by the Commission.

Note 8: O&M expenses of assets taken on lease/hire-purchase and those created out of the consumers' contribution shall be considered in case the Generating Company or the Licensee has the responsibility for its operation and maintenance and bears O&M expenses.

Note 9: With regard to unfunded past liabilities of pension and gratuity, the Commission will follow the principle of 'pay as you go'. The Commission shall not allow any other amount towards creating fund for meeting unfunded past liability of pension and gratuity.

Note 10: O&M expenses for gross fixed assets added during the year, if not accounted already, shall be considered from the date of commissioning on pro-rata basis.

(iii) X_n is an efficiency factor for nth year

The Value of X_n shall be determined by the Commission in its MYT order for the Control Period."

In view of above said Regulation, PSTCL makes its submission of Employee Costs, R&M and A&G Expenses as under:

4.7.1 Employee Costs

- In the MYT Order for 3rd Control Period dated 15.05.2023, the Hon'ble Commission had approved employee costs of Rs. 769.51 Crore for Transmission and Rs. 10.60 Crore for SLDC for FY 2024-25.

- PSTCL has claimed the Terminal benefits which includes elements such as Pension and Gratuity, leave encashment, Medical Reimbursement, etc. for the FY 2024-25 based on actual Terminal Benefits paid during FY 2022-23 by considering 5% increase on yearly basis. However, Actual Terminal Benefits will be claimed during True up of FY 2024-25.
- PSTCL submits that it has not considered the impact of arrears of 6th Pay revision of Punjab Govt. (w.e.f 01.01.2016 to 30.06.2021), same will be claimed as and when actually paid.

Table 46: Employee Terminal Benefits for FY 2024-25 (Rs. Crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Terminal Benefits for FY 2023-24 (Notionally calculated @5% increase on FY 2022-23)	543.38	0.47	543.85
2	Add: Increase @ 5%	27.17	0.02	27.19
3	Terminal Benefits for FY 2024-25	570.55	0.50	571.04

Other Employee Cost

- The Petitioner has considered the computation of Normative Employee cost on the basis of net amount after adjustment of expenses capitalised instead of gross amount in line with the approach adopted by the Hon'ble Commission without prejudice to the outcome of appeals filed by PSTCL with the Hon'ble APTEL. The effect of the same may be considered by the Hon'ble Commission if the matter is ruled in favour of PSTCL.
- **Manpower requirement for SAMAST scheme**
Due to commissioning of SAMAST project in mid of the FY 2023-24, the employee cost for six months has notionally been considered in base employee cost for FY 2023-24 amounting to Rs. 1.53 crore. The rest six months employee cost has been considered after indexation amounting to Rs. 1.65 Crore in normative employee cost computed for FY 2024-25.

- **Manpower requirement for New Substations**

PSTCL has commissioned New Sub-Stations in FY 2023-24 and FY 2024-25 as per details discussed at para 4.2 above. Considering the Notional Employee Cost added during FY 2023-24, PSTCL has added the Indexed Employee Cost of the additional Manpower for Newly added Substations during FY2024-25.

- Since, WPI and CPI index are as per previous Chapter of this Petition "True up for FY - 2022-23" for the computation of O&M expenses for FY 2024-25.

Table 47: Normative Other Employee Cost for FY 2024-25 (Rs. Crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Other Employee Cost for FY 2023-24 (Notionally Calculated on the basis of FY 2022-23)	343.42	14.57	357.99
2	Escalation Factor (CPI: WPI: 50:50)	7.73%	7.73%	
3	Indexed Employee Cost	369.97	15.69	385.66
4	Add: Employee Cost for New Recruitment	-	1.65	1.65
5	Add: Employee Cost for New Sub Stations	5.98	0.00	5.98
6	Net Other Employee Cost for FY 2024-25	375.95	17.34	393.29
7	Terminal Benefits	570.55	0.50	571.04
8	Normative Employee Cost for FY 2024-25	946.50	17.84	964.34

4.7.2 Computation of Normative A&G Expenses

- In the MYT Order for 3rd Control Period dated 15.05.2023, the Hon'ble Commission had approved A & G Expenses of Rs. 31.94 Crore for Transmission and Rs. 0.76 Crore for SLDC for FY 2024-25.
- For computation of Normative A& G expense for FY 2024-25, the Petitioner has considered the baseline values of FY 2023-24 notionally calculated on the basis of FY 2022-23.



- PSTCL has also considered the additional A & G Expenses on account of asset addition in line with the Note - 10 of Regulations 25 of PSERC MYT Regulations, 2022.
- The A&G expenses have been escalated with an escalation factor of 7.73% as per True up Chapter discussed earlier.

Table 48: Normative A & G Expenses for FY 2024-25 (Rs. Crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Net Asset added during FY 2024-25	494.01	5.99	500.00
2	%age of A&G w.r.t GFA	0.238%	2.046%	
3	Base A & G Expenses for FY 2023-24 (Notionally Calculated)	35.41	1.64	37.05
4	Escalation Factor (CPI: WPI: 50:50)	7.73%	7.73%	
5	Escalated A&G expenses for FY 2022-23	38.15	1.76	39.91
6	Add: Additional A&G expenses on account of asset addition during FY 2024-25.	1.18	0.12	1.30
7	Add: Audit fee (76.122)	0.05	0.00	0.05
8	Add: License & Petition fee (76.129)	0.55	0.00	0.55
9	Normative A&G Expenses	39.93	1.89	41.81

4.7.3 Computation of Normative R & M Expenses

- In the MYT Order for 3rd Control Period dated 15.05.2023, the Hon'ble Commission had approved R & M Expenses of Rs. 48.62 Crore for Transmission and Rs. 4.21 Crore for SLDC for FY 2024-25.
- The Petitioner has considered the notionally calculated baseline values of FY 2023-24 for Computation of Normative R & M expense of FY 2024-25.
- In this Petition, for computation of Normative R&M expenses, PSTCL has considered the "K" Factor as determined by the Hon'ble Commission and which is constant for 3rd Control Period as per PSERC MYT Regulations, 2022.
- The R&M expenses have been escalated with an escalation factor of 9.41% increase of WPI as in True up of FY 2022-23.
- Accordingly, the R&M expenses for FY 2024-25 are submitted as under: -

Table 49: Normative R & M Expenses for FY 2024-25

(Rs. Crore)

Sr. No.	Particulars	STU	SLDC	PSTCL
1	Opening GFA as on 01.04.2024	11370.83	58.66	11429.50
2	Add: Addition to GFA during FY 2024-25	494.01	5.99	500.00
3	Less: Retirement to GFA during FY 2024-25	0.00	0.00	0.00
4	Closing GFA (Including Land) as on 31.03.2025	11864.84	64.65	11929.50
5	Average GFA for FY 2024-25	11617.84	61.66	11679.50
6	K - Factor (Determined by PSERC)	0.29977%	1.30907%	
7	Escalation Factor (WPI Index)	9.41%	9.41%	
8	Total Normative R & M Expenses	38.10	0.88	38.99

4.7.4 Total Operational & Maintenance Expenses

The Petitioner submits the normative O&M Expenses for FY 2024-25 are as per table below:

Table 50: Normative O & M Expenses for FY 2024-25

(Rs. Crore)

Sr No.	Particulars	STU	SLDC	PSTCL
1	Employee Expenses	946.50	17.84	964.34
2	A&G Expenses	39.93	1.89	41.81
3	R&M Expenses	38.10	0.88	38.99
4	Normative O & M Expenses	1024.53	20.61	1045.14

PSTCL requests the Hon'ble Commission to approve the Normative O&M expenses of Rs. 1024.53 crore for STU and Rs. 20.61 crore SLDC for FY 2024-25 as per PSERC MYT Regulations, 2022.

4.8 Depreciation

- Regulation 21 of the PSERC MYT Regulations, 2022, provides for computation of Depreciation for each year of the Control Period.
- In the MYT Order for 3rd Control Period dated 15.05.2023, the Hon'ble Commission had approved Depreciation Charges of Rs. 349.27 Crore for Transmission and Rs. 4.35 Crore for SLDC for FY 2024-25
- PSTCL has considered the opening GFA for FY 2024-25 equal to closing GFA of FY 2023-24 notionally calculated as per capitalization already

approved by Hon'ble Commission in CIP Plan for 3rd Control Period. Addition of GFA during FY 2024-25 equal to projected capitalization approved by Commission in CIP Plan.

- PSTCL has also not considered any Depreciation on account of assets funded through Contributory Works and works under PSDF Scheme in FY 2023-24 & FY 2024-25.
- The Petitioner has considered the weighted average rate of depreciation computed as 4.12% for Transmission Business and 8.12% for SLDC based on audited accounts for FY 2022-23. The depreciation has been computed by applying weighted average rate of depreciation on average GFA during the year. Accordingly, PSTCL submits the depreciation for FY 2024-25 as under: -

Table 51: Calculation of Rate of Depreciation for FY 2024-25 (Rs. crore)

Sr. No.	Particulars	FY 2024-25		
		STU	SLDC	PSTCL
1	Opening GFA (Excluding Land and Land Rights) & (Excluding Contribution & Govt. Grant)	8153.14	53.82	8206.96
2	Add: Addition to GFA (Excluding Contributory & PSDF)	494.01	5.99	500.00
3	Closing GFA (Excluding Land and Land Rights) & (Excluding Contribution & Govt. Grant)	8647.15	59.81	8706.96
4	Average GFA	8400.15	56.82	8456.96
5	Depreciation (% of Average)	4.12%	8.12%	
6	Depreciation during the year	346.03	4.61	350.64

- PSTCL has segregated the depreciation on assets created from Spill over schemes (Works Started before 01.04.2020) and New Schemes (Works started after 01.04.2020) using the average rate of depreciation calculated as above.
- Following tables shows the segregated depreciation of spill over schemes and New Schemes: -

Table 52: Depreciation on Spill Over Schemes during FY 2024-25 (Rs. crore)

Sr. No.	Particulars	FY 2024-25		
		STU	SLDC	PSTCL
1	Opening GFA (Excluding Land and Land Rights) & (Excluding Contribution & Govt. Grant)	7820.59	26.16	7846.75
2	Add: Addition to GFA (Excluding Contributory & PSDF)	46.41	0.40	46.81
3	Closing GFA (Excluding Land and Land Rights) & (Excluding Contribution & Govt. Grant)	7867.00	26.56	7893.56
4	Average GFA	7843.80	26.36	7870.15
5	Depreciation (% of Average)	4.12%	8.12%	
5	Depreciation during the year	323.11	2.14	325.25

Table 53: Depreciation on New Schemes during FY 2024-25 (Rs. crore)

Sr. No.	Particulars	FY 2024-25		
		STU	SLDC	PSTCL
1	Opening GFA (Excluding Land and Land Rights) & (Excluding Contribution & Govt. Grant)	332.55	27.67	360.21
2	Add: Addition to GFA (Excluding Contributory & PSDF)	447.60	5.59	453.19
3	Closing GFA (Excluding Land and Land Rights) & (Excluding Contribution & Govt. Grant)	780.15	33.26	813.40
4	Average GFA	556.35	30.46	586.81
5	Depreciation (% of Average)	4.12%	8.12%	
5	Depreciation during the year	22.92	2.47	25.39

PSTCL requests the Hon'ble Commission to approve the Depreciation of Rs. 346.03 Crore for STU and Rs. 4.61 crore SLDC for FY 2024-25.

4.9 Interest Charges

Regulation 23 of the PSERC MYT Regulations, 2022, specifies as under:

"23. INTEREST ON LOAN CAPITAL

23.1. For existing loan capital, interest and finance charges on loan capital shall be computed on the outstanding loans, duly taking into account the actual rate of



- interest and the schedule of repayment as per the terms and conditions of relevant agreements. The rate of interest shall be the actual rate of interest paid/payable (other than working capital loans) on loans by the licensee.*
- 23.2. *Interest and finance charges on the actual loan capital for new investments shall be computed on the loans, based on one (1) year State Bank of India (SBI) MCLR / any replacement thereof as notified by RBI as may be applicable as on 1st April of the relevant year, plus a margin determined on the basis of current actual rate of interest of the capital expenditure loan taken by the Generating Company, Licensee or SLDC and prevailing SBI MCLR.*
- 23.3. *The repayment for each year of the tariff period shall be deemed to be equal to the depreciation allowed for the corresponding year. In case of de-capitalisation of assets, the repayment shall be adjusted by taking into account cumulative depreciation made to the extent of de-capitalisation.*
- 23.4. *The Commission shall allow obligatory taxes on interest, finance charges (including guarantee fee payable to the Government) and any exchange rate difference arising from foreign currency borrowings, as finance cost.*
- 24.5. *The interest on excess equity treated as loan shall be serviced at the weighted average interest rate of actual loan taken from the lenders.”*
- In the MYT Order for 3rd Control Period dated 15.05.2023, the Hon'ble Commission had approved Interest & Finance Charges of Rs. 273.97 Crore for Transmission and Rs. 3.46 Crore for SLDC for FY 2024-25
 - PSTCL has considered notionally calculated closing balance of Loans of FY 2023-24 as opening GFA for FY 2024-25 and addition as per funding plan as discussed earlier in this chapter.
 - PSTCL has considered the repayment equal to the depreciation of corresponding year as per PSERC MYT Regulations, 2022.
 - The Petitioner has considered the weighted average rate of interest on long term loans as 8.71% for Transmission Business and 8.38% for SLDC as computed in True up of FY 2022-23 in previous chapter based on Audited Figures.

- PSTCL has considered the loan segregation for Spill over Schemes and New Schemes as per the funding requirement of PSTCL discussed previously.
- Following tables shows the calculation of Interest Charges for Spill over Schemes and New Schemes.

Table 54: Interest on Loan for Spill Over Schemes for FY 2024-25 (Rs. crore)

Sr. No.	Particulars	FY 2024-25		
		STU	SLDC	PSTCL
1	Opening Balance	2,734.14	9.37	2,743.51
2	Add: Addition during the year	56.67	0.40	57.07
3	Less: Repayment during the year	323.11	2.14	325.25
4	Closing Balance	2,467.70	7.63	2,475.33
5	Average Loan for the year	2,600.92	8.50	2,609.42
6	Interest Rate	8.71%	8.38%	-
7	Interest Charges for the year	226.54	0.71	227.25

Table 55: Interest on Loan for New Schemes for FY 2024-25 (Rs. crore)

Sr. No.	Particulars	FY 2024-25		
		STU	SLDC	PSTCL
1	Opening Balance	212.39	26.10	238.49
2	Add: Addition during the year	313.32	5.59	318.91
3	Less: Repayment during the year	22.92	2.47	25.39
4	Closing Balance	502.79	29.22	532.01
5	Average Loan for the year	357.59	27.66	385.25
6	Interest Rate	8.71%	8.38%	-
7	Interest Charges for the year	31.15	2.32	33.46

- PSTCL has also projected the Miscellaneous Finance Charges amounting Rs. 0.28 crore based on Audited Accounts of FY 2022-23.
- Calculation of Interest Charges for all schemes for FY 2022-23 is as under: -

Table 56: Interest on Loan for All Schemes for FY 2024-25 (Rs. crore)

Sr. No.	Particulars	FY 2024-25		
		STU	SLDC	PSTCL
1	Opening Balance	2,946.53	35.47	2,982.00
2	Add: Addition during the year	369.99	5.99	375.98
3	Less: Repayment during the year	346.03	4.61	350.64



Table 56: Interest on Loan for All Schemes for FY 2024-25 (Rs. crore)

Sr. No.	Particulars	FY 2024-25		
		STU	SLDC	PSTCL
4	Closing Balance	2,970.49	36.85	3,007.34
5	Average Loan for the year	2,958.51	36.16	2,994.67
6	Interest Rate	8.71%	8.38%	-
7	Interest Charges for the year	257.69	3.03	260.72
8	Add: Misc & Finance Charges	0.28	-	0.28
9	Less: Interest Capitalized	7.03	-	7.03
10	Normative Interest & Finance Charges	250.94	3.03	253.97

PSTCL requests the Hon'ble Commission to approve the Interest Charges of Rs. 250.94 Crore for STU and Rs. 3.03 crore SLDC for FY 2024-25.

4.10 Interest on Working Capital

Regulation 50 of the PSERC MYT Regulations, 2022, specifies as under:

"50. INTEREST ON WORKING CAPITAL

50.1 Components of Working Capital

The Working Capital shall cover the following:

- i. O&M Expenses for 1 month;
- ii. Maintenance spares @ 15% of the O&M expenses;
- iii. Receivable's equivalent to two (2) months of fixed cost calculated on normative target availability.

50.2 Rate of Interest

The rate of interest on working capital shall be as per regulation 25.1.

Regulation 24.1 of the PSERC MYT Regulations, 2022, specifies as under:

"24. RATE OF INTEREST ON WORKING CAPITAL & SECURITY DEPOSIT

24.1 The rate of interest on working capital shall be equal to the actual rate of interest paid on working capital loans by the Licensee/Generating Company/SLDC or the one (1) Year State Bank of India (SBI) MCLR / any replacement thereof as notified by RBI as may be applicable as on 1st April of the relevant year plus 350 basis points, whichever is lower. The interest on working capital shall be payable on normative basis notwithstanding that the Licensee/Generating Company/SLDC has not

taken working capital loan from any outside agency or has exceeded the working capital loan amount worked out on the normative figures.

- In the MYT Order for 3rd Control Period dated 15.05.2023, the Hon'ble Commission had approved Interest on Working Capital of Rs. 37.71 Crore for Transmission and Rs. 0.73 Crore for SLDC for FY 2024-25.
- In this Chapter, the Petitioner has computed the Interest on Working Capital as per the provisions of PSERC MYT Regulations, 2022. The Petitioner has applied the rate of interest for Working Capital loans for Transmission business and SLDC business @ 8.01%. based on True up of FY 2022-23 calculated as actual weighted average.
- The calculation of Interest on Working Capital is as follows:

Table 57: Normative Interest on Working Capital for FY 2024-25

Sr. No.	Particulars	(Rs. crore)		
		STU	SLDC	PSTCL
1	Receivables equivalent to two (2) months of fixed cost calculated on normative target availability	299.02	6.89	305.91
2	Maintenance Spares @ 15% of O&M expenses	153.68	3.09	156.77
3	Operation & Maintenance expenses for 1 (One) Month	85.38	1.72	87.09
4	Total Working Capital (Normative)	538.07	11.70	549.78
5	Rate of Interest applied (As per Norms)	8.01%	8.01%	
6	Normative Interest on Working Capital	43.10	0.94	44.04

PSTCL requests the Hon'ble Commission to approve the Normative Interest on Working Capital of Rs. 43.10 crore for STU and Rs. 0.94 crore SLDC for FY 2024-25 as PSERC MYT Regulations, 2022.

4.11 ULDC Charges

- Hon'ble Commission, in Tariff Order for FY 2023-24, had approved the ULDC charges of Rs. 8.88 Crore for FY 2024-25 for SLDC based on latest Audited Accounts of FY 2021-22 available.



- Petitioner submits the Revised Projections of Unified Load Dispatch Centre (ULDC) Charges based on Audited Accounts of FY 2022-23, as shown in the following Table: -

Table 58: ULDC Charges for FY 2024-25 (Rs Crore)

Sr. No.	Particulars	STU	SLDC	PSTCL
1	ULDC Charges - SLDC own Share	-	5.68	5.68
2	ULDC Charges - BBMB Share	-	2.12	2.12
3	NRLDC fees and Charges	-	4.72	4.72
	Total	-	12.52	12.52

PSTCL requests the Hon'ble Commission to approve the ULDC Charges of Rs. 12.52 Crore for SLDC for FY 2024-25.

4.12 Return on Equity

Regulation 20 of the PSERC MYT Regulations, 2022, specifies as under:

"20. RETURN ON EQUITY

Return on Equity shall be computed at the rate of 15.5% on the paid-up equity capital determined in accordance with regulation 19:

Provided that assets funded by consumer contributions, capital subsidies/Govt. grants shall not form part of the capital base for the purpose of calculation of Return on Equity."

- Hon'ble Commission in Tariff Order for FY 2023-24 dated 15.05.2023, had approved the Return on Equity of Rs. 169.96 Crore for FY 2024-25.
- PSTCL has revised the claim of Return on Equity for FY 2024-25, considering revised Opening Balance of ROE on the basis of Revised funding for 2nd Control Period as already discussed in Previous Chapters.

The computation of normative ROE for FY 2024-25 is submitted in the following table: -

Table 59: Revised Return on Equity for FY 2024-25 (Rs. crore)

Sr. No.	Particulars	Particulars
1	Equity at the opening of Year	971.96
2	Addition During the Year	158.57
3	Equity at the Closing of Year	1130.53

Table 59: Revised Return on Equity for FY 2024-25 (Rs. crore)

Sr. No.	Particulars	Particulars
4	Average Equity during the Year	1051.25
5	Rate for Return on Equity	15.50%
6	Return on Equity	162.94

PSTCL requests the Hon'ble Commission to approve the Return on Equity of Rs. 162.94 Crore for FY 2024-25.

4.13 Revenue from Open Access Customers

- The Hon'ble Commission in its order dated 15.05.2023, had approved Revenue from Open Access Customer of Rs. 3.66 Crore for Transmission Charges and Rs. 0.09 Crore for SLDC Operating Charges for FY 2024-25 based on latest Audited Accounts of FY 2021-22 available.
- PSTCL has Claimed a receipt of Transmission Charges of Rs. 4.22 crore and SLDC Operating Charges of Rs. 0.12 crore from Open Access Customers based on Audited Accounts of PSTCL for FY 2022-23.

PSTCL requests the Hon'ble Commission to approve the Open Access Charges of Rs. 4.22 Crore for STU and Rs. 0.12 crore SLDC for FY 2024-25.

4.14 Non-Tariff Income

- In the MYT Order for 3rd Control Period dated 15.05.2023, the Hon'ble Commission had approved Non-Tariff Income of Rs. 35.57 Crore for Transmission and Rs. 0.23 Crore for SLDC for FY 2024-25 based on latest Audited Accounts of FY 2021-22 available.
- PSTCL has Revised the Non-Tariff Income of Rs. 29.22 Crore for Transmission and Rs. 0.25 Crore for SLDC for FY 2024-25 based on Audited Accounts of FY 2022-23.

PSTCL requests the Hon'ble Commission to approve the Non-Tariff Income of Rs. 29.22 Crore for STU and Rs. 0.25 crore SLDC for FY 2024-25.



4.15 Aggregate Revenue Requirement

After considering the expenses claimed for various components, Net ARR for FY 2024-25 for Transmission and SLDC is summarised in the following table: -



Table 60: Annual Revenue Requirement of Transmission & SLDC Business for FY 2024-25 (Rs. crore)

Sr. No	Particulars	Transmission		SLDC		PSTCI	
		Approved in MYT	Revised ARR	Approved in MYT	Revised ARR	Approved in MYT	Revised ARR
a.	Employee Cost	769.51	946.50	10.60	17.84	780.11	964.34
b.	A & G Expenses	31.94	39.93	0.76	1.89	32.70	41.81
c.	R & M Expenses	48.62	38.10	4.21	0.88	52.83	38.99
1	O & M Charges	850.07	1024.53	15.57	20.61	865.64	1045.14
2	Depreciation	349.27	346.03	4.35	4.61	353.62	350.64
3	Interest charges	273.97	250.94	3.46	3.03	277.43	253.97
4	Interest on Working Capital	37.71	43.10	0.73	0.94	38.44	44.04
5	ULDC Charges	0.00	0.00	8.88	12.52	8.88	12.52
6	Return on Equity	169.96	162.94	0.00	0.00	169.96	162.94
7	Gross ARR	1680.98	1827.54	32.99	41.71	1713.97	1869.25
8	Less: (i) Non-Tariff Income	35.57	29.22	0.23	0.25	35.80	29.47
9	Less: (ii) OA Customers	3.66	4.22	0.09	0.12	3.75	4.34
10	Net Revenue Requirement	1641.75	1794.10	32.67	41.35	1674.42	1835.45



5 Proposed Tariff for FY 2024-25

5.1 Proposed Tariff for FY 2024-25

- PSTCL submits that at present there is only one distribution licensee (PSPCL) in the State. Hence, the total Annual Fixed Charges for Transmission and SLDC shall be borne by PSPCL for FY 2024-25.
- PSTCL has considered Transmission System Capacity of 14,667.85 MW (16243.46 – 1575.61) estimated for FY 2024-25 excluding Transmission Capacity of NRSE Private Projects as provided by office of CE/PPR, PSPCL, Patiala. Further, the energy input required at transmission boundary for sale in the State is considered 62064Mkwh same as approved by Hon'ble Commission in Table 133 of Chapter 4 of PSPCL Tariff Order dated May15, 2023 for FY 2023-24.
- PSERC MYT Regulations, 2022 specify that Transmission Tariff will have the following components:
 1. SLDC Charges or System Operation Charge
 2. Reactive Energy Charges
 3. Transmission Charges or Network Usage Charges
- **SLDC Charges or System Operation Charges:**
PSTCL has computed the ARR of Rs. 41.35 Crore for SLDC for FY 2024-25. Accordingly, PSTCL has determined the SLDC Charges or System Operation Charge as under: -

Table 61: Proposed SLDC Operating Charges for FY 2024-25

Sr. No.	Particulars	FY 2024-25
1	Annual Fixed Charges for SLDC Business (Rs.)	41.35 crore
2	Monthly SLDC Charges (Rs. Crore/month)	3.45 crore
3	SLDC Charges for LTA/MTOA (Rs. /MW/Month)	2349.01

- **Reactive Energy Charges:** The reactive energy charges, if any, raised by NRLDC on PSTCL will be recoverable from PSPCL directly, by PSTCL

- **Transmission Charges or Network Usage Charges:** PSTCL has computed the ARR of Rs 1,943.72 Crore for Transmission Business of FY 2024-25, along with Revenue gap & carrying cost and other adjustments as discussed in the previous Chapter. Accordingly, PSTCL has determined the Transmission Charges or Network Usage Charge as shown in the following Table:

Table 62: Proposed Transmission Charges for FY 2024-25 (Rs. Crore)

Sr. No.	Particulars	FY 2024-25
1	Net ARR for FY 2024-25	1794.10
2	Revenue Gap after True-up for FY 2022-23	111.66
3	Carrying Cost on True up for FY 2022-23	25.70
4	Impact of True up of CAPEX for 2nd Control Period including Carrying Cost	5.14
5	ARR after Revenue Gap for FY 2022-23 along with Carrying Cost and Impact of True up of CAPEX	1936.60
6	Transmission System Capacity (Net) (MW)	14667.85
7	Transmission Charges per month (Rs. Crore per month)	161.38
8	Transmission Charges (Rs. /MW/month)	110025.38
9	Energy at Transmission Boundary for sale in State (MU)	62064.00
10	Transmission Charges (Rs./MWh)	312.03
11	Transmission Charges (paise/kWh)	31.20

PSTCL humbly prays to the Hon'ble Commission to approve the Transmission Charges and SLDC Charges along with past Revenue Gaps as submitted above.



6 Prayers

The Petitioner respectfully prays to the Hon'ble Commission:

- a) To admit the Petition seeking approval of True up of Capital Expenditure for 2nd Control Period i.e. from FY 2020-21 to FY 2022-23 and True-up of ARR for FY 2022-23 in accordance with PSERC MYT Regulations, 2019 as amended from time to time; for Transmission Business and SLDC Business.
- b) To approve the Revised ARR forecast for FY 2024-25 and determination of proposed Tariff for FY 2024-25 for Transmission Business and SLDC in accordance with PSERC MYT Regulations 2022, as amended from time to time;
- c) To approve Impact on ARR of FY 2020-21 & 2021-22 on account of True up of CAPEX for 2nd Control Period and Revenue Gap/(Surplus) arising on account of True-up of FY 2022-23 along with carrying cost through Tariff in FY 2024-25, as worked out in this Petition;
- d) To invoke its power under Regulation 64 in order to allow the deviations from PSERC MYT Regulations, 2019 & PSERC MYT Regulations 2022, wherever sought in this Petition;
- e) To allow additions/alterations/modifications/changes to the Petition at a future date;
- f) To allow any other relief, order or direction, which the Hon'ble Commission deems fit to be issued;
- g) To condone any error/omission and to give opportunity to rectify the same;

BY THE PETITIONER THROUGH



Chief Accounts Officer/Finance and Audit,

Punjab State Transmission Corporation Limited, Patiala

7 Directives

DIRECTIVES ISSUED TO PSTCL IN TARIFF ORDER FOR FY 2023-24 AND ITS COMPLIANCE IS AS UNDER:

Table 63: Directives issued by PSERC and their Compliance Status

Sr. No.	Issues	PSERC Comments & Directive	PSTCL's Reply
5.1	Boundary metering, Energy and Audit Reduction in Transmission Losses	<p>The Commission has been asking PSTCL from time to time to ensure expeditious implementation of the forecasting and scheduling activities and of the SAMAST Scheme. However, it is noted with concern that even after awarding the contract for implementation of the SAMAST Scheme, the commencement/end dates of some activities have been repeatedly postponed and the completion of the project and its handover have been further postponed by more than five months i.e. from 04.03.2023 to 31.08.2023 as depicted in the latest status report dated 18.01.2023 sent by PSTCL.</p> <p>The Commission had convened a meeting with PSTCL on 03.11.2022 to review the implementation of SAMAST Scheme. However, the feedback given by PSTCL during the meeting was not satisfactory. There seems to be lack of coordination and serious</p>	<p>1. As per the current status, the Data-Centre is operational since Dec'22.</p> <p>2. The Open Access Entity Registration Software Module, Transmission Outage Planning Module, Data Migration and Integration Module, Forecasting Module and Scheduling of RE (Solar) entities are operational. DSM module for RE (Solar) has been deployed and is currently running on trial mode. Suggestions/Improvements requested by end users/entities are being incorporated in the module by software developers. All entities have been registered. Energy Accounting Software Module is also ready and in final stages of deployment. Financial accounting Module has also been developed by the firm and is</p>



Sr. No.	Issues	PSERC Comments & Directive	PSTCL's Reply
		<p>focus towards the expeditious implementation of the SAMAST Scheme. The concerned officers attending the meeting were directed to take required remedial measures, with regular review to ensure the speedy execution of the SAMAST Scheme and the earliest commencement of forecasting and scheduling of the RE generators, open access entities etc.</p> <p>PSTCL is directed to make all out efforts to expeditiously implement the SAMAST scheme and to keep on sending regular status updates. In the meantime, the commissioned modules which can be operationalized independently be put to use immediately.</p>	<p>under testing by end users.</p> <p>3. The installation activity has been started from 21.02.2023 and 910 out of 1481 meters have been installed till date. (19.11.23)</p> <p>4. Energy Meters have been installed at all 3 Nos. IPP's, 2 Nos. State Thermal Generators, 5 Nos. State Hydel Generators, 56 Nos. RE Generators, 1 No Open Access Generator, 12 OA Consumers and 127 Nos. PSTCL sub stations. Remaining sites are under progress.</p> <p>Currently, field work has stalled due to shortage of material due to non-receipt of next instalment of PSDF funds from last 4 months. The firm has informed that it is not able to proceed with supply of last lot of material due to pending payments of previous lots. Though the matter is being pursued vigorously with Grid-India yet funds have not been received till date. The same</p>

Sr. No.	Issues	PSERC Comments & Directive	PSTCL's Reply
5.2	Loading Status of PSTCL Transmission lines and Substations	<p>PSTCL was directed to intimate, within three months of issue of tariff order for FY 2022-23, the measures taken to prevent overloading on transmission lines like the 220 kV Sahnewal - PGCIL line. The Commission notes that the required information has not been supplied by PSTCL. Even now, twenty transmission lines are overloaded. Overloading in case of some lines such as 220 kV Badhani-PGCIL Moga Line, Faggan Majra-Bahudargarh and 132kV Feroze Shah-Kotkaror is severe i.e. of the order of</p>	<p>was also apprised to Hon'ble PSERC while intimating monthly status of SAMAST Project as on 02.11.2023. In this regard, GM/Grid India was informed that Fund Utilization target upto 31.03.24 cannot be met with due to huge delay in disbursement of PSDF funds for SAMAST project. A physical meeting was also held with the officials of Grid-India at New Delhi on 15.11.23 wherein they were apprised about current project situation and request for early release of funds. However, no commitment has been made as file for approval of PSDF funding is still pending with Ministry of Power/GOI.</p> <p>The loading Position of overloaded lines and their corresponding remedial measures are placed at Annexure-A.</p>

Sr. No.	Issues	PSERC Comments & Directive	PSTCL's Reply
		<p>117%. Against most of such cases of overloading, PSTCL has now intimated that either the remedial measures are under study or additional transmission lines and substations have been planned as a remedy. But the timelines have not been intimated.</p> <p>Accordingly, PSTCL is directed to intimate the timelines of the remedial action to relieve overloading on all such overloaded transmission lines within one month of issue of this Tariff Order. PSTCL is also directed to identify the transmission lines which are potentially vulnerable to overloading and take proactive steps to prevent the same. Further, PSTCL has sought capex in CIP for erection of substations and transmission lines to prevent overloading. The quarterly report on the utilisation of the funds and physical progress be also furnished.</p>	
5.3	Maintenance of voltage wise and category wise details of fixed assets:	<p>PSTCL has still not given any time frame to ensure compliance of the Directive. As such, the reply given by PSTCL is not satisfactory. The Commission directs that speedy compliance of the directive be ensured and status report be furnished within three months of issue of Tariff Order.</p>	<p>PSTCL has requested for exemption from compliance of the Directive No.5.3-"Maintenance of Voltage Wise and Category wise details of Fixed Assets" as already been appraised to the Commission through Memo No.621 dt.21.08.2023 (Annexure-X).</p>

Sr. No.	Issues	PSERC Comments & Directive	PSTCL's Reply
5.4	Reactive Compensation	PSTCL is directed to furnish quarterly progress report on installation of reactors.	The requisite information is placed at Annexure-B
5.5	Preventive maintenance of transmission lines.	<p>PSTCL have sent the details of tripping's/ breakdown of the lines for the period ending December, 2022 & remedial measures taken. The Commission notes that the downtime/restoration time in case of transmission lines outages is inordinately long.</p> <p>During 2nd quarter of FY 2022-23, 431 nos. trippings/interruptions on transmission lines have been reported. The 132 kV Verka-Jandiala line remained under shut down for 747 hours reportedly due to bad weather and flashing of disc string. Even the outages reported due to transient faults have been of the order of 24 hrs and 15 hrs in case of 132 kV Malout-Aboharline and 132 kV Mana Singh Wala-Ferozepur line respectively.</p> <p>During 3rd quarter of FY 2022-23, 354 trippings/interruptions have been reported on transmission lines. The outages due to transient faults</p>	Compliance Report is Placed at Annexure C Annexure-C(I) Annexure-C(II)



St. No.	Issues	PSERC Comments & Directive	PSTCL's Reply
		<p>are of the order of 60 hrs and 38 hrs in case of 220kV Moga-Bajakhana line and 132 kV Ghulal-Jamalpur line. Such instances reflect very poorly on PSTCL's reaction time and the health of its transmission system.</p> <p>PSTCL is directed to take immediate steps to bring down the restoration time for faults on transmission line and to submit the details of the remedial measures being taken to reduce restoration time.</p> <p>Further, PSTCL have not submitted the prescribed maintenance schedule of transmission lines along with the Director/Technical's certificate that schedule is being strictly adhered to. Also the feedback regarding study of maintenance practices/ schedules/ technologies being used in other organizations in the country have not been provided. PSTCL is directed to furnish the above details within one month of issue of Tariff Order. Further, submission of the calculations of transmission system availability in the ARR petition be ensured. In case the information as directed above is not submitted, the Commission would review the grant of transmission availability incentives.</p>	

Sr. No.	Issues	PSERC Comments & Directive	PSTCL's Reply
5.6	<p>Strengthening of the State Load Despatch Centre (SLDC)</p>	<p>Institutional capacity building for SLDC has to be a key thrust area for PSTCL. The Electricity Act, 2003 mandates the SLDC to be the apex body to ensure integrated operation of the State Power System for optimum scheduling and dispatch, monitoring grid operations, accounting and for carrying out real time operations for grid control. Further, in view of emerging challenges due to large scale integration of Renewables, Distributed Energy Resources, expansion and inter-connection of grids, deviation settlement mechanism etc., it is imperative that adequately trained and motivated manpower with pre-defined training calendar, minimum tenure and with appropriate incentives/compensation, is deployed at SLDC. However, in spite of repeated directions, PSTCL has not intimated the steps taken to strengthen the SLDC.</p> <p>PSTCL is directed to submit status report along with the timelines for strengthening of the SLDC within one month of issue of this Tariff Order</p>	<p>1. As directed by the Hon'ble Commission, the monthly status report is being sent every month. The monthly status report in respect of "Implementation of SAMAST scheme in Punjab" upto the month of October 2023 has already been submitted to Secretary/PSERC vide CE/SLDC email dated 03.11.2023.</p> <p>2. Regarding trained and motivated manpower, it is submitted that PSTCL has deputed the officers/officials who have longer service in their hands and have either undergone training or going to have Basic System Operator training in future to make them well conversant with system.</p> <p>3. PSTCL has also deputed additional manpower to strengthen the SLDC by fixing the headquarter of 10 No. Officers/Officials (i.e. 5 No. AEs & 5 No. JEs) under SLDC organization as a stop gap arrangement.</p>



Sr. No.	Issues	PSERC Comments & Directive	PSTCL's Reply
5.7	Capital Expenditure and Capitalisation	Petition No.50 of Business Plan & C.I.P. for the 3rd Control Period does not indicate details of Capital Expenditure & Capitalization on a 6 months basis. PSTCL is directed to submit six-monthly expenditure details as per the directive to enable monitoring of progress of work being done	<p>Further, after the completion of SAMAST project, the actual requirement of manpower shall be reviewed in line with MoP guidelines. (Copy Enclosed as Annexure-D).</p> <p>List of Capex & Capitalization is placed below:-</p> <p>Annexure-E (Pertain to SLDC Organization)</p> <p>Annexure-F (HIS & D) (Pertain to HIS & D Organization)</p> <p>Annexure-G (I), (II), (III) (P&M) (Pertain to P&M Organization)</p> <p>Annexure-H (TS) (Pertain to TS Organization).</p>

INDEX

S. No.	Form No.	PARTICULARS
1	T1	Annual Revenue Requirement - Transmission Business
2	T2	Annual Revenue Requirement - SLDC Business
3	T3	Operations and Maintenance Expenses Summary
4	T4	Operations and Maintenance Expenses Normative
5	T5	Employee Expenses
6	T6	Employee Strength
7	T7	Administration & General Expenses
8	T8	Repair & Maintenance Expenses - Transmission Business
9	T9	Repair & Maintenance Expenses - SLDC Business
10	T10	Fixed Assets & Provision for Depreciation
11	T11	Expenses for SLDC Fees & Charges
12	T12	Return on Equity
13	T13	Loan master for all loans
14	T14	Year-wise Capital Expenditure
15	T15	Capital Works in Progress
16	T16	Interest and Finance Charges
17	T17	Net Prior Period Expenses / Income
18	T18	Details of Expenses Capitalised
19	T19	Debits, Write-offs and Any Other Items
20	T20	Key Characteristics of the Transmission Utility
21	T21	Normative Parameters Considered for Tariff Computations
22	T22	Transmission Capacity
23	T23	Energy Balance
24	T24	Projection of Energy Sales
25	T25	Revenue from Tariff & Charges
26	T26	Demand in MVA
27	T27	Working Capital Requirement - Transmission/SLDC Business
28	T28	Income from Investment and other Non-Tariff Income - Transmission/SLDC Business
29	T29	Contribution, Grants & Subsidies towards Cost of Capital Assets - Transmission/SLDC
30	T30	Existing & Proposed Tariff Schedule - Transmission/SLDC Business
31	T31	Revenue from Current Tariffs in Ensuing Year - Transmission/SLDC Business
32	T32	Revenue from Proposed Tariffs in Ensuing Year - Transmission/SLDC Business
33	T33	Losses in the Transmission System
34	T34	Voltage Wise System Losses - Month Wise
35	T38	Voltage Profile
36	T39	Outages of Transmission Lines, Sub-Stations and Outages due to tripping in HT
37	T40	Failure of Transformers
38	T41	Peak Demand in MW
39	T44	Income Tax Provisions
40	T45	Transmission Availability

Note:

1. Electronic Copy of the Petition (in Word format) and detailed calculation as per these formats (in Excel format) and any other information submitted shall also be furnished in the electronic form.
2. Formats may be suitably amended where ever required, and additional formats may be designed for any additional information to be submitted alongwith the Petition.

[Handwritten Signature]

Annual Revenue Requirement - Transmission Business

S. No.	Particulars	(Rs. crore)	
		True-up FY 2022-23 III	ARR FY 2024-25 IV
A	Receipts		
1	Revenue from Transmission Business and Ancillary Services	1548.35	1641.75
B	Expenditure		
1	Expenses for SLDC Fees and Charges		
2	O&M Expenses	896.28	1024.53
	a) R&M Expenses	35.72	38.10
	b) Employee Cost	828.13	946.50
	c) A&G Expenses	32.43	39.93
3	Depreciation	312.11	346.03
4	Interest and Finance Charges on Loan Capital	267.73	250.94
5	Interest Charges on Working Capital	38.29	43.10
6	Extraordinary Items	0	0.00
7	Other Debits and Write-Offs	1.23	0.00
8	Statutory Levies and Taxes if Any	0	0.00
	Sub Total Expenditure (1+2+3+4+5+6+7+8)	1515.64	1664.60
C	Return on Equity		
D	Total Revenue Requirement	131.49	162.94
E	Less: (i) Non-Tariff and other Income	1647.14	1827.54
		29.22	29.22
	Less: (ii) Revenue from Open Access	4.22	4.22
F	Net Annual Revenue Requirement	1613.70	1794.10
	Add: Incentive	42.41	0.00
G	Total Annual Revenue Requirement	1656.11	1794.10
H	Surplus (+) / Shortfall (-) (A-H) - Before Tariff Revision	-107.76	-152.35

Note :

The above to be computed based on allocation statement that segregates costs between the Transmission Business and SLDC, until such time both activities are segregated.

Annual Revenue Requirement - SLDC Business

S. No.	Particulars	ARR		(Rs. crore)
		True-up FY 2022-23 III	FY 2024-25 IV	
I	Revenue			
1	Revenue from Fees and Charges	26.65		32.67
B	Expenditure			
1	O&M Expenses			
	a) R&M Expenses	14.4		20.61
	b) Employee Cost	0.80		0.88
	c) A&G Expenses	12.55		17.84
2	Depreciation	1.05		1.89
3	Interest and Finance Charges on Loan Capital	2.16		4.61
4	Interest Charges on Working Capital	1.17		3.03
5	Prior Period Expenses	0.68		0.94
6	ULDC Charges	0		0.00
7	Other Debts and Write-Offs	12.52		12.52
8	Statutory Levies and Taxes if Any	0		0.00
	Subtotal Expenditure (1+2+3+4+5+6+7+8)	30.93		41.71
C	Return on Equity			
		0.00		0.00
D	Total Revenue Requirement	30.93		41.71
E	Less: (i) Non-Tariff and other Income	0.25		0.25
	Less: (ii) Revenue from Open Access	0.12		0.12
F	Net ARR	30.56		41.34
	Add: Incentives	0.00		0.00
G	Total ARR	30.56		41.34
H	Surplus(+)/ Shortfall(-)(A-H) - Before Tariff Revision	-3.91		-8.67

Note :

The above to be computed based on allocation statement that segregates costs between the Transmission Business and SLDC, until such time both activities are segregated.

Operations and Maintenance Expenses Summary

(Rs. Crore)

Sr. No.	Particulars	Previous Year			ARR		Remarks
		Tariff Order (a)	April-March (Audited) (b)	Deviation (c) = (b) - (a)	FY 2024-25 Projected		
I	II	III	IV	V	VI	VII	
1	O&M Expenses	833.87	883.118	49.248	1045.12		
1.1	Employee Expenses	763.37	814.90	51.5289	964.33		
1.2	R&M Expenses	37.42	36.58	-0.8367	38.98		
1.3	A&G Expenses	33.08	31.64	-1.4442	41.81		
2	O&M Expense capitalised	0	38.70	38.6954	0		
3	Total Operation & Maintenance Expenses (net of capitalisation)	833.87	844.42	10.55	1045.12		

Note - 1) PSTCL submitted the O&M Expenses for FY- 2022-23 on normative basis.

2) This format is submitted consolidated for PSTCL.

Sr. No.	Particulars	Approved O&M Expenses			3-Year Average	ARR	
		2021-22	2022-23	2023-24		Normative	Projected
		(a)	(b)	(c)			
I	II	III	IV	V	VI	VII	VIII
1	Employee Expenses	593.55	763.37	749.47	702.13	964.33	964.33
2	A&G Expenses	30.46	33.08	30.1	31.21	41.81	41.81
3	R & M Expenses	36.62	37.42	45.61	39.88	38.98	38.98
4	Total O&M Expenses	660.63	833.87	825.18	773.23	1045.12	1045.12

Note -1) PSTCL submitted the O&M Expenses for FY 2021-22, FY 2022-23 and FY 2024-25 on normative basis. Also, for control period, O&M Expenses submitted on normative basis.

2) This format is submitted consolidated for PSTCL.

Employee Expenses

S.No	Particulars	(Rs. crore)			
		FY 2022-23 Actual (Audited)	FY 2022-23 True-up	FY 2024-25 ARR	
A	II	III	IV	V	
	Employee Cost (Other than covered in 'C&D')				
1	Salaries	171.53			
2	Dearness Allowance (DA)	43.13			
3	Other Allowances	22.02			
4	Interim Relief / Wage Revision	-			
5	Overtime	3.39			
6	Bonus	-			
7	Incentive	0.00			
8	Any Other Item (specify)	29.95			
	Sub Total	270.02			
B	Other Costs		322.72		393.29
1	Medical Expenses Reimbursement	1.53			
2	Travelling Allowance(Conveyance Allowance)	0			
3	Leave Travel Assistance	1.39			
4	Payment Under Workman's Compensation Act	-			
5	Electricity Concession to Employees	0.91			
6	Other Staff Welfare Expenses	0.18			
7	Any Other Item (specify)	0			
i	Uniform and livery expenses				
ii	Ex-Gratia to employees recruited by PSTCL				
	Sub Total	4.02			
C	Apprentice and Other Training Expenses				
D	Contribution to Terminal Benefits				
1	Earned Leave Encashment	23.37			
2	Provident Fund Contribution	14.91			
3	Provision for PF Fund				
4	Pension				
5	Gratuity	490.19			
6	Ex-gratia				
7	Any Other Item (specify)				
i	Miscellaneous - PF inspection fees, Solatium, Momento etc.	0.30			
ii	Provision for Gratuity & leave encashment for employees recruited by PSTCL	12.10			
	Sub Total	540.86	517.95		571.04
E	Impact of Pay Revision				
F	Grand Total (A+B+C+D+E)	814.90	840.67		964.33
G	Employee Expenses Capitalized	33.80	0.00		0.00
H	Net Employee Expenses (E)-(F)	781.10	840.67		964.33

Note :

- The above information is to be provided in consolidated form in case of Transmission Licensee.
- PSTCL has claimed Employee Costs on normative basis. FY 2022-23 details are based on Audited accou

Form T6

Employee Strength (Regular)

		True Up		ARR	
		FY 2022-23		FY 2024-25	
		01/04/2022		01/04/2024	
S.No.	Particulars	Working Strength At The Beginning Of The Year	Sanctioned Strength At The Beginning Of The Year	Working At The Beginning Of The Year	Sanctioned At The Beginning Of The Year
		III	IV	V	VI
1	II				
	Technical				
1	Class I	323	450	343	415
2	Class II	469	1105	570	1102
3	Class III	1044	2365	1197	2347
4	Class IV	40	0	15	0
	Total	1876	3920	2125	3864
	Non - Technical				
1	Class I	43	61	38	60
2	Class II	127	186	117	182
3	Class III	176	589	255	574
4	Class IV	148	418	121	387
	Total	494	1254	531	1203
	Grand Total	2370	5174	2656	5067

Note: Above classification of Employee Strength is as per Group A, B, C, D classification of employees

Administration & General Expenses

S.No	Particulars	(Rs. Crore)			
		FY (2022-23) Audited	True-up	FY 2022-23 ARR	FY 2024-25 V
I	ii	III	IV		
	1 Lease/ Rent	0.83			
	2 Insurance	0.04			
	3 Revenue Stamp Expenses Account				
	4 Telephone, Postage, Telegram & Telex Charges	0.32			
	5 Incentive & Award to Employees/Outsiders				
	6 Consultancy Charges	0.05			
	7 Technical Fees				
	8 Other Professional Charges	0.08			
	9 Conveyance and Travelling Expenses	7.15			
	10 License and Registration Fees	0.02			
	Vehicle Expenses (Other Than Trucks and Delivery Vans)	0.39			
	Vehicles Running Expenses Petrol and Oil Hiring of Vehicles				
	12 Security / Service Charges Paid to Outside Agencies				
	Sub Total 'A' (1 to 12)	8.88			
	1 Fee and Subscription for Books and Periodicals	0.02			
	2 Printing and Stationery Expenses	0.31			
	3 Advertisement Expenses (Other than Purchase Related) Exhibition & Demo.	0.02			
	4 Contributions/Donations to Outside Institutes / Associations	14.86			
	5 Electricity Charges of Offices	0.02			
	6 Water Charges				
	7 Entertainment Charges	0.50			
	8 Expenses on training	0.08			
	9 Hospitality	1.96			
	10 Contingency expenses	0.27			
	11 Miscellaneous expenses	18.13			
	Sub-Total 'B' (1 To 11)	0.35			
C	Legal Fee/Charges	0.05			
D	Auditor's Fee				
	1 Freight on Capital Equipments				
	2 Purchase Related Advertisement Expenses	0.44			
	3 Vehicle Running Expenses Truck / Delivery Van	1.72			
	4 Vehicle Hiring Expenses Truck / Delivery Van	1.54			
	5 Other Freight				
	6 Transit Insurance				
	7 Octroi				
	8 Incidental Stores Expenses	0.11			
	9 Other	0.00			
	Sub Total 'E' (1 To 9)	3.81			
F	Direction And Supervision Charges				
G	Annual license fee and tariff determination fee payable to PSERC	0.55			
H	Contribution made to PSTCL CSR Trust	1.31			
	Grand Total (A To G)	33.08			
H	Total Charges Chargeable To Capital Works (-)	4.04			
	Revenue Expenses	29.04	33.48		41.81

Note :

- The above information is to be provided in consolidated form in case of Transmission Licensee.
- PSTCL has claimed it's A&G Expenses on normative basis.

Repair & Maintenance Expenses - Transmission Business

S.No.	Particulars	(Rs. Crore)		
		FY 2022-23 Audited III	FY 2022-23 True-up IV	FY 2024-25 ARR V
I	II			
1	Plant and Machinery			
A	Sub-Stations			
	i) 440 kV	0.86		
	ii) 220 kV	19.05		
	iii) 132 kV	3.95		
	Others	2.20		
B	O and M Charges of Bays Lines maintained by PGCIL Other states UT			
	Total	1.68		
2	Buildings	26.96		
3	Civil Works	3.42		
4	Lines	0.99		
	i) 440 kV	-		
	ii) 220 kV	0.62		
	iii) 132 kV	2.58		
	iv) Cables	0.33		
	Vehicles	0.47		
5		4.01		
6	Furniture and Fixtures	0.31		
7	Office Equipments	0.01		
8	Station Supplies	0.03		
9	Maintenance by private agencies			
10	Any other item (specify)			
11	Total R&M Expenses	35.73		
12	Less: R&M Expenses Capitalized	0.85		
13	Net R&M Expense (11-12)	34.88	35.72	38.10

Note: PSTCL has claimed R&M Expenses on Normative basis. The actual R&M Expenses for FY 2022-23 submitted based on audited accounts.

Form T9

Repair & Maintenance Expenses - SLDC Business

S.No.	Particulars	(Rs. Crore)		
		FY 2022-23 Actual	FY 2022-23 True-up	FY 2023-24 ARR
1	II	III	IV	V
1	Plant and Machinery	0.78		
2	Building	0.04		
3	Civil Works			
4	Lines			
5	Vehicles	0.01		
6	Furniture and Fixtures	0.00		
7	Office Equipments	0.01		
8	Station Supplies			
9	Maintenance by private agencies			
10	Any other item (specify)			
11	Total R&M Expenses	0.85		
12	Less: R&M Expenses Capitalized	0.00		
13	Net R&M Expenses (11-12)	0.85	0.80	0.88

Note: PSTCL has claimed R&M Expenses on Normative basis. The actual R&M Expenses submitted based on audited accounts.

Form T10
Fixed Assets details for the FY 2022-23 :-

Asset Description	Opening Balance as on 31.03.2022												
	1	2	3	4	5	6	7	8	9	10	11	12	13
	Account Head	Opening Original Cost of Fixed Assets as on 01.04.2022 (Rs. in Crores)	Opening Original Cost of Fixed Assets created through Consumer Contribution (Rs. in Crores)	Opening Depreciation charged on assets through Govt. Grant (90% & 75% Value) (Rs. in Crores)	Opening Depreciation charged through Govt. Grant (90% & 75% Value) (Rs. in Crores)	Opening Depreciation charged through Govt. Grant (90% & 75% Value) (Rs. in Crores)	Rate of depreciation applied during FY 2022-23	Opening of Fixed Assets - Others (i.e. Excluding Consumer Contribution and Govt. Grant 90% & 75% Value) (Rs. in Crores)	Addition of Fixed Assets created through consumer contribution during FY 2022-23	Addition of Fixed Assets through Govt. Grant (90% & 75% Value) during FY 2022-23	Amount of Assets received in respect of Govt. Grant (25% eligible for depreciation during FY 2022-23)	Addition of Fixed Assets during FY 2022-23	Disposal/Written off Assets during FY 2022-23
Land and Land Rights	101	2,944.90	-	-	2,944.90	-	-	2,944.90	-	-	-	3.39	-
Buildings	102	260.81	3.28	2.83	254.69	-	254.69	2.22	0.00	0.00	0.00	21.31	-
Other Civil Works	103	11.11	1.22	-	9.90	-	9.90	-	-	-	-	5.64	-
Plant and Machinery	105	4,007.75	66.55	16.98	3,924.23	Maintained up to 100% each year	3,924.23	5.75	3.36	0.34	0.34	160.01	19.62
Lines, Cables, Networks etc.	106	3,435.78	145.77	2.75	3,287.26	-	3,287.26	23.84	0.23	0.96	0.96	30.82	-
Vehicles	107	10.36	-	-	10.36	-	10.36	-	-	-	-	7.23	0.05
Furniture and Fixtures	108	5.45	-	-	5.45	-	5.45	-	-	-	-	0.04	0.04
Office Equipments	109	8.08	-	-	8.08	-	8.08	-	-	-	-	0.88	0.00
Grand Total as per PPF (Note No. 3)		10,684.24	216.82	22.56	10,444.87		10,444.87	31.82	3.59	0.39	0.39	229.31	19.71

Depreciation charged During the Year FY 2022-23

Asset Description	Depreciation charged During the Year FY 2022-23													
	1	2	3	4	5	6	7	8	9	10	11	12	13	
	Account Head	Depreciation charged on all other assets (i.e. Excluding Consumer Contribution and Govt. Grant upto 75% value of asset created against Govt. Grant) During FY 2022-23	Depreciation charged on asset created through Consumer Contribution During FY 2022-23	Depreciation charged on assets created through Govt. Grant (90% & 75% Value) During FY 2022-23	Depreciation charged on assets created through Govt. Grant (90% & 75% Value) During FY 2022-23	Depreciation charged on assets not in use during FY 2022-23 (Addition of Assets but in use during FY 2022-23)	Depreciation charged on assets (i.e. Re-use) during FY 2022-23 (Addition of Assets but in use during FY 2022-23)	Accumulated Depreciation on Assets Trif (i.e. Re-use) during FY 2022-23 (Addition of Assets but in use during FY 2022-23)	Accumulated Depreciation on Assets Trif (i.e. Re-use) during FY 2022-23 (Addition of Assets but in use during FY 2022-23)	Accumulated Depreciation on Assets Trif (i.e. Re-use) during FY 2022-23 (Addition of Assets but in use during FY 2022-23)	Accumulated Depreciation on Assets Trif (i.e. Re-use) during FY 2022-23 (Addition of Assets but in use during FY 2022-23)	Accumulated Depreciation on Assets Trif (i.e. Re-use) during FY 2022-23 (Addition of Assets but in use during FY 2022-23)	Accumulated Depreciation on Assets Trif (i.e. Re-use) during FY 2022-23 (Addition of Assets but in use during FY 2022-23)	Net Balance of Assets eligible for depreciation at the end of the year as on 31.03.2023
Land and Land Rights	101	0.33	-	-	-	-	-	-	-	0.33	-	-	-	2,944.96
Buildings	102	7.00	0.18	0.11	0.01	0.09	-	-	-	7.00	-	-	-	1,655.6
Other Civil Works	103	0.37	0.04	-	-	-	-	-	-	0.37	-	-	-	13.06
Plant and Machinery	105	159.82	3.67	1.01	0.10	0.91	-	17.41	142.41	1944.68	2.087.69	2.087.69	1,977.86	
Lines, Cables, Networks etc.	106	146.74	8.24	0.20	0.05	0.15	-	-	146.74	1475.54	1,622.28	1,622.28	1,695.86	
Vehicles	107	1.15	-	-	-	-	-	0.04	1.11	5.30	6.41	6.41	11.14	
Furniture and Fixtures	108	0.25	-	-	-	-	-	0.01	0.24	2.97	3.21	3.21	2.24	
Office Equipments	109	0.23	-	-	-	-	-	0.00	0.23	7.36	7.58	7.58	1.38	
Grand Total as per PPF (Note No. 3)		315.89	12.13	1.32	0.16	1.16		17.47	298.42	3,542.39	3,840.81	3,840.81	6,814.05	

Expenses for SLDC Fees & Charges

Particulars	Previous Year 2022-23		Control Period 2024-25			
	Contracted Capacity/ Energy (MW/MU)	Rate (Rs./MW or Paise/Unit)	Amount (Rs.) Crore	Contracted Capacity/ Energy (MW/MU)	Rate (Rs./MW or Paise/Unit)	Amount (Rs. Crore)
ii	iii	iv	v	vi	vii	viii
Open Access Customers Connected to Transmission/Distribution System :						
a) Long Term Customers	35 MW (Contracted capacity)	Rs. 1903.27/MW/Month (i.e. SLDC Operating Charges) [w.e.f. 01.04.2022]	0.0066	50 MW	Rs. 1900/MW/Month (i.e. SLDC Operating Charges) [w.e.f. 01.04.2022]	0.010
b) Medium Term Customers	3.9 MW		0.0007	3.9 MW		0.0007
c) Short Term Customers (Intra-State)	7 MW (Contracted capacity under Open Access)	SLDC Operating Charges	0.022	7 MW	Rs. 2000/per day or part of the day for each transaction	0.02
Short Term Customers (Inter-State)	15.5		0.0002			0.006
Short Term Customers		NOC/Application Fee**	0.07		Rs. 10,000/- (For Inter-State) & Rs. 5000/- for Intra-State	0.07

* Only includes capacity of 2 no. Intra-State Generating Plants, who have wheeled power under Open Access for Captive use. Actual energy figures pertaining to Winsome Yarns Ltd. are in KVAH instead of KWH (taken as KWH for calculation)

** Also includes application fee of Open Access consumers, who have renewed their annual consent but not purchased/scheduled any power under Open Access.

*** Figures under Long Term Access are based on LTA granted to Northern Railway for purchase of upto 35 MW power, which have been operationalized w.e.f. 24.11.2019 onwards.

**** Figures under MTOA Pertains to wheeling of power by 5 no. MHPs of Winsome Yarns limited (granted during FY 2020-21).

Return on Equity

(Rs. crore)

S. No	Particulars	FY 2022-23		FY 2024-25	
		True-up	ARR	True-up	ARR
I	II	III	IV		
1	Opening Balance of Equity	807.19	971.96		
2	Net Additions during the Year	82.3	158.57		
3	Closing Balance of Equity	889.49	1130.53		
4	Average Equity during the Year	848.34	1051.245		
5	Rate of Return (%) [*]	15.50%	15.50%		
6	ROE	131.49	162.94		

^{*}To be based on rate applicable as per Regulations

Loan master for all loans

Particulars	FY 2022-23				FY 2023-24				FY 2024-25				(Rs. crore)
	Opening Balance	Repayments	Additions	Closing Balance	Opening Balance	Repayments	Additions	Closing Balance	Opening Balance	Repayments	Additions	Closing Balance	
	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	
Secured Loans													
LOAN-1	2339.08	360.61	389.43	2367.90	2367.90	260.00	637.08	2744.98	2744.98	273.00	450.00	2921.98	
LOAN-2	960.90	270.54	235.23	925.59	925.59	271.00	156.00	810.59	810.59	185.00	100.00	725.59	
LOAN-3	156.39		109.09	265.48	265.48	0.00	24.52	290.00	290.00	0.00	0.00	290.00	
LOAN-4	0.00		0.00	0.00	0.00	0.00	20.00	20.00	20.00	0.00	0.00	20.00	
LOAN-5	179.59	75.41	0.00	104.18	104.18	75.00		29.18	29.18	29.18	0.00	0.00	
LOAN-6	1.10	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LOAN-7	154.99	18.82	0.00	136.17	136.17	18.82	0.00	117.35	117.35	18.82	0.00	98.53	
LOAN-8	230.00	120.00	0.00	110.00	110.00	110.00	0.00	0.00	0.00	0.00	0.00	0.00	
LOAN-9	250.00	62.52	0.00	187.48	187.48	62.52	0.00	124.96	124.96	62.52	0.00	62.44	
LOAN-10	63.64	43.42	0.00	20.22	20.22	20.22	0.00	0.00	0.00	0.00	0.00	0.00	
LOAN-11	11.36	0.89	4.99	15.66	15.66	0.69	5.00	19.97	19.97	1.50	5.00	23.47	
LOAN-12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.00	200.00	
TOTAL SECURED LOANS	4347.05	953.11	738.74	4132.68	4132.68	818.25	842.60	4157.03	4157.03	570.02	755.00	4342.01	
Unsecured Loans													
Loan 1	4.74	0.94	0.00	3.80	3.80	0.94		2.86	2.86	0.94	0.00	1.92	
Loan 2	21.95	21.95		0.00	0.00			0.00	0.00			0.00	
TOATL UNSECURED LOANS	26.69	22.89	0.00	3.80	3.80	0.94	0.00	2.86	2.86	0.94	0.00	1.92	
GRAND TOTAL	4373.74	976.00	738.74	4136.48	4136.48	819.19	842.60	4159.89	4159.89	570.96	755.00	4343.93	

Notes:

1. Source of Loan means the agency from whom the loan has been taken, such as PFC, REC, ADB etc.
2. Amount repayable is based on the schedule of repayment.
3. Base rate means the base such as PLR, LIBOR etc. over which a margin is to be added.
4. Margin means the points over and above the floating rate.
5. At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.
6. Moratorium period refers to the period during which loan servicing liability is not required.
7. Repayment period means the number of years in which the loan is required to be repaid such as 10 years, 12 years etc.
8. Repayment frequency refers to the interval at which the debt servicing is to be done such as quarterly, half yearly, yearly etc.

S.No.	WYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
Spill Over Works											
1	Procurement of additional RTUs for remaining/ upcoming substations of PSTCL	3,97,32,292	2,21,82,695	4,82,22,024	1,36,92,963	66,06,625	8,49,550	1,94,50,038	38,18,023	-	2,32,68,061
2	220 kV S/Stn Dharamkot	27,20,256	5,670	-	27,25,926	-	27,25,926	-	-	-	-
3	Stringing of 2nd ckt of 220 kV line from 220 kV S/Stn Focal Point Nabha to 220 kV S/Stn Bhawanigarh.	2,19,537	(2,19,537)	-	-	-	-	-	-	-	-
4	220 kV S/Stn Mansa	24,24,025	41,68,419	57,82,408	8,10,036	12,686	8,22,722	-	-	-	-
5	132 kV S/Stn Badal	27,557	2,32,51,836	27,557	2,32,51,836	36,27,109	2,68,78,945	-	-	-	-
6	400 kV Dhuri Sub Station	12,20,240	22,45,829	15,53,907	19,12,162	84,709	19,96,871	-	-	-	-
7	220 kV Goindwal Sahib- Botianwala DC line	54,77,884	13,97,579	10,73,970	58,01,493	1,55,885	58,01,493	-	-	-	-
8	220 kV Rajpura-Devigarh DC line	70,108	89,52,670	62,36,077	27,86,701	(15,99,301)	11,87,400	-	-	-	-
9	220 kV Nakodar-Rehanajattan DC line	61,254	3,40,445	-	4,01,699	(4,01,699)	-	-	-	-	-
10	220 kV Mukatsar-Kotkapura DC line	24,64,75,773	2,65,24,100	25,54,77,374	1,75,22,499	(12,99,124)	1,62,23,375	-	-	-	-
11	220 kV Makhur-Algon DC line	48,39,30,595	4,55,68,774	48,75,69,235	4,19,30,134	6,85,192	4,20,27,618	5,87,708	-	5,87,708	-
12	220 kV Makhur-Rashiana DC line	3,79,05,034	21,48,163	3,80,65,079	19,88,118	-	19,88,118	-	-	-	-
13	220 kV Abohar- Malout DC line	22,55,94,950	1,73,21,174	12,50,170	24,16,65,954	(23,18,992)	3,25,25,422	23,93,46,962	3,25,25,422	-	27,18,72,384
14	220 kV Moga- Mehalikaian DC line	3,92,993	(56,065)	3,36,928	3,36,928	-	3,36,928	-	-	-	-
15	220 kV PGCL(Ludhiana)- Doraha DC line	22,44,069	1,56,88,240	34,66,442	1,44,65,867	1,40,19,189	12,32,706	2,42,52,350	70,82,852	-	3,13,35,202
16	220 kV Mukatsar-Malout DC line	9,159	(9,159)	-	-	-	-	-	-	-	-
17	220 kV Nakodar- Ladowal DC line	2,57,99,812	12,69,244	2,58,04,467	12,64,589	-	12,64,589	-	-	-	-
18	LILO of one ckt of Humbran - Ferozpur Road Ludhiana line at Ladowal	19,04,238	-	18,48,827	55,411	-	-	55,411	-	55,411	-
19	LILO of Patran- Kakraia & Patran- Rajla lines at 400 kV PGCL Patran	16,36,492	(5,13,467)	11,23,025	-	-	-	-	-	-	-
20	220 kV S/S Maur (U/G from 132 kV)	1,70,13,868	15,83,605	1,69,57,401	16,40,072	67,46,317	83,86,389	-	-	-	-
21	LILO of one ckt of GHTP- Talwandi Sabo line at Maur	33,63,218	(30,92,199)	1,27,142	1,43,877	94,493	2,38,370	-	-	-	-
22	220 kV S/S Hoshiapur (upgradation from 132 kV)	1,00,14,524	7,93,218	1,08,07,742	-	(11,95,461)	(11,95,461)	-	-	-	-
23	220 kV S/S Baghapurana	7,213	9,33,905	1,33,829	8,07,289	(3,41,750)	4,65,539	-	-	-	-
24	220 kV S/S Kanjali	7,373	79,364	7,373	79,364	4,86,471	5,65,835	-	-	-	-
25	220 kV S/S Mastawal	-	33,15,443	-	33,15,443	45,43,807	78,59,250	-	-	-	-

S.No.	MYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
28	220 KV S/S Verpal	-	(11,43,110)	(11,43,110)	-	-	-	-	-	-	-
29	220 KV S/S Ablawal	3,653	9,69,033	7,67,149	2,05,537	-	2,05,537	-	-	-	-
30	LILO of both ckt.s of Patiala-Mandi Gobindgarh DC line at 400 KV Rajpura	17,63,889	(16,89,196)	-	74,693	-	-	-	-	-	-
31	132 KV S/S Ekalgadda	2,86,638	3,09,309	4,46,675	1,49,272	16,031	1,65,303	-	-	-	-
32	132 KV G.T. Road Amritsar	3,32,993	1,70,561	1,414	5,02,140	-	5,02,140	-	-	-	-
33	132 KV Power Colony Amritsar	-	13,17,358	(34,671)	13,52,029	11,220	13,63,249	-	-	-	-
34	Bus Bar Protection scheme for 45 no S/Srns. (90% funding Under Power System Development Fund (PSDF), 10% amount accounted for in FY 2017-18	96,10,261	30,85,614	95,97,412	30,98,463	6,60,594	10,06,921	27,52,136	2,26,750	-	29,78,886
35	220 KV S/Stn Jadia (U/G from 132 KV)	-	-	-	-	-	-	-	-	-	-
36	220 KV S/Stn Dera Bassi/ Saidpura	-	13,12,854	13,12,854	-	-	-	-	-	-	-
37	220 KV S/Stn Dharamkot	74	16,17,486	(1,69,366)	16,17,560	(2,96,810)	55,600	12,65,150	2,793	12,67,943	-
38	220 KV S/Stn Badhni Kalan (U/G from 132 KV)	(66,591)	2,55,028	(1,69,366)	3,57,823	-	3,57,823	-	-	-	-
39	LILO of 220 KV line from 400 KV S/Stn Moga to 220 KV S/Stn Himmatpura at 220 KV S/Stn Badhni Kalan	7,63,321	(1,68,581)	5,84,729	10,011	-	-	10,011	-	-	10,011
40	220 KV S/Stn Alawalpur (U/G from 132 KV)	81,56,458	31,17,700	-	1,12,74,158	(57,98,479)	55,35,679	-	1,94,826	-	1,94,826
41	LILO of one ckt. of 220 KV S/Stn BBMB, Jalandhar - 220 KV S/Stn Pong DC line (ckt-3) at 220 KV S/Stn Alawalpur	40,57,426	1,96,424	20,48,096	22,05,754	8,49,121	19,46,753	17,08,122	3,318	8,52,439	8,59,001
42	220 KV S/Stn Talwandi Bhai	11,794	3,50,298	3,62,092	-	-	-	-	-	-	-
43	220 KV S/Stn Amloch	21,27,252	7,93,363	21,42,197	7,78,418	3,95,060	11,73,478	-	2,85,109	-	2,85,109
44	220 KV S/Stn Mansa	(48,662)	(3,259)	(51,921)	-	-	-	-	-	-	-
45	220 KV S/Stn Kartarpur	(2,26,022)	(14,547)	(2,40,569)	-	-	-	-	-	-	-
46	220 KV S/Stn Ghulal	50,300	-	50,300	-	-	-	-	-	-	-
47	Procurement of Emergency Restoration System (ERS)	-	1,55,884	-	1,55,884	1,426	1,57,175	135	(135)	-	-
48	NIPES Systems for 31 no. 220 KV, 100 MVA T/Fs	1,04,24,507	(27,812)	11,70,143	92,26,552	-	92,26,552	-	-	-	-
49	400 KV S/S Mukatsar	5,30,11,302	69,99,256	4,86,02,369	1,14,08,189	1,78,957	1,13,00,749	2,86,397	12,761	2,86,597	12,761
50	132 KV Verpal-Mandi Mandi Line	71,29,844	57,33,344	82,02,567	46,60,621	-	46,60,621	-	-	-	-
51	220 KV S/S Gobindgarh-II	-	1,08,896	-	1,08,896	-	1,08,896	-	-	-	-
52	220 KV S/S Mukatsar	-	18,25,366	6,65,906	11,59,460	8,775	11,68,235	-	-	-	-

S.No.	MYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
53	132 kV Shanan- Kangra- Pathankot line with new ACSR wolf conductor	3,94,71,714	1,92,79,007	5,12,95,983	74,54,738	29,767	74,84,505	-	3,20,595	2,80,308	40,287
54	400 KV S/Stn. Makhu	49,25,515	3,78,447	-	53,03,962	(44,73,517)	3,27,868	5,02,577	19,169	5,02,577	19,169
55	Transmission System for 400 KV Talwandi Sabo Thermal Plant	-	1,55,884	-	1,55,884	(448)	1,55,436	-	-	-	-
56	Automation of 5 no. 220 KV Sub Stations.	1,83,45,595	-	1,83,45,595	-	1,03,55,228	1,03,55,228	-	-	-	-
57	132 KV S/S Tanda	21,23,987	24,00,652	10,36,391	34,88,248	28,47,468	63,35,716	-	6,02,149	5,49,143	53,006
58	220 KV Murrmehal	1,07,100	1,27,582	-	2,34,682	1,89,718	4,24,400	-	-	-	-
59	LILO of 2nd ckt. of 400 KV S/S PGCIL Jalandhar-220 KV S/S Kotla Jagan (Nakodar) line at 220 KV S/S Kartarpur	2,69,44,478	73,74,703	3,05,16,859	38,02,322	25,07,868	60,84,067	2,26,123	1,93,064	3,88,219	30,968
60	220 KV S/S Bajakhana	(40,319)	40,319	-	-	-	-	-	-	-	-
61	Power System Development Fund (PSDF) scheme for second source of Battery at 220 and 132 KV S/stn.(90% funding Under PSDF, 10% amount accounted for in FY 2017-18	-	-	-	-	-	-	-	1,14,48,347	17,69,758	96,78,589
62	132 KV S/Stn Malout	4,27,004	(4,24,156)	2,848	-	-	-	-	-	-	-
63	220 KV S/Stn Bangan	1,85,59,182	26,90,805	1,62,62,656	49,87,331	2,02,528	51,89,859	-	-	-	-
64	LILO of 220 KV line from 220 KV S/Stn Himmatpura to 220 KV S/Stn Jagraon at 220 KV S/Stn Ajitwal.	1,41,11,732	1,59,77,750	1,72,82,416	1,28,07,066	5,88,650	1,33,95,716	-	2,18,091	2,12,686	5,405
65	220 KV S/Stn Ajitwal	1,91,66,456	62,804	1,91,29,547	99,713	9,99,647	10,99,360	-	-	-	-
66	220 KV S/Stn Ferozepur Rd. Ludhiana	-	-	-	-	-	-	-	2,33,158	2,10,071	23,087
67	220 KV S/Stn Majitha	35,589	-	35,589	-	-	-	-	-	-	-
68	220 KV S/Stn Wadaia Granthian	(2,02,467)	-	(2,02,467)	-	-	-	-	2,69,514	-	2,69,514
69	220 KV S/Stn Bangan	-	14,63,090	-	14,63,090	14,877	14,77,967	-	-	-	-
70	220 KV S/Stn Patran	-	4,70,643	-	4,70,643	9,00,021	5,07,254	13,70,664	-	13,70,664	-
71	220 KV S/Stn Jadia (U/G from 132 KV)	1,80,430	8,85,324	5,59,791	5,05,963	1,291	5,07,254	-	-	-	-
72	132 KV S/S Phillaur	9,956	1,46,028	1,55,984	-	-	-	-	-	-	-
73	220 KV S/S Rashiana	4,74,819	53,142	(2,91,832)	8,19,793	-	8,19,793	-	-	-	-
74	220 KV S/S Dhandhari Kalan 1 and 2	23,96,105	2,83,76,906	-	3,07,73,011	21,28,247	-	3,29,01,258	1,84,91,080	-	5,13,92,338
75	220 KV S/S Sahnewal	39,16,006	1,40,26,003	-	1,79,42,009	91,97,260	-	2,71,39,269	9,58,620	2,08,94,317	72,03,572
76	132 KV Jamaipur-Moga line Ckt. No. 1	-	-	-	-	35,40,195	-	35,40,195	52,32,813	78,48,297	9,24,711
77		-	-	-	-	-	-	-	-	-	-

S.No.	MYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
78	220 kV Talwandi Sabo	-	1,150	1,150	-	-	-	-	-	-	-
79	220 kV Talwandi Sabo	-	13,32,337	11,50,907	1,81,430	554	1,81,984	-	-	-	-
80	Water content measurement kit	-	15,47,282	8,94,450	6,52,832	-	6,52,832	-	-	-	-
81	Air conditioning of S/Stn's	9,34,418	72,566	6,55,549	3,51,435	13,52,458	16,11,667	92,226	61,484	1,53,710	-
82	Procurement of Hardwares, Server, Furniture, IT Space renovation (Civil Works) & Unforeseen Capital Expenditure	26,754	6,42,350	-	6,69,104	-	6,69,104	-	-	-	-
83	Replacement of conductor of 220 kV line from 400 kV S/Stn Ludhiana to 220 kV S/Stn Lalton Kalan (2nd ckt) with HTLS conductor	18,00,654	-	14,30,330	3,70,324	-	3,70,324	-	-	-	-
84	220 kV S/Stn Sadiq	-	9,52,63,164	7,08,41,117	2,44,22,047	(29,76,024)	2,14,46,023	-	-	-	-
85	220 kV S/Stn Bajakhana	8,50,68,287	63,91,075	8,76,94,899	37,64,463	(22,84,237)	14,80,226	-	-	-	-
86	220 kV S/Stn Jamsher	17,33,232	3,01,479	20,25,699	9,012	(9,012)	-	-	4,180	4,180	-
87	220 kV S/Stn Ghubaya	1,72,53,685	13,79,987	1,73,04,765	13,28,907	2,85,215	16,12,122	-	-	-	-
88	220 kV S/Stn Talwandi Bhai	3,30,567	66,978	2,99,315	98,630	(2,331)	12,21,783	96,299	5,376	96,299	5,376
89	220 kV S/Stn Chogawan	(2,98,908)	(9,68,267)	(13,51,366)	84,191	11,37,592	87,496	-	75,843	75,843	-
90	220 kV S/Stn Badal	34,59,136	1,25,944	35,02,338	82,742	4,754	-	-	-	-	-
91	220 kV S/Stn Dasuya	2,04,88,472	18,60,097	37,31,923	1,86,16,646	7,66,40,943	5,27,23,649	4,25,31,940	25,87,436	4,34,91,632	16,27,764
92	220 kV S/Stn Badhni Kalan (U/G from 132 kV)	23,48,192	1,02,747	23,01,439	1,49,500	32,455	1,49,500	32,455	1,412	32,455	1,412
93	220 kV S/Stn Banga (U/G from 132 kV)	4,58,32,343	12,08,59,113	4,38,22,591	12,28,68,865	25,76,820	12,13,00,312	41,45,373	1,37,414	41,03,775	1,79,012
94	LILO of 220 kV Jadia - Jamsher SC line at 220 kV S/Stn Banga (Proposed)	7,85,764	(7,86,764)	-	-	-	-	-	-	-	-
95	220 kV S/Stn Sherpur (Focal Point) (U/G from 66 kV grid with 220 kV side GIS and 66 kV side Conventional)	-	-	-	-	43,69,869	-	43,69,869	4,20,583	-	47,90,452
96	LILO of both ckt's of 220 kV S/Stn Jamaipur - 220 kV S/Stn Dhandari Kalan - 1 line at 220 kV S/Stn Sherpur (Focal Point)	1,39,678	53,573	1,39,678	53,573	54,873	1,08,446	-	11,37,167	-	11,37,167
97	Replacement of conductor of 220 kV line from 400 kV S/Stn Ludhiana to 220 kV S/Stn Lalton Kalan (1st ckt) with HTLS conductor	90,121	-	90,121	-	-	-	-	-	-	-
98	220 kV S/Stn Budhiada (U/G from 66 kV)	4,757	2,15,83,363	-	2,15,88,120	94,65,805	-	3,10,53,925	65,46,319	-	3,76,00,244
99	220 kV S/Stn Mansa - 220 kV S/Stn Budhiada DC Line	5,64,653	(5,64,653)	-	-	-	-	-	-	-	-

T-14 & T 15

S.No.	WYT/Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
100	220kv S/S Alawalpur	41,10,788	2,14,12,769	1,03,187	2,54,20,370	33,91,947	2,58,49,922	29,62,395	3,58,036	-	33,20,431
101	220 kv S/S Patran	51,83,906	16,31,026	-	68,14,932	11,46,838	79,61,770	-	-	-	-
102	220 kv S/S Baghapurana	8,27,485	33,88,790	31,64,424	10,51,851	1,54,294	12,06,145	-	-	-	-
103	(i) 400 kv Bays (ii) 220 kv Bays at 400 kv S/Stn Doraha	1,53,60,564	61,30,538	1,84,38,822	30,52,280	(14,36,090)	16,16,190	-	-	-	-
104	220 kv Banur-Mohali (GMADA) DC line	1,08,896	(1,08,896)	-	-	-	-	-	-	-	-
105	220 kv DC line from 400 kv Grid near Doraha to 220 kv Kohara	73,202	(53,573)	19,629	-	-	-	-	-	-	-
106	220 kv Bays (2Nos. at 220 kv Ikolaha, 2 Nos. at Doraha, 2Nos. at Kohara and 6 Nos. at 400 kv Grid new Doraha (220 kv bus))	4,21,152	18,760	4,39,912	-	-	-	-	-	-	-
107	UILO of 220 kv S/Stn Mansa - Sunam (SC) at 400 kv S/Stn Patran (220 kv bus).	43,55,123	(33,60,092)	9,95,031	-	-	-	-	-	-	-
108	Aug/Strengthening of bus bars	-	22,35,181	17,54,310	4,80,871	3,56,887	8,37,758	-	-	-	-
109	Provision for Reactive Compensation	-	13,22,492	-	13,22,492	5,37,797	18,60,289	-	-	-	-
110	Addition of bays/system strengthening required on account of RE generation	11,93,367	39,99,837	20,78,843	31,14,361	1,84,42,168	37,96,072	1,77,60,457	3,18,84,485	4,28,32,765	68,12,177
111	Replacement of 11 kv VCBs with SCADA Complaint VCBs at various sub stations in the city of Ludhiana, Jalandhar & Amritsar	11,62,327	4,43,971	16,06,298	-	-	-	-	16,99,355	4,96,856	12,02,499
112	220 kv DC line from 220 kv S/Stn Gaunagarh to 220 kv S/Stn Ladhawal.	9,70,84,513	9,12,48,577	-	18,83,33,090	3,72,04,864	20,60,76,584	1,94,61,370	8,78,352	1,96,69,278	6,70,444
113	220 kv S/Stn Alawalpur	15,65,478	33,11,744	22,40,632	26,36,590	8,75,69,743	5,52,51,095	3,49,55,238	21,58,207	3,58,48,843	12,64,602
114	220 kv S/Stn Maur	33,47,882	1,42,003	33,70,749	1,19,136	5,05,179	6,24,315	-	-	-	-
115	220 kv S/Stn Sahnewal	10,67,314	(12,000)	10,55,314	-	-	-	-	-	-	-
116	220 kv S/Stn Kharar	29,64,498	(2,94,876)	26,69,622	-	-	-	-	-	-	-
117	220 kv S/Stn Laitu	21,400	-	21,400	-	-	-	-	-	-	-
118	220 kv S/Stn Tibber	17,99,441	9,35,245	-	27,34,686	6,63,80,690	5,28,60,305	1,62,55,071	1,88,29,056	3,35,04,311	15,79,816
119	220 kv S/Stn Udhoke	14,42,583	45,98,775	-	60,41,358	1,14,23,043	-	1,74,64,401	(21,50,385)	-	1,53,14,016
120	220 kv S/Stn Hoshiarpur	6,38,525	3,69,199	6,38,525	3,69,199	25,166	3,94,365	-	-	-	-
121	Aug/Strengthening of bus bars	51,89,179	20,24,877	7,88,423	64,25,633	9,13,374	4,98,847	68,40,160	15,86,726	5,23,588	79,03,298
122	Extension in Switchyard buildings, Provision for AC extn.	19,51,118	64,269	19,51,118	64,269	-	64,269	-	-	-	-

S.No.	MYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
123	Addition of bays/system strengthening required on account of RE generation	2,87,70,930	1,68,72,465	4,09,06,752	47,36,643	44,29,830	91,66,473	-	6,04,941	4,17,996	1,86,945
124	132 kV Moga-II (Dhaleke)	9,459	-	9,459	-	-	-	-	-	-	-
125	220 kV Sunam	2,37,618	92,108	3,29,705	21	(21)	-	-	-	-	-
126	220 kV Banga	10,366	2,94,578	3,04,944	-	-	-	-	-	-	-
127	132 kV Pathankot	-	-	-	-	-	-	-	-	-	-
128	220 kV Mohali	10,57,435	(10,57,435)	-	-	-	-	-	-	-	-
129	220 kV S/Stn Bhawanigarh	4,69,926	11,24,661	11,594	15,94,587	91,95,259	-	1,07,89,846	37,33,377	1,38,00,232	7,22,991
130		11,594	382	11,594	382	(382)	-	-	-	-	-
131	220 kV S/Stn Jadia	68,945	97,93,672	68,945	97,93,672	1,20,61,810	-	2,18,55,482	3,76,218	2,11,78,797	10,52,903
132	220 kV S/Stn Botianwala (Thatha Sahib)	-	-	-	-	47,20,178	-	47,20,178	37,72,625	-	84,92,803
133	220 kV S/Stn Majitha	6,99,279	476	6,99,755	-	-	-	-	-	-	-
134	132 kV S/Stn Pathankot	1,22,913	21,14,160	21,47,099	89,974	98,480	1,88,454	-	17,00,318	-	17,00,318
135	132 kV JGC, Bathinda	12,04,955	9,45,395	14,08,900	7,40,550	-	7,40,550	-	-	-	-
136	Aug/Strengthening of bus bars	58,96,191	62,02,404	58,96,191	62,02,404	1,06,80,306	20,57,824	1,48,24,886	49,49,788	1,75,04,019	22,70,655
137	Extension in Switchyard buildings, Provision for AC etc.	3,13,156	20,630	-	3,33,786	-	3,33,786	-	16,709	-	16,709
138	Addition of bays/system strengthening required on account of RE generation	33,50,517	2,05,72,707	-	2,39,23,224	14,53,740	2,53,76,964	-	-	-	-
139	220 kV DC line from 400 kV Jalandhar (PGCIL) to 220 kV Kartarpur	7,17,114	-	-	7,17,114	-	-	-	-	-	-
140	Un-foreseen emergency works	4,99,92,830	1,03,38,452	4,08,19,227	1,95,12,055	(29,98,020)	95,62,593	69,51,442	10,21,969	28,28,741	51,44,670
141	LILO of 220 kV Jadia - Jamsher SC line at 220 kV S/Stn Banga (Proposed)	8,75,02,341	61,54,768	8,79,23,622	57,33,487	2,07,383	59,40,870	-	-	-	-
142	Aug/Strengthening of bus bars	20,92,654	11,60,519	12,92,453	19,60,720	6,16,421	25,77,141	-	8,87,932	-	8,87,932
143	Aug/Strengthening of bus bars	3,91,34,656	67,82,200	4,20,97,515	38,19,341	2,96,843	41,16,184	-	-	-	-
144	Aug/Strengthening of bus bars	3,66,40,500	73,18,663	2,60,77,147	1,78,82,016	15,50,331	1,23,99,000	70,33,347	19,05,359	20,81,847	68,56,859
145		2,11,11,959	(1,50,12,645)	32,12,944	28,86,370	(997)	28,85,373	-	-	-	-
146	Approved by CE/TS	-	2,64,414	-	2,64,414	-	2,64,414	-	-	-	-
147		94,924	-	-	94,924	-	-	94,924	(90,316)	-	4,608
148		1,54,457	-	-	1,54,457	4,78,25,718	-	4,79,80,175	4,71,42,207	-	9,51,22,382
149		29,63,599	2,07,155	-	31,70,754	16,68,345	48,39,099	-	-	-	-
150		1,39,98,847	42,29,942	54,38,764	1,27,90,025	30,77,136	1,04,34,255	54,32,906	70,10,378	72,47,918	51,95,366
151	Scheme for providing 45 nos. Remote Terminal Units for SCADA/EMS system at 220 & 132 kV Substations of PSTCL in Punjab	31,285	11,30,204	-	11,61,489	14,40,397	-	26,01,886	-	-	26,01,886

T-14 & T 15

S.No.	WY Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
152	132 kV Faridkot - Kortapur-2 SC link (Amendment no. 16 / 2018-19) (2no. 132 kV line bays (one at each end))	10,63,562	39,024	-	11,02,586	(4,22,406)	6,80,180	-	1,01,80,048	-	1,01,80,048
153	Unforeseen Expenditure on works on 2018-19	-	-	-	-	64,46,377	64,46,377	-	-	-	-
154	New Civil Works in respect of 5 no. stores such as sheds, plinths and Boundary walls etc.	1,01,98,391	32,64,738	1,05,65,456	28,97,673	-	28,97,673	-	5,56,012	-	5,56,012
155	132 kV Sihora-132 kV Seh SC line 2no. 132 kV line bays (one at each end)	-	-	-	-	-	-	-	14,73,567	-	14,73,567
156	220 kV S/S Sahnewal	-	-	-	-	49,758	49,758	-	-	-	-
157	Bus Bar Protection scheme for 45 no S/Stns. (90% funding Under Power System Development Fund (PSDF), 10% amount accounted for in FY 2017-18	7,37,323	24,287	7,37,323	24,287	-	24,287	-	95,815	95,815	-
158	220 kV S/StnBanga (U/G from 132 kV)	-	4,98,533	-	4,98,533	-	4,98,533	-	-	-	-
159	400 kV S/Stn. Makhu	-	-	-	-	2,48,922	-	2,48,922	48,79,265	45,81,785	5,46,402
160	220 kV DC line from 400 kV Grid near Doraha to 220 kV Kohara	-	-	-	-	-	-	-	22,19,003	-	22,19,003
161	220 kV S/S Beas (new)	7,21,928	3,42,073	7,16,120	3,47,881	30,63,408	-	34,11,289	48,33,294	71,23,047	11,21,536
162	400 kV Rajpura-220 kV Bassi Pathana DC Link. (Amendment no. 13 / 2019-20)	5,58,474	(1,11,588)	(1,79,296)	6,26,182	39,28,983	3,70,406	41,84,759	55,73,527	60,40,398	37,17,888
163	Procurement of Hardwares, Server, Furniture, IT Space renovation (Civil Works) & Unforeseen Capital Investment	-	-	-	-	3,33,57,756	3,33,57,756	-	-	-	-
164	220 kV S/Stn Sadiq	1,988	10,58,611	-	10,60,599	-	10,60,599	-	-	-	-
165	220 kV Bays (2Nos. at 220 kV Ikolaha, 2 Nos. at Doraha, 2Nos. at Kohara (220 kV busland 2 no. ICT bays	-	-	-	-	1,55,885	1,55,885	-	-	-	-
166	220 kV Patti	-	6,41,80,820	-	6,41,80,820	23,58,05,462	29,84,75,186	15,11,096	10,84,66,872	7,57,52,158	3,32,25,810

T-14 & T 15

S.No.	MYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
167	220 kV DC line from 220 kV S/StnGaunggarh to 220 kV S/StnLadhowal.	-	19,77,136	-	19,77,136	2,94,791	1,55,884	21,16,043	-	21,16,043	-
168	220 kV S/StnGhubaya	8,71,451	3,03,090	10,69,220	1,05,321	-	1,05,321	-	-	-	-
169	220 kV DC line from 400 kV Jalandhar (PGCL) to 220 kV Kartarpur	-	-	-	-	1,88,168	1,88,168	-	2,48,922	-	2,48,922
170	220 kV Ferozpur road Ludhiana	-	4,18,472	1,48,618	2,69,854	36,170	3,06,024	-	-	-	-
171	220 kV Dhandari Kalan - 2	-	-	-	-	-	-	-	6,99,273	-	6,99,273
172	220 kV S/StnSherpur (Focal Point) (U/G from 66 kV grid with 220 kV side GIS and 66 kV side Conventional)	-	-	-	-	16,30,86,610	-	16,30,86,610	4,30,72,707	-	20,61,59,317
173	220 kV S/StnBudhlada (U/G from 66 kV)	-	-	-	-	1,52,77,629	-	1,52,77,629	78,86,607	-	2,31,64,236
174	132 kV IGC, Bathinda	-	4,97,845	-	4,97,845	2,122	4,99,967	-	-	-	-
175	400 kV S/StnDoraha (New at Village Dhanansu)	-	-	-	-	-	-	-	1,86,09,991	-	1,86,09,991
176	(i) 400 kV Bays (ii) 220 kV Bays at 400 kV S/StnDoraha	-	-	-	-	-	-	-	18,28,791	8,33,101	9,95,690
177	132 kV Samadh Bhai	90,32,945	53,02,544	1,23,63,227	19,72,262	38,94,569	58,66,831	-	-	-	-
178	132 kV Pathankot	58,26,101	53,86,730	95,27,445	16,85,386	-	16,85,386	-	-	-	-
179	220 kV S/Stniadla	22,71,304	38,99,966	-	61,71,270	16,82,339	-	78,53,609	3,95,554	77,48,376	5,00,787
180	220 kV S/StnBotianwala (Thatha Sahib)	-	15,84,963	-	15,84,963	8,83,39,377	7,85,36,024	1,13,88,316	3,57,37,423	3,67,65,112	1,03,60,627
181	220 kV S/StnMajitha	-	24,06,595	-	24,06,595	28,35,220	-	52,41,815	68,27,189	-	1,20,69,004
182	400 kV S/StnMukatsar - 220 kV S/StnFazilka 220 kV DC line	-	-	-	-	1,40,690	1,40,690	-	-	-	-
183	220 kV Bays	-	69,353	-	69,353	14,00,410	11,83,396	2,86,367	-	2,86,367	-
184	220 kV S/S Rashiana	-	15,10,396	11,03,942	4,06,454	9,232	4,15,686	-	-	-	-
185	New Civil Works in respect of 5 no. stores such as sheds, plinths and Boudry walls etc.	1,29,26,573	83,16,433	1,79,30,773	33,12,233	24,60,271	57,72,504	-	-	-	-
186	220 kV S/StnBanga (U/G from 132 kV)	-	-	-	-	52,297	-	52,297	21,60,329	15,05,681	7,06,945
187	220 kV S/StnMansa - 220 kV S/StnBudhlada DC Line	5,99,782	-	-	5,99,782	6,27,02,431	-	6,33,02,213	16,80,33,505	-	23,13,35,718

T-14 & T 15

S.No.	MYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
188	400 KV S/StnDoraha (New at Village Dhanansu)	-	-	-	10,94,55,356	10,94,55,356	-	10,94,55,356	10,03,18,869	17,74,56,310	3,23,17,915
189	LILO of one ckt. of 400 kV/Jalandhar-Kurukshetra D/C line f at 400 KV Dhanansu(Quad Moose)	-	-	-	1,56,54,702	1,56,54,702	-	1,56,54,702	13,56,09,417	-	15,12,64,119
190	220 KV DC line from 400 KV Grid near Doraha to 220 KV Kohara	-	-	-	-	-	-	-	3,13,91,554	-	3,13,91,554
191	220 KV DC line from 400 KV Grid near Doraha to 220 KV	-	-	-	-	-	-	-	1,52,11,919	-	1,52,11,919
192	LILO of 220 KV S/Stn Mansa - Sunam (SC) at 400 KV	2,68,37,296	9,38,97,210	-	12,07,34,506	12,64,78,821	-	24,72,13,327	10,36,91,315	-	35,09,04,642
193	S/StnPatran (220 KV bus). 220 KV DC line from 220 KV S/StnGausgarh to 220 KV S/StnLadhawal.	4,14,292	(1,19,991)	2,94,301	-	-	-	-	2,79,872	2,62,461	17,411
194	1. Aug/Strengthening of bus bars	-	-	-	-	-	-	-	23,177	-	23,177
195	1. Aug/Strengthening of bus bars 2. Extension in Switchyard buildings, Provision for AC etc. 3. Provision for Reactive Compensation 4. Addition of bays/system strengthening required on account of RE generation	9,15,754	10,62,850	92,576	18,86,028	69,39,968	18,22,791	70,03,205	8,32,714	71,90,286	6,45,633
196	LILO of one ckt. of 400 kV/Jalandhar-Kurukshetra D/C line f at 400 KV Dhanansu(Quad Moose)	-	-	-	-	-	-	-	35,43,218	33,07,896	2,35,322
197	1. Aug/Strengthening of bus bars 2. Extension in Switchyard buildings, Provision for AC etc. 3. Provision for Reactive Compensation 4. Addition of bays/system strengthening required on account of RE generation	-	-	-	-	45,04,077	18,78,824	26,25,253	1,00,15,413	1,03,49,815	22,90,851
198	132 KV Sihora-132 KV Seh SC line 2no. 132 KV line bays (one at each end)	6,07,529	39,25,704	-	45,33,233	3,00,14,610	-	3,45,47,843	2,98,75,881	-	6,44,23,724

S.No.	MYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
199	400 kv S/Stn Nakodar(2x315 MVA, 400/220 kv) (Amendment no. 43 /2018-19)	-	-	-	-	-	-	-	1,32,78,492	-	1,32,78,492
200	220 kv Dhandari Kalan - 2	-	17,31,762	-	17,31,762	92,59,677	-	1,09,91,439	25,55,045	-	1,35,46,484
201	DRP-37, Amendment no 24/2020-21 dt 16.03.21	-	-	-	-	1,11,331	-	1,11,331	88,851	-	2,00,182
202	132 kv link between 132 kv Gt Road- 132 kv Sakatri Bagh through 132 kv	-	2,45,46,706	-	2,45,46,706	16,60,21,594	-	19,05,68,300	9,34,08,687	27,46,31,481	99,45,506
203	LTO of both ckts of 220 kv S/Stn Jamalpur - 220 kv S/StnDhandari Kalan- l line at 220 kv S/StnSherpur (Focal Point)	-	-	-	-	25,54,273	25,54,273	-	-	-	-
204	1. Aug/Strengthening of bus bars 2. Extension in Switchyard buildings, Provision for AC etc. 3. Provision for Reactive Compensation 4. Addition of bays/system strengthening required on account of RE generation	5,67,941	25,86,775	2,96,775	28,57,941	42,31,444	24,00,425	46,88,960	99,41,092	16,53,506	1,29,76,546
205	1. Aug/Strengthening of bus bars 2. Extension in Switchyard buildings, Provision for AC etc. 3. Provision for Reactive Compensation 4. Addition of bays/system strengthening required on account of RE generation	20,93,627	3,08,549	19,05,355	4,96,821	(4,946)	4,91,875	-	-	-	-
206		32,60,553	1,67,68,030	8,12,690	1,92,15,893	63,74,110	8,79,622	2,47,10,381	86,14,322	-	3,33,24,703
207		39,317	1,29,39,869	68,01,067	1,29,79,186	24,70,330	41,907	1,54,07,609	2,44,15,825	-	3,98,23,434
208		68,01,067	2,24,024	68,01,067	2,24,024	-	2,24,024	-	21,34,009	-	21,34,009
Total Spill Over (A)		2,07,00,30,477	1,01,97,39,669	1,73,26,79,407	1,35,70,90,739	1,58,88,23,290	1,32,52,74,601	1,61,66,89,428	1,23,04,55,157	90,16,68,641	1,94,54,25,944
New Works											
1	Scheme for providing 45 nos. Remote Terminal Units for SCADA/EMS system at 220 & 132 kv Substations of PSTCL in Punjab	-	-	-	-	-	-	-	15,38,255	-	15,38,255
2	Installation of bus couplers at various 220 kv & 132 kv S/S	-	-	-	-	43,27,319	14,837	43,12,482	86,38,420	56,52,901	72,98,001

T-14 & T 15

S.No.	MT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
3	1 No. 400KV ICT bay, 1 No. 400 KV Tie bay, 1 No. 400 KV Future bay, 1 No. 220 KV ICT bay at 400 KV Rajpura. Amendment No. 20/ 2018-19	-	-	-	-	22,97,30,222	-	22,97,30,222	13,88,23,086	32,40,03,435	4,45,49,873
4	1 No. 400KV ICT bay, 1 No. 400 KV Tie bay, 1 No. 400 KV Future bay, 1 No. 220 KV ICT bay at 400 KV Rajpura. Amendment No. 20/ 2018-19	-	-	-	-	-	-	-	2,38,903	-	2,38,903
5	Centralised AC system, Furniture & Fixtures (including office ACs)	-	-	-	-	4,78,548	4,78,548	-	-	-	-
6	Upgradation of 66 kv substation old patiala to 22 KV substation	-	9,82,41,312	7,41,77,138	2,40,64,174	(38,16,999)	2,02,47,175	-	-	-	-
7	Termination of direct link 220 KV between Lalton Kalan Sahnewal (Amendment no. 18 / 2018-19)	-	-	-	-	20,51,862	18,806	20,33,056	6,66,173	24,45,200	2,54,029
8	IT equipment including Server, computer, Displays, software etc. for SLDC, Web site and its offices	-	-	-	-	-	-	-	9,86,615	9,86,615	-
9	400 KV S/str. Dhanansu	-	-	-	-	15,24,86,124	-	15,24,86,124	34,28,72,012	17,58,73,373	31,94,84,763
10	Implementation of SAMAST scheme in Punjab (Procurement of meters, communication equipment and Hardware and software for Scheduling, Accounting, Metering and settlement of transaction of Electricity)	-	-	-	-	-	-	-	-	-	-
11	400 kv S/s Ropar New Grid (in the premises of GGSSTP)	-	-	-	-	2,31,662	2,31,662	-	-	-	-
12	Procurement/Replace ment of 66 nos. RTUs for various substations of PSTCL	-	-	-	-	5,26,72,027	11,49,403	5,15,22,624	8,47,394	4,78,29,167	45,40,851
13	400 kv S/s Ropar New Grid (in the premises of GGSSTP)	-	-	-	-	30,71,059	18,63,070	12,07,989	(17,606)	11,90,383	-
14	PT/CVT testing kit for ODTL	6,96,236	-	6,96,236	-	-	-	-	4,800	4,800	-
15	80 nos. interface energy meter (ABT type) of 0.25 accuracy class	-	-	-	-	11,94,250	5,26,875	6,67,375	-	-	6,67,375
16	400 KV bays = 2 Nos	-	-	-	-	-	-	-	-	-	-

S.No.	MYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
17	Remote Control Operation of 400KV S/StnsMukhtsar, Nakodar and Makhu	-	1,74,970	1,08,808	66,162	(7,500)	58,662	-	-	-	-
18	220 KV Kharar	-	-	-	-	1,09,007	1,09,007	-	31,977	27,289	4,688
19	220 KV Banga	-	-	-	-	-	-	14,39,467	-	-	14,39,467
20	220KV G.T. Road Ludhiana (New GIS) or (in Ludhiana area)Includind SAS for RS 1cr.	-	60,53,052	(49,178)	61,02,230	3,48,794	4,99,425	59,51,599	23,16,437	-	82,68,036
21	Providing Plinths for 2 sets (20 No.) of ERS- Emergency Restoration System Towers at 400KV S/S Rejpura,Nakodar and 220KV Muktsar	-	43,23,838	43,23,838	-	-	-	-	-	-	-
22	220 KV Gobindgarh S/S (New Grid in the near by area of existing 220 KV S/S Gobindgarh-I). Includind SAS for RS 1cr.	-	-	-	-	-	-	-	7,71,00,707	7,12,60,205	58,40,502
23	220 KV Gobindgarh S/S (New Grid in the near by area of existing 220 KV S/S Gobindgarh-I). Includind SAS for RS 1cr.	-	-	-	-	3,52,38,830	2,75,45,703	76,93,127	2,31,27,093	1,12,41,147	1,95,79,073
24	Providing PCC in the yard area in 220KV S/S	-	-	-	-	3,41,05,878	2,06,05,944	1,34,99,934	1,24,41,625	2,52,18,566	7,22,993
25	220 KV Gobindgarh S/S (New Grid in the near by area of existing 220 KV S/S Gobindgarh-I). Includind SAS for RS 1cr	-	-	-	-	6,21,132	6,21,217	(85)	85	-	-
26	220 KV Nawanpind (new grid in the premises of 66 KV S/S Nawanpind)Includind SAS for RS 1cr.	-	-	-	-	5,55,161	5,55,161	-	-	-	-
27	Augmentation/additions of transformers at 220/132 kv level.	90,79,136	2,49,19,162	1,58,00,317	1,81,97,981	12,05,45,574	12,48,12,269	1,39,31,286	33,27,87,938	29,00,08,394	5,67,10,830
28	132 KVSwadi Kalan	-	-	-	-	67,03,757	67,03,757	67,03,757	2,31,13,190	2,90,15,455	8,01,492
29	132 KVSwadi Kalan	-	-	-	-	5,26,797	5,26,797	5,26,797	3,54,972	-	8,81,769
30	ii) 220 KV Abohar	-	69,371	-	69,371	7,40,606	7,40,606	8,09,977	23,08,715	11,51,198	19,67,494
31	iii) 220 KV Passiana	-	59,44,387	28,06,736	31,37,651	6,60,164	37,97,815	-	23,180	-	23,180
32	v) 220 KV Mohali - i	-	21,33,408	-	21,33,408	8,37,51,579	8,58,84,987	-	9,88,70,329	5,49,46,506	4,39,23,823
33	vi) 220 KV Banur	-	-	-	-	4,31,855	4,31,855	4,31,855	6,00,106	-	10,31,961
34	x) 220 KV Mahipur	-	32,01,790	-	32,01,790	79,45,750	43,52,761	67,94,779	1,95,028	66,40,682	3,49,125
35	x) 220 KV Kartarpur	-	-	-	-	85,83,804	29,05,286	56,78,518	23,81,825	73,21,586	7,38,757
36	xi) 220 KV Badsahpur	-	-	-	-	(11,97,662)	(11,97,662)	-	9,42,96,093	9,01,55,306	41,40,787

S.No.	MYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
37	xiii) 220 KV Butari	-	-	-	-	50,47,514	-	50,47,514	15,73,879	10,04,134	56,17,259
38	xiii) 220 KV Udhoke	22,63,957	2,15,364	-	24,79,321	3,57,170	28,36,491	-	-	-	-
39	xiv) 220 KV Pakhawal	-	-	-	-	10,79,71,996	10,79,71,996	-	6,03,414	5,59,079	44,335
40	xvi) 220 KV Jagraon	-	1,84,09,809	1,41,98,235	42,11,574	95,805	43,07,379	-	-	-	-
41	xvii) 220 KV Himmatpura	-	-	-	-	-	-	-	2,18,11,805	1,99,22,880	18,88,925
42	xviii) 220 KV Doraha	-	-	-	-	-	-	-	(1,12,444)	(1,31,133)	18,691
43	xix) 220 KV Baghapurana	-	1,74,420	-	1,74,420	5,72,225	7,46,645	-	-	2,229	-
44	xx) 132KV SmadhBhai	-	-	-	-	76,35,909	5,06,171	71,29,738	28,00,250	93,63,783	5,66,205
45	xxii) 132KV Ferozshah	-	-	-	-	6,86,900	6,86,900	-	-	-	-
46	xxvii) 132KV Kathunangal	-	-	-	-	15,83,942	15,83,942	-	-	-	-
47	xxviii) 132KV Bhikhiwind	-	-	-	-	2,64,99,857	2,64,99,857	-	-	-	-
48	xxviii) 132KV Shri Hargobindpur	-	-	-	-	25,562	-	25,562	13,41,716	-	13,67,278
49	xxx) 132KV Phillour	-	-	-	-	2,76,55,349	2,76,55,349	-	5,08,169	4,63,513	44,656
50	xxxii) 132KV Bilaspur	43,384	1,16,492	-	1,59,876	2,59,655	4,19,531	-	-	-	-
51	xxxiii) 132KV Tangra	-	-	-	-	26,34,246	-	26,34,246	28,24,115	-	54,58,361
52	Augmentation of bus bars, extension in control room building, providing room for second source for station battery etc.	20,40,212	94,57,603	62,56,546	52,41,269	3,32,63,612	1,43,72,072	2,41,32,809	5,02,21,785	5,40,18,964	2,03,55,630
53	Additional 220/132/66 kV line bays related with feasibility cases or as per PSPCL requirement.	9,13,659	13,20,338	13,33,428	9,00,569	83,40,129	74,76,029	17,64,669	89,31,944	3,60,432	1,03,36,181
54	Second source of battery at various 220/132 kV S/s of PSTCL	21,151	1,67,017	1,88,168	-	4,47,939	4,47,939	-	5,11,758	3,22,296	1,89,462
55	Additional of 14 No T/f on account of making (N-1) complaint system for those grids where only one T/f existing (Annexure-C).	-	-	-	-	-	-	-	72,14,276	-	72,14,276
56	132 kV S/s Korkapura-I	-	-	-	-	3,12,72,142	3,12,72,142	-	24,25,398	1,71,303	22,54,095
57	132 kV Nawanshehar.	71,769	4,728	76,497	-	-	76,497	-	-	-	-
58	132 kV Kapurthala.	-	-	-	-	-	-	-	5,38,529	4,16,045	1,22,484
59	132 kV Panjgraian.	-	-	-	-	2,21,37,051	2,21,37,051	-	1,22,90,901	3,416	1,22,87,485
60	132 Baluana.	-	-	-	-	-	-	-	63,37,841	55,15,684	8,22,160
61	IGC Bathinda (Aug)	-	-	-	-	2,13,45,338	2,13,45,338	-	61,86,618	-	61,86,618
62	132 kV Gholian Kalan.	-	-	-	-	17,05,697	-	17,05,697	26,99,352	-	44,05,049
63	Augmentation of 132 KV GGSSTP - Aeron) 6 KM 0.2sq") and 132 kV GGSSTP - Ropar (19.76 KM) 0.2sq".	-	-	-	-	-	-	-	49,557	-	49,557

S.No.	MYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e. Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
64	CE/ P&M Agenda No. 145/2017-18 dtd 20.09.17. Best Practices recommended by Protection Sub Committee of NRPC in operation & construction of Sub Stations	-	5,98,465	4,59,765	1,38,700	9,71,293	11,09,993	-	-	-	-
65	132 kV GT Road Amritsar & 132 kV Sakatari Bagh Asr	-	-	-	-	1,95,516	-	1,95,516	21,74,394	-	23,69,910
66	132 kV GT Road Amritsar & 132 kV Sakatari Bagh Asr	-	-	-	-	2,77,686	2,56,829	20,857	20,50,027	9,25,678	11,45,206
67	132 kV GT Road Amritsar & 132 kV Sakatari Bagh Asr	-	-	-	-	55,97,241	13,34,657	42,62,584	45,37,266	81,30,917	6,58,933
68	Unforeseen emergency works	8,55,753	16,37,440	10,02,597	14,90,596	10,71,56,603	10,77,13,470	9,33,729	1,40,13,444	1,55,114	1,47,92,059
69	Unforeseen emergency works	-	-	-	-	4,10,033	4,10,033	-	-	-	-
70	Unforeseen emergency works	-	-	-	-	5,36,390	5,36,390	-	25,04,944	-	25,04,944
71	Unforeseen emergency works	-	-	-	-	5,36,390	5,36,390	-	-	-	-
72	Unforeseen emergency works	-	-	-	-	24,17,318	-	24,17,318	9,59,986	8,58,407	1,01,579
73	220 kV Banga	-	-	-	-	24,17,318	-	24,17,318	11,97,272	33,03,289	3,11,301
74	220 kV Gurdaspur including SAS of RS 1 ct	-	-	-	-	-	-	-	1,56,63,323	-	1,56,63,323
75	Agenda 190/CE/P&M/2021-22	-	-	-	-	33,08,167	33,08,167	-	-	-	-
76	Agenda no 196/CE/P&M	-	-	-	-	-	-	-	53,61,702	45,35,380	8,26,322
77	amendment 07/2022-23 by SE Planning Patiala	-	-	-	-	-	-	-	38,590	-	38,590
78	amendment 15/2021-22 by SE Planning	-	-	-	-	-	-	-	808	-	808
79	AMENDMENT No. 11/2022-23	1,14,35,903	5,95,014	51,15,618	69,15,299	-	69,15,299	-	-	-	-
80	AMENDMENT No. 3/2020-21	-	-	-	-	-	-	-	79,39,648	-	79,39,648
81	AMENDMENT No. 8/2021-22	-	-	-	-	-	-	-	13,485	-	13,485
82	any other	24,050	51,223	-	75,273	-	75,273	-	8,80,008	-	8,80,008
83	Approved by CE/JTS	-	-	-	-	-	-	-	-	-	-
84	Memo no 773/CAO(F&A)/BUDGET-11 V-1 Dt 12-08-2022	-	-	-	-	-	-	-	19,206	19,206	-
85	Augmentation of 132 kV Nawanpind - Verka, 5 KM (0.2sq") and 132 kV Nawanpind - Malmandi (SKM 0.2sq") with suitable HTLS conductor.	-	-	-	-	-	-	-	1,80,675	-	1,80,675
86	sr. no.1, Amendment no. 20/2018-19	-	-	-	-	-	-	-	90,36,807	4,18,050	86,18,777
87	Unforeseen Works	-	-	-	-	-	-	-	16,02,761	16,02,761	-
88	Unforeseen Works	96,384	6,350	-	1,02,734	-	1,02,734	-	-	-	-
89	Unforeseen emergency works	-	-	-	-	-	-	-	73,34,46,704	-	73,34,46,704

S.No.	MYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (ie Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (ie Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (ie Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
90	Unforeseen emergency works	-	-	-	-	-	-	-	7,04,609	-	7,04,609
91		-	-	-	-	-	-	-	5,58,844	-	5,58,844
92		7,60,436	54,10,053	5,52,149	56,18,340	1,58,00,356	1,12,29,999	1,01,88,697	17,90,95,283	3,25,041	18,84,58,939
93		28,58,821	-	-	28,58,821	1,32,023	29,90,844	-	-	-	-
94		-	-	-	-	55,388	55,388	-	-	-	-
95		2,02,186	13,320	-	2,15,506	-	2,15,506	-	-	-	-
96		-	-	-	-	-	-	-	1,470	-	1,470
97	220kV Sub-Station Ladhawal Amendment no: 39/2019-20	-	-	-	-	-	50,589	-	-	-	-
98	24 A immd No. 29 2019-20	-	37,76,815	-	37,76,815	-	37,76,815	-	-	-	-
99	Agenda no. 180/CE/P&M	-	-	-	-	6,95,522	6,95,522	-	-	-	-
100	Agenda no. 180/CE/P&M/2021-22	-	-	-	-	5,21,980	1,99,427	3,22,553	(2)	3,22,551	-
101	Amd. No. 27/2015-16 dt.30.10.15	13,04,757	42,978	13,04,757	42,978	-	42,978	-	-	-	-
102	Amd. No. 39/2018-19 dt. 10.01.19	91,720	6,042	-	97,762	1,26,157	2,23,919	-	-	-	-
103	Amendment no 17/2019-20 dt. 25/06/19 at DPR 31	5,86,280	72,075	-	6,58,355	15,794	-	6,74,149	3,30,023	9,30,387	73,785
104	Amendment no 35 dt. 25/01/16 issued by Dy.CE/Planning memo no. 18/19 Dt. 25/01/2016	2,29,515	24,773	-	2,54,288	-	2,54,288	-	-	-	-
105	Amendment no. 07/2018-19	3,856	127	3,856	127	(127)	-	-	-	-	-
106	Amendment no. 62 in the transmission work list 2012-17 of SE/Planning	-	-	-	-	-	-	-	-	-	-
107	Approved as per EIC Agenda no 26/EIC/TS dt. 22/06/17 in 43rd BOD	67,79,088	35,45,378	78,42,144	24,82,322	25,830	25,08,152	-	4,76,017	-	4,76,017
108	Approved by BOD in 48th meeting held on 16.05.2018	1,65,80,617	42,31,677	1,90,87,695	17,24,599	36,69,510	53,94,109	-	-	-	-
109	Approved by BOD in its 50th meeting held on 29.08.2018 and intimated by Dy.CE/TS Design vide memo no. 1266 dtd 26.09.2018	11,51,561	37,932	11,51,561	37,932	-	37,932	-	-	-	-
110	Approved by BOD vide UO no. 1790/WTD-70.10/PSITCL dtd 08.11.2016	20,62,146	67,926	20,62,146	67,926	-	67,926	-	-	-	-
111	Approved by CE/TS	24,132	(24,132)	-	-	-	-	-	83,93,609	36,94,540	46,99,069
112	Approved by Director/Technical	1,07,03,302	13,09,618	-	1,20,12,920	4,43,469	-	1,24,56,389	50,26,565	-	1,74,82,954
113	B-15/PTA REC Scheme Code 4568	21,87,672	1,44,122	-	23,31,794	3,50,653	26,82,447	-	-	-	-
114	CE/ISO & C PSTCL PATIALA VIDE MEMO NO. 58/59/P-3/138 DT. 22/12/2010	1,13,670	7,489	-	1,21,159	-	1,21,159	-	-	-	-
115	SR. NO. 35 ANN.B S.Z contributory work	-	-	-	-	-	-	-	5,036	-	5,036
116	contributory work	-	-	-	-	-	-	-	13,60,010	-	13,60,010
117	Contributory Works	-	2,52,151	-	2,52,151	(21,644)	2,30,507	-	-	-	-

T-14 & T 15

S.No.	MYT Work Name	Sum of Opening Balance as on 01.04.2020	Sum of Addition made during FY 2020-21	Sum of Transfer to Fixed Asset during FY 2020-21 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2021	Sum of Addition made during FY 2021-22	Sum of Transfer to Fixed Asset during FY 2021-22 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2022	Sum of Addition made during FY 2022-23	Sum of Transfer to Fixed Asset during FY 2022-23 (i.e Asset Created through CAPEX)	Sum of Closing Balance as on 31.03.2023
118	DPR-X- Scheme No. -7517 Amdt No. 14/2013-14 dated 30.4.13	2,41,528	15,912	-	2,57,440	-	2,57,440	-	-	-	-
119	DPR-XIII (Scheme code 8361) Amd. No. 62/13-14 dt 07.02.14	6,80,829	22,426	6,80,829	22,426	2,20,872	2,43,298	-	-	-	-
120	DPR-XIII (Scheme code 8361) Amd. No. 62/13-14 dt 07.02.14	-	6,77,891	4,88,604	1,89,287	-	1,89,287	-	-	-	-
121	P&M WORK	1,79,89,615	66,19,372	1,48,49,118	97,59,869	(12,77,551)	82,02,564	2,79,954	(2,06,701)	-	73,253
122	REC Scheme Code-6440 Sr. No 16	5,68,262	2,42,079	7,25,633	84,708	-	84,708	-	-	-	-
123	SE/ PLANNING, PSTCL	-	-	-	-	1,27,15,704	1,27,15,704	-	-	-	-
124	Sr. No. 2 of 220KV Works list of 2013-14	1,02,936	6,782	-	1,09,718	(6,968)	1,02,750	-	-	-	-
125	the work included as per amendment no. 5/2012-13 vide SE/Planning, patiala memo no. 149/150 on 07.05.2012	1,38,49,410	-	-	1,38,49,410	(21,36,129)	-	1,17,13,281	-	-	1,17,13,281
126	this work includes by CE/SO&C vide letter no. 1338/40 dated 06.09.2010. List A, Annexure A, Sr. no.7A	-	-	-	-	-	-	-	-	-	-
127	Work List 2014-15, Amdt no 20, issued by CE/ Planning PSTCL, Patiala, memo no 431-P-II dt 2013/14	20,408	1,344	-	21,752	-	21,752	-	-	-	-
128		-	-	-	-	-	-	-	3,80,970	-	3,80,970
129		-	-	-	-	-	-	-	1,29,359	1,04,316	25,043
130		-	3,58,849	3,58,849	-	-	-	-	-	-	-
Total New Schemes (B)		30,66,34,341	20,46,78,552	17,55,25,593	13,57,87,300	1,19,38,79,513	73,97,80,135	58,98,86,678	2,29,26,24,056	1,26,27,90,448	1,61,97,20,286
Total of Spill Over & New Works (A + B)		2,17,66,64,818	1,22,44,18,221	1,90,82,05,000	1,49,28,78,039	2,78,27,02,803	2,06,90,54,736	2,20,65,26,106	3,52,30,79,213	2,16,44,59,089	3,56,51,46,230

-108-

Interest and Finance Charges

S. No.	Loan Source	Rate of Interest (%)			Interest Due (Rs. Crore)		
		FY 2022-23	FY 2023-24	FY 2024-25 1st year	FY 2022-23	FY 2023-24	FY 2024-25
I	II	III	IV	V	VI	VII	VIII
I Existing Loans							
A Secured Loans							
1	Loan 1 REC	8.29% TO 9.75%	8.12% TO 10.25%	8.12% TO 10.25%	204.57	192.00	200.00
2	Loan 2 PFC STL	6.5%-7.75%	8.75%	-	6.88	5.71	-
3	Loan 3 PFC	8.45% - 9.01%	8.15% - 8.26%	8.15% - 8.26%	74.41	42.00	38.00
4	Loan 4 NABARD	9.10%	9.10%	9.10%	13.51	11.75	10.00
5	Loan 5 IREDA	9.80%	9.45%	-	15.13	6.00	-
6	Loan 6 BANKS	8.00% TO 8.65%	8.25% TO 9.55%	8.25% TO 9.55%	30.83	25.00	18.00
7	Loan 7 WORKING CAPITAL	7.75% TO 8.55%	7.71% TO 8.90%	7.71% TO 8.90%	18.86	17.72	16.00
8	Sub Total				364.19	300.18	282.00
B Unsecured Loans							
1	Loan 1 PSPCL	INTEREST FREE	INTEREST FREE	INTEREST FREE			
2	Loan 2 GPF	7.10%			0.97		
3	Sub Total				0.97		
II New Loans							
A Secured Loans							
1	Loan 1 REC		9.50%	10.00%		45.00	60.00
2	Loan 2 PFC		8.15%	9.00%		12.71	9.00
3	Loan 3 SBI-CC		8.90%	9.00%		2.18	0.00
4	Loan 4 SBI-WCL		7.71%	7.71%		1.54	0.00
5	Loan 5 REC-SLDC		9.50%	10.00%		0.48	0.50
6	Loan 6 OTHER		9.50%	10.00%		0.00	20.00
7	Sub Total					61.91	89.50
B Unsecured Loans							
1	Loan 1						
2	Loan 2						
3	Loan 3						
4	Loan 4						
5	Sub Total						
III Other Interest & Finance Charges							
1	Cost of raising Finance / Bank Charges				0.28	0.18	0.18
2	Interest on Security Deposit						
3	Penal Interest Charges						
4	Lease Rentals				0.82	Not available with this office	
5	Sub Total				1.10	0.18	0.18
D	Grand Total of Interest & Finance Charges (I.A.5 + I.B.5 + II.A.5 + II.B.5 + III.5)				366.26	362.27	371.68
E	Less: Interest & Finance Charges Capitalised				19.17	Not available with this office	
F	Net Interest & Finance Charges (D - E)				347.09	362.27	371.68

Note :
1. The above information is to be provided in consolidated for Transmission Licensee.

Net Prior Period Expenses / Income

S.No.	Particulars	Previous Year		(Rs. Crore)	
		Actual	ARR	Projection	ARR
I	II	FY 2022-23	FY 2024-25	III	IV
A	Income Relating to Previous Period				
1	Interest income relating to prior period				
2	Income Tax relating to prior period				
3	Excess Provision for Depreciation				
4	Excess Provision for Interest and Finance Charges				
5	Receipts from Consumers				
6	Other Excess Provisions				
7	Other income				
	Sub Total A	0.00			
B	Expenditure Relating to Previous Period				
1	Power Purchase				
2	Operating Expenses				
3	Excise Duty on Generation				
4	Employee Cost				
5	Depreciation				
6	Interest and Finance Charges				
7	A&G Expenses				
8	Withdrawal of Revenue Demand				
9	Infructuous Capital Exp written off for FY 2020-21	1.64			
10	Others				
	Sub-Total B	1.64			
	Net Prior Period Credit/(Charges) : A-B	1.64			

Note :

1. The above information is to be provided in consolidated form in case of Transmission

Form T18

Details of Expenses Capitalised

(Rs. Crore)

S.No.	Particulars	Previous Year		Projection	
		Actual	True-up	ARR	
I	II	FY 2022-23	FY 2022-23	FY 2024-25	V
		III	IV		
1	Interest & Finance charges Capitalised	19.17	0.00		0
2	Employee Expenses Capitalised	33.80	-		-
3	A&G Expenses Capitalised	4.04	-		-
4	R&M Expenses Capitalised	0.85	-		-
5	Any Other Expenses	1.32	-		-
	Grand Total	59.18	0.00	0.00	0.00

Note :

1. Expenses capitalised are submitted for FY 2022-23 based on Audited Accounts.

ajk

Form T19

Debits, Write-offs and Any Other Items

S. No	Particulars	(Rs. Crore)	
		Previous Year True-Up	Projection ARR
		FY 2022-23	FY 2024-25
I	II	III	IV
1	Bad Debt Written Off* (DPS)	-	-
2	Provision for value of obsolete stores	-	-
3	Provision for losses under investigation	-	-
4	Loss on Stock	-	-
5	Infertuous capital exp. Written off	-	-
6	Infertuous capital exp. Written off(for FY 2020-21)	-	-
7	Sundry debits written off	1.23	-
	Total	1.23	-

af

Form T20

Key Characteristics of the Transmission Utility

S.No	Particulars	Previous Year FY 2022-23				At the end of year	Additions proposed during FY 2024-25
		At the start of year	Additions during the year	Withdrawal from service	Actuals		
1	Length of lines (ckt-km)						
	a) 400 kV						
	i) Single Circuit	329,000	0,000	0,000		329,000	30
	ii) Double Circuit	1270,754	66,676	0,000		1337,430	
	b) 220 kV						
	i) Single Circuit	4212,023	10,857	0,000		4222,880	118
	ii) Double Circuit	3668,112	34,304	0,000		3702,416	
	c) 132 kV						
	i) Single Circuit	2498,719	11,101	0,000		2509,820	27
	ii) Double Circuit	599,320	0,000	0,000		599,320	
	Total	12577,928	122,938	0,000		12700,866	175
2	Number of Sub-Stations						
	i) 400 kV	6	1	0		7	0
	ii) 220 kV	103	0	0		103	5 (220 kV Nawalpind, Chitti, Mubarkpur, Wazirabad & Tanda)
	iii) 132 kV	64	0	0		64	0
	Total	173	1	0		174	5
3	Transformation Capacity Added(MVA)						
	i) 400 kV Sub-Station	5390.00	600.00	0		5990.00	1500
	ii) 220 kV Sub-Station *	29981.50	866.50	0		30848.00	1340
	iii) 132 kV Sub-Station *	4335.67	57.50	0		4393.17	40
	Total	39707.17	1524	0		41231.17	2880

Form T20
Key Characteristics of the Transmission Utility

S.No	Particulars	Previous Year FY 2022-23				Additions proposed during FY 2024-25
		Actuals				
		At the start of year	Additions during the year	Withdrawal from service	At the end of year	
4	No. of Transformers at					
	i) 400 kV Sub-Station	13	2	0	15	3
	ii) 220 kV Sub-Station *	452	7	0	459	13
	iii) 132 kV Sub-Station *	178	3	0	181	2
	Total	643	12	0	655	18
5	Number of Bays					
	a) Number of Incoming Bays at					
	i) 400 kV Sub-Station	86	3	0	89	8
	ii) 220 kV Sub-Station	726	25	0	751	22
	iii) 132 kV Sub-Station	520	9	0	529	2
	b) Number of Outgoing Bays at					
	i) 400 kV Sub-Station of					
	(a) 220 kV					14
	(b) 132 kV					0
	(c) 66kV					2
	ii) 220 kV Sub-Station of					
	(a) 132 kV					2
	(b) 66 kV					5
	(c) others					0
	iii) 132 kV Sub-Station of					
	(a) 66 kV					2
	(b) Others					0
	c) Total Number of Bays	1332	37	0	1369	54

Handwritten initials

Form T20
Key Characteristics of the Transmission Utility

S.No	Particulars	Previous Year FY 2022-23				Additions proposed during FY 2024-25
		Actuals				
		At the start of year	Additions during the year	Withdrawal from service	At the end of year	
6	Intra State Transmission Losses (%)					
7	Availability (%)					
	a) 400 kV Lines	99.99				
	i) Single Circuit	98.58				
	ii) Double Circuit					
	b) 220 kV lines	99.92				
	i) Single Circuit	99.92				
	ii) Double Circuit					
	c) 132 kV Lines	99.72				
	i) Single Circuit	99.93				
	ii) Double Circuit					
	d) Transformers	99.92				
	i) 400 kV Sub-Station	99.92				
	ii) 220 kV Sub-Station	99.95				
	iii) 132 kV Sub-Station					
	e) SVCs	100.00				
	f) Bus Reactors					
8	Number of Meters					
	(a) Total no. interface points with Gencos					
	i) No. of interface points with ABT compliant meters					
	ii) No. of interface points with non-ABT compliant meters					
	iii) No. of interface points without meters					
	b) Total no. interface points with Discos					
	i) No. of interface points with ABT compliant meters					
	ii) No. of interface points with non-ABT compliant meters					
	iii) No. of interface points without meters					
	Total					
9	Employee Strength					
	Technical	1876	150		2026	3864
	Non- Technical	494	11	0	505	1203
10	Total	2370	161	0	2531	5067

Form T21

Normative Parameters

Particulars	Unit	Current Year (2022-23)	ARR
			FY 2024-25
I	II	III	IV
Rate of Return on Equity	%	15.50%	15.50%
Target Availability	%	99%	99%
Normative O&M Expenses for WC	in Month	1	1
Spares for WC as % of O&M	%	15%	15%
Receivables in Months for WC	Months	2	2

**Transmission Capacity
FY 2022-23**

S.No.	Source	Approved Capacity (Gross)	Auxiliary Consumption and Transformation Losses	Approved Injection (Net)	PSPCL's Firm Share	
		(MW)	%	MW	%	MW
I	II	III	IV	V	VI	VII
1	NTPC					
i	Singrauli	2000	7.13%	1857.40	10.00%	185.74
ii	Rihand-I	1000	8.00%	920.00	11.00%	101.20
iii	Rihand-II	1000	6.25%	937.50	10.20%	95.63
iv	Rihand - III	1000	6.25%	937.50	8.27%	77.50
v	Anta GPS	419	2.75%	407.48	0.00%	0.00
vi	Auraiya GPS	663	2.75%	644.77	0.00%	0.00
vii	Dadri NCGPS	830	2.75%	807.18	0.00%	0.00
viii	Unchahar-I	420	9.00%	382.20	0.00%	0.00
ix	Unchahar-II	420	9.80%	378.84	14.28%	54.10
x	Unchahar-III	210	9.00%	191.10	8.10%	15.48
xi	Unchahar-IV	500	6.25%	468.75	0.00%	0.00
xii	Jhajjar (JV)	1500	5.75%	1413.75	0.00%	0.00
xiii	Dadri (Th.)-II	980	5.75%	923.65	0.00%	0.00
xiv	Koldam HEP	800	1.00%	792.00	7.73%	61.22
xv	Singrauli SHEP	8	1.00%	7.92	0.00%	0.00
xvi	Tanda Stage-II	1320	5.75%	1244.10	0.00%	0.00
xvii	Meja	1320	6.25%	1237.50	3.64%	45.05
xviii	Kahal gaon-II (ER)	1500	6.25%	1406.25	8.02%	112.78
	Total NTPC	15890		14957.88		748.69
2	NHPC					
i	Bairasiul	180	1.20%	177.84	46.50%	82.70
ii	Salal	690	1.00%	683.10	26.60%	181.70
iii	Tanakpur	94	1.20%	92.87	17.93%	16.65
iv	Chamera-I	540	1.20%	533.52	10.20%	54.42
v	Chamera-II	300	1.20%	296.40	10.00%	29.64
vi	Chamera-III	231	1.20%	228.23	7.86%	17.93
vii	Uri	480	1.20%	474.24	13.75%	65.21
viii	Uri-II	240	1.20%	237.12	8.13%	19.28
ix	Dhauliganga	280	1.20%	276.64	10.00%	27.66
x	Dulhasti	390	1.20%	385.32	8.28%	31.90
xi	Parbati-III	520	1.20%	513.76	7.86%	40.38
xii	SEWA-II	120	1.20%	118.56	8.33%	9.88
xiii	Kishanganga	330	1.20%	326.04	0.00%	0.00
	Total NHPC	4395		4343.6		577.4
3	NPC					
i	NAPP	440	10.50%	393.80	11.59%	45.64
ii	RAPP-B	440	10.50%	393.80	22.73%	89.51
iii	RAPP-C	440	10.50%	393.80	10.41%	40.99
	Total NPC	1320		1181.40		176.15
4	Other Central Sector					
i	Nathpa Jhakri(SJVNL)	1500	1.20%	1482.00	10.13%	150.13
ii	Rampur	412	1.00%	407.88	5.62%	22.92
iii	Tehri(THDC)	1000	1.20%	988.00	7.70%	76.08
iv	Koteshwar(THDC)	400	1.00%	396.00	6.36%	25.19
v	DVC RTPS 1&2	1200	5.75%	1131.00	25.00%	282.75
vi	DVC -Durgapur	1000	5.75%	942.50	20.00%	188.50
vii	DVC -BTPS	500	5.75%	471.25	40.00%	188.50
viii	NVVN Bundled Solar Power	37		37.00	100.00%	37.00

**Transmission Capacity
FY 2022-23**

S.No.	Source	Approved Capacity (Gross)	Auxiliary Consumption and Transformation Losses	Approved Injection (Net)	PSPCL's Firm Share	
ix	SECI Hybrid Power PSA (Solar)	400		400.00	100.00%	400.00
x	NHPC – M/s Avaada Sunrays Energy Private Limited	300		300.00	100.00%	300.00
xi	SECI Solar Power	30		30.00	100.00%	30.00
xii	SECI Wind Power	350		350.00	100.00%	350.00
xiii	SECI Hybrid Power PSA (Wind)	100		100.00	100.00%	100.00
xiv	PTC Tala(Hydro)	1020	1.00%	1009.80	2.94%	29.69
xv	Pragati-III(Bawana)CCGT	1371	2.75%	1333.30	10.00%	133.33
xvi	MALANA-2 (PTC)	100	1.30%	98.70	88.00%	86.86
xvii	KARCHAM (PTC)	1000	1.20%	988.00	20.00%	197.60
xviii	SASAN Ultra Mega Project	3960	6.00%	3722.40	15.00%	558.36
xix	MUNDRA UMPP	4150	8.43%	3799.99	12.50%	475.00
	Total Other Central Sector	18830		17987.82		3631.89
5	Independent Power Producers (IPPs) within Punjab (Private Sector Projects)					
i	Nabha TPP (NPL)	1400	5.71%	1320.06	100%	1320.06
ii	Talwandi Sabo TPP (TSPL)	1980	7.00%	1841.40	100%	1841.40
iii	GVK	540	9.00%	491.40	100%	491.40
iv	NRSE Private Projects	1170.36		1170.36	100%	1170.36
	Total	5090.36		4823.22		4823.22
6	PSPCL Own Stations					
6a	Thermal					
i	GGSSTP, Ropar	840	8.5%	768.60	100%	768.60
ii	GHTP, Lehra Mohabbat	920	8.5%	841.80	100%	841.80
	Total Thermal (Own)	1760		1610.4		1610.4
6b	Hydel					
i	Shannan	110	2.00%	107.80	100%	107.80
ii	UBDC	91.35	0.90%	90.53	100%	90.53
	RSD Net Share Less 20% J&K and 4.6% HP share from RSD	452.4	1.00%	447.88	100%	447.88
iii	ASHP	134	0.65%	133.13	100%	133.13
iv	MHP	225	1.00%	222.75	100%	222.75
v	Micro Hydel	2.5	0.00%	2.50	100%	2.50
vi	Total Hydel (Own)	1015.25		1004.58		1004.58
7	New Stations (PSPCL)					
8	BBMB (Common Pool Stations (PSPCL Share)					
i	Total BBMB (Common Pool Stations (PSPCL Share)	1141.10	0.50%	1135.39		1135.39
9	Grand Total (Transmission Capacity)	49441.71		47044.33		13707.69

Note: 1. The data is to be given by source wise/ station wise.

**Transmission Capacity
FY 2024-25**

S.No.	Source	Approved Capacity (Gross)	Auxiliary Consumption and Transformation Losses	Approved Injection (Net)	PSPCL's Firm Share		Inter-State Transmission Loss	Share (Net at PSTCL Boundary)
		(MW)	%	MW	%	MW	%	MW
I	II	III	IV	V	VI	VII	VIII	IX
1	NTPC							
i	Singrauli	2000	7.13%	1857.40	10.00%	185.74	4.03	178.26
ii	Rihand-I	1000	8.00%	920.00	11.00%	101.20	4.03	97.13
iii	Rihand-II	1000	6.25%	937.50	10.20%	95.63	4.03	91.78
iv	Rihand - III	1000	6.25%	937.50	8.27%	77.50	4.03	74.38
v	Anta GPS	419	2.75%	407.48	0.00%	0.00	4.03	0.00
vi	Aurajya GPS	663	2.75%	644.77	0.00%	0.00	4.03	0.00
vii	Dadri NCGPS	830	2.75%	807.18	0.00%	0.00	4.03	0.00
viii	Unchahar-I	420	9.00%	382.20	0.00%	0.00	4.03	0.00
ix	Unchahar-II	420	9.80%	378.84	14.28%	54.10	4.03	51.92
x	Unchahar-III	210	9.00%	191.10	8.10%	15.48	4.03	14.86
xi	Unchahar-IV	500	6.25%	468.75	0.00%	0.00	4.03	0.00
xii	Jhajjar (JV)	1500	5.75%	1413.75	0.00%	0.00	4.03	0.00
xiii	Dadri (Th.) II	980	5.75%	923.65	0.00%	0.00	4.03	0.00
xiv	Koldam HEP	800	1.00%	792.00	7.73%	61.22	4.03	58.76
xv	Singrauli SHEP	8	1.00%	7.92	0.00%	0.00	4.03	0.00
xvi	Tanda Stage-II	1320	5.75%	1244.10	0.00%	0.00	4.03	0.00
xvii	Meja	1320	6.25%	1237.50	3.64%	45.05	4.03	43.23
xviii	Kahal gaon-II (ER)	1500	6.25%	1406.25	8.02%	112.78	4.03	108.24
	Total NTPC	15890		14957.88		748.69		718.55
2	NHPC							
i	Bairastul	180	1.20%	177.84	46.50%	82.70	4.03	79.37
ii	Salal	690	1.00%	683.10	26.60%	181.70	4.03	174.39
iii	Tanakpur	94	1.20%	92.87	17.93%	16.65	4.03	15.98
iv	Chamera-I	540	1.20%	533.52	10.20%	54.42	4.03	52.23
v	Chamera-II	300	1.20%	296.40	10.00%	29.64	4.03	28.45
vi	Chamera-III	231	1.20%	228.23	7.86%	17.93	4.03	17.21
vii	Uri	480	1.20%	474.24	13.75%	65.21	4.03	62.58
viii	Uri-II	240	1.20%	237.12	8.13%	19.28	4.03	18.51
ix	Dhauliganga	280	1.20%	276.64	10.00%	27.66	4.03	26.55
x	Dulhasti	390	1.20%	385.32	8.28%	31.90	4.03	30.62
xi	Parbati-III	520	1.20%	513.76	7.86%	40.38	4.03	38.76
xii	SEWA-II	120	1.20%	118.56	8.33%	9.88	4.03	9.48
xiii	Kishanganga	330	1.20%	326.04	0.00%	0.00	4.03	0.00
	Total NHPC	4395		4343.6		577.4		554.1
3	NPC							
i	NAPP	440	10.50%	393.80	11.59%	45.64	4.03	43.80
ii	RAPP-B	440	10.50%	393.80	22.73%	89.51	4.03	85.91
iii	RAPP-C	440	10.50%	393.80	10.41%	40.99	4.03	39.34
	Total NPC	1320		1181.40		176.15		169.06
4	Other Central Sector							
i	Nathpa Jhakri(SJVNL)	1500	1.20%	1482.00	10.13%	150.13	4.03	144.08
ii	Rampur	412	1.00%	407.88	5.62%	22.92	4.03	22.00
iii	Tehr(THDC)	1000	1.20%	988.00	7.70%	76.08	4.03	73.01
iv	Koteshwar(THDC)	400	1.00%	396.00	6.36%	25.19	4.03	24.17
v	DVC RTPS 1&2	1200	5.75%	1131.00	25.00%	282.75	4.03	271.37
vi	DVC -Durgapur	1000	5.75%	942.50	20.00%	188.50	4.03	180.91
vii	DVC -BTPS	500	5.75%	471.25	40.00%	188.50	4.03	180.91
viii	NVVN Bundled Solar Power	37		37.00	100.00%	37.00		37.00
ix	SECI Hybrid Power PSA (Solar)	400		400.00	100.00%	400.00		400.00
x	NHPC - M/s Avaada Sunrays Energy Private Limited	300		300.00	100.00%	300.00		300.00
xi	SECI Solar Power	30		30.00	100.00%	30.00		30.00
xii	SECI Wind Power	350		350.00	100.00%	350.00		350.00
xiii	SECI Hybrid Power PSA (Wind)	100		100.00	100.00%	100.00		100.00
xiv	PTC Tala(Hydro)	1020	1.00%	1009.80	2.94%	29.69	4.03	28.49
xv	Pragati-III(Bawana)CCGT	1371	2.75%	1333.30	10.00%	133.33	4.03	127.96
xvi	MALANA-2 (PTC)	100	1.30%	98.70	88.00%	86.86	4.03	83.36
xvii	KARCHAM (PTC)	1000	1.20%	988.00	20.00%	197.60	4.03	189.65
xviii	SASAN Ultra Mega Project	3960	6.00%	3722.40	15.00%	558.36	4.03	535.88
xix	MUNDRA UMP	4150	8.43%	3799.99	12.50%	475.00	4.03	455.88
	Total Other Central Sector	18830		17987.82		3631.89		3534.68
5	Independent Power Producers (IPPs) within Punjab (Private Sector Projects)							
i	Nabha TPP (NPL)	1400	5.71%	1320.06	100%	1320.06		1320.06
ii	Talwandi Sabo TPP (TSPL)	1980	7.00%	1841.40	100%	1841.40		1841.40
iii	GVK	540	9.00%	491.40	100%	491.40		491.40
iv	NRSE Private Projects	1575.61		1575.61	100%	1575.61		1575.61
	Total	5495.61		5228.47		5228.47		5228.47

**Transmission Capacity
FY 2024-25**

S.No.	Source	Approved Capacity (Gross)	Auxiliary Consumption and Transformation Losses	Approved Injection (Net)	PSPCL's Firm Share	Inter-State Transmission Loss	Share (Net at PSTCL Boundary)
6	PSPCL Own Stations						
6a	Thermal						
i	GGSSSTP, Ropar	840	8.5%	768.60	100%	768.60	
ii	GHTP, Lehra Mohabbat	920	8.5%	841.80	100%	841.80	768.60
	Total Thermal (Own)	1760		1610.4		1610.4	841.80
6b	Hydel						1610.40
i	Shannan	110	2.00%	107.80	100%	107.80	
ii	UBDC	91.35	0.90%	90.53	100%	90.53	107.80
	RSD Net Share						90.53
iii	Less 20% J&K and 4.6% HP share from RSD	452.4	1.00%	447.88	100%	447.88	
iv	ASHP	134	0.65%	133.13	100%	133.13	447.88
v	MHP	225	1.00%	222.75	100%	222.75	133.13
vi	Micro Hydel	2.5	0.00%	2.50	100%	2.50	222.75
	Total Hydel (Own)	1015.25		1004.58		1004.58	2.50
7	New Stations (PSPCL)						1004.58
i	Parbati-II	800		800.00	10.00%	80.00	4.03
ii	Subhansiri	2000		2000.00	3.20%	64.00	4.03
iii	Renew Dinkar Jyoti Pvt. Ltd.	100		100.00	100.00%	100.00	
iv	Adani Solar Energy AP Three Pvt. Ltd.	150		150.00	100.00%	150.00	
v	CPSU Scheme (NHPC)	400		400.00	100.00%	400.00	
vi	CPSU Scheme (SJVN Green Energy Ltd.)	500		500.00	100.00%	500.00	
vii	SOEL any where in India	1000		1000.00	100.00%	1000.00	
	Total New Stations (PSPCL)	4950		4950		2294	1000.00
8	BBMB (Common Pool Stations (PSPCL Share)						2288.20
i	Total BBMB (Common Pool Stations (PSPCL Share)	1141.10	0.50%	1135.39		1135.39	
9	Grand Total (Transmission Capacity)	54796.96		52399.58		16406.94	16243.46

Note: 1. The data is to be given by source wise/ station wise.

Energy Balance

S. No.	Particulars	Unit	Previous Year (2022-23)		ARR
			Actual	Projection	
			FY 2022-23	FY 2024-25	
1	Energy Input into Transmission System				
	a) Energy from sources inside the State (G-T Interface)	MU	32526.7589		
	b) Energy from Sources outside the State (Inter state-intra state transmission system interface)	MU	31970.6301		
	c) Total (a+b)	MU	64497.3890		
2	Energy transmitted to Distribution Licensees (T-D Interface)	MU	61810.6028		
3	Energy transmitted to EHT Consumers		1225.3550		
4	Energy transmitted to Open Access Customers	MU	272.28*		619
5	Energy transmitted for Intra State Sale	MU			
6	Intra State Transmission Loss ((1(c)-2-3-4-5)/1(c))	%	2.27%		

Note/Assumptions:-

1. All figures are in respect of all Open Access Customers embedded within Punjab. Units transmitted are the Units scheduled/ purchased/ wheeled under STOA, MTOA & LTA at customer periphery (i.e. after deducting CTU & State transmission & distribution losses). *It includes figures for 11 no. TSS (14 no. interface points) of Northern Railway for which Long Term Access (LTA) has been operationalized w.e.f. 24.11.2019 onwards.

**Though the power transacted under open access depends on the market scenario changing on day to day basis and thus is unpredictable. However, figures for FY 2023-24, FY 2024-25 and FY 2025-26 have been projected on higher side depending on the current scenario. Further, 19 no. additional Railway TSS are anticipated to get operationalised in FY 2023-24, 2024-25. Hence, Northern Railways Projection Figures for FY 2023-24, FY 2024-25 and FY 2025-26 have been calculated by increasing the transmission capacity by 15 MW for FY 2022-23 and FYs 2023-26 w.r.t. LTA customer i.e. Northern Railways.

Projection of Energy Sales

A) Energy Sales/Transmitted (in MU)

S. No	Category	Previous Year (2022-23)	Control Period Projection
		Actual	1st Year
1	Distribution Licensees (T-D Interface)	III	IV
2	CPP Consumers Connected to Transmission System		
3	Consumers Connected to Transmission System		
4	Open Access Customers Connected to Transmission System		
	a) Long Term Customers	253.74	600
	b) Medium Term Customers	9.42	10
	c) Short Term Customers (Intra-State)	8.83	9
	Short Term Customers (Inter-State)		
5	Other Customers/Consumers	0.300	0.000
	Grand Total		

B) Connected Load (in MVA)

S. No	Category	Previous Year (2022-23)	Control Period Projection
		Actual	1st Year
1	Distribution Licensees (T-D Interface)		
2	CPP Consumers Connected to Transmission System		
3	Consumers Connected to Transmission System		
4	Open Access Customers Connected to Transmission System		
	a) Long Term Customers	107	207
	b) Medium Term Customers	6.5	6.5
	c) Short Term Customers (Intra-State)	21	21
	Short Term Customers (Inter-State)		
5	Other Customers/Consumers	15.5*	0
	Grand Total		

C) Maximum or Peak Demand (in MVA)

S. No	Category	Previous Year (2022-23)	Control Period Projection
		Actual	1st Year
1	Distribution Licensees (T-D Interface)		
2	CPP Consumers Connected to Transmission System		
3	Consumers Connected to Transmission System		
4	Open Access Customers Connected to Transmission System		
	a) Long Term Customers	74.095	85
	b) Medium Term Customers	2.073	2
	c) Short Term Customers (Intra-State)	4.4	4
	Short Term Customers (Inter-State)		
5	Other Customers/Consumers	2.3	0
	Grand Total		

D) Minimum Demand (in MVA)

S. No	Category	Previous Year (2022-23)	Control Period Projection
		Actual	1st Year
1	Distribution Licensees (T-D Interface)		
2	CPP Consumers Connected to Transmission System		
3	Consumers Connected to Transmission System		
4	Open Access Customers Connected to Transmission System		
	a) Long Term Customers	16.25	20
	b) Medium Term Customers	Zero	Zero
	b) Short Term Customers	Zero	Zero
5	Other Customers/Consumers	Zero	Zero
	Grand Total		

E) Average Demand (in MVA)

S. No	Category	Previous Year (2022-23)	Control Period Projection
		Actual	1st Year
1	Distribution Licensees (T-D Interface)		
2	CPP Consumers Connected to Transmission System		
3	Consumers Connected to Transmission System		
4	Open Access Customers Connected to Transmission System		
	a) Long Term Customers	46.88	50
	b) Medium Term Customers	1.3	1.25
	c) Short Term Customers (Intra-State)	2.5	2
	Short Term Customers (Inter-State)		
5	Other Customers/Consumers	1.07	0
	Grand Total		

Projection of Energy Sales

Note/ Assumptions:

1. All figures are in respect of all Open Access Customers, whether connected to transmission or distribution system and irrespective of voltage level (includes all OA customers connected at 11KV, 33KV, 66KV & 132 KV and above Voltage Levels)
 2. Connected Load pertains to Sanctioned Contract demand (CD) of OA consumers, who transacted during the financial year. Further, the connected load under MTOA pertains to sanctioned CD of Winsome Yarns Limited (i.e. 6.5 MVA) w.r.t. MTOA granted to 5 no. MHPs i.e. Bharawal, Barawal, Raawal, Isewal and Mansian during FY2020-21.
 3. Energy Sales/ transmitted are the Units scheduled/ wheeled in Million kWh under Open Access at customer periphery (i.e. after deducting CTU losses & State transmission & distribution losses).
 4. Data of Maximum Demand in MVA is available only in case of Northern Railway and in MW in other Open Access Transactions, as all other Open Access transactions are in MW/ MWH in line with prevailing Open Access Regulations issued by PSERC & CERC. Accordingly the data has been provided in MW and pertains to maximum quantum of power scheduled/ purchased by open access consumer in single 15 min time-block during the year (at customer periphery).
 5. Data of Minimum Demand pertains to minimum quantum of power scheduled/ purchased by open access consumer in single 15 min time-block during the year (at customer periphery).
 6. Data of Average Demand in MVA is available only in case of Northern Railway, as all the Open Access transactions are in MW/ MWH in line with prevailing Open Access Regulations issued by PSERC & CERC. Accordingly the data has been provided in MW and pertains to average quantum of power scheduled/ purchased by open access consumer in single 15 min time-block during the year (at customer periphery).
 7. Figures under Long Term Access are based on LTA granted to Northern Railway for purchase of upto 35 MW power, which have been operationalized w.e.f. 24.11.2019 onwards.
 8. As the power transacted under open access depends on the market scenario changing on day to day basis, the same is unpredictable. However based on the prevailing decline in open access, figures projected for FY 2023-24 & FY 2024-25 have been considered on higher side depending on the current scenario.
- *M/s Max Specialty Films Ltd. has purchased power from power exchange under STOA through collective transaction during FY2022-23.
- ** M/s Punjab Hydro (its 3 no. MHPs) has availed Open Access under sale of Power through Power Exchange during the months of Mar-23, April-23 & May-23.

Form-T-25

Revenue from Tariff & Charges

(A) Revenue from Intra-State Wheeling of Power:

Sr. No.	Particulars	Transmission on Capacity Allocated										Collection Efficiency (%)	No. of Consumer
		MVA	MVA	MVA	MVA	MVA	MVA	MVA	MVA	MVA	MVA		
1	Unilateral Licensee (T-D Interface) System	3	4	5	6	7	8	9	10	11	12	13	14
2	Open Access Customers Connected to Transmission System												
3	Open Access Customers Connected to Transmission System												
4	Open Access Customers Connected to Transmission System												
5	Other Consumers												
		35	74.035	70.042	25374.3664								
		3.9		2.070	8317.812								
		7		4.4	8232.888								
		15.54*		3.3	2212.59								

Sr. No.	Particulars	ATP										Collection Efficiency (%)	No. of Consumer
		MVA	MVA	MVA	MVA	MVA	MVA	MVA	MVA	MVA	MVA		
1	Distribution Licensee (T-D Interface) System	3	4	5	6	7	8	9	10	11	12	13	14
2	Open Access Customers Connected to Transmission System												
3	Open Access Customers Connected to Transmission System												
4	Open Access Customers Connected to Transmission System												
5	Other Consumers												
		56	85	80	85000								
		3.5		2	13000								
		7		4	9000								
		0		0	0								

- All figures are in respect of an Open Access Customers under the State as well as Intra-State Transactions, whether connected to transmission or distribution system and respective of voltage level (includes all Open Access customers connected at 11KV, 33KV, 66KV & 132 KV Voltage Levels)
- Transmission Capacity Allocated includes Load Allowed for purchase & sale of power, as applicable for these open access consumers, who have transacted during the year.
- Data in MVA is not available, as all the Open Access transactions are in MW/MVA in line with prevailing Open Access Regulations issued by PSENC & CERC. However, maximum demand data in MVA is available only in case of Northern Railway.
- Units transmitted are the Units scheduled purchased/sold/wheeled under Open Access at customer periphery (i.e. after deducting CTU losses, State transmission & distribution losses).
- Open Access Consumers considered under MTOA (Intra-State) and STOA (Intra-State) are w.r.t. no. of draw units (i.e. 1 no. of Wholesale Yaris Limited in case of MTOA and 2 no. Industrial units of Nuhar Industrial Enterprises limited in case of STOA (Intra-State)).
- Reactive Energy charges are presently being billed and collected by PSPCL.
- Figures pertaining to Transmission charges are not available with this Office as billing is done by the One ASARR, PSTCL. Actual figures are available with their office.
- Though the power transacted under open access depends on the market scenario changing on day to day basis and thus is unpredictable. However, figures for FY 2024-25, FY 2024-26 and FY 2024-25 are projected on higher side depending on the current scenario.

*Ms. Kux Specialty Films Ltd. has purchased power from power exchange under STOA through collective transaction during FY2024-25.

** Ms. Punjab Hydro (to 3 no. MHPs) has availed Open Access under sale of Power through Power Exchange during the months of Mar-23, April-23 & May-23.

124

Demand in MVA (Peak)

(MVA)

S. No.	Particulars	Months in the Financial Year 2022-23 (Previous Year)														
		April	May	June	July	August	September	October	November	December	January	February	March			
1	Distribution Licensees (T-D Interface)															
2	CPP Consumers Connected to Transmission System															
3	Consumers Connected to Transmission System															
4	Open Access Customers Connected to Transmission System															
	a) Long Term Customers	46.64	50.16	50.29	51.12	50.27	49.37	50.45	48.4	47.4	48.2	48.7	48.7	48.7	48.7	51.1
	b) Medium Term Customers	0.3	0.02	1.0	1.8	2.1	1.9	0.9	0.0	1.7	0.0	0.0	1.4	0.0	1.4	2.1
	c) Short Term Customers (Intra-State)	0	0	0	0	0	0	0	0	0	3.5	3.5	3.5	3.5	3.5	3.5
	Short Term Customers (Inter-State)	0	0	0	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07
5	Other Customers/Consumers															
	Grand Total															

(MVA)
(MVA)

S. No.	Particulars	Months in the Financial Year 2024-25 (Control Period)														
		April	May	June	July	August	September	October	November	December	January	February	March			
1	Distribution Licensees (T-D Interface)															
2	CPP Consumers Connected to Transmission System															
3	Consumers Connected to Transmission System															
4	Open Access Customers Connected to Transmission System															
	a) Long Term Customers	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
	b) Medium Term Customers	0.5	0.1	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	c) Short Term Customers (Intra-State)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other Customers/Consumers															
5	Grand Total															

Note/ Assumptions:

- All figures are in respect of all Open Access Customers, whether connected to transmission or distribution system and irrespective of voltage level (includes all OA customers connected at 11KV, 33KV, 66KV & 132 KV Voltage Levels)
- Demand Pertains to Average quantum of power scheduled/ purchased by open access consumer in MVA in each 15 min time-block during the peak period (1800 Hrs to 2200 Hrs) of the year (at customer periphery) in case of Northern Railway and in MW in case of other Open Access consumers as the data is not available in MVA, as all the Open Access transactions are in MW/ MWH in line with prevailing Open Access Regulations issued by PSERC & CERC).
- Figures under Long Term Access are based on LTA granted to Northern Railway for purchase of upto 35 MW power, which have been operationalized w.e.f. 24.11.2019 onwards.
- Figures under MTOA Pertains to wheeling of power by 5 no. MHPs of Winsome Yarns limited (granted during FY 2020-21).
- Though the power transacted under open access depends on the market scenario changing on day to day basis and thus is unpredictable. However, figures for FY 2023-24 and FY 2024-25 have been projected on higher side depending on the current scenario.

Demand in MVA (Off Peak)

(MVA)

S. No.	Particulars	Months in the Financial Year 2022-23 (Previous Year)															
		April	May	June	July	August	September	October	November	December	January	February	March				
1	Distribution Licensees (T-D Interface)																
2	CPP Consumers Connected to Transmission System																
3	Consumers Connected to Transmission System																
4	Open Access Customers Connected to Transmission System																
	a) Long Term Customers	44.19	48.04	48.82	48.33	47.88	46.28	48.43	46.03	44.59	45.22	45.28	47.19				
	b) Medium Term Customers	0.3	0.0	1.9	1.9	2.1	1.9	0.8	0.0	1.7	0.0	1.4	2.1				
	c) Short Term Customers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5				
	Other Customers (Intra-State)	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0				
5	Other Customers/Consumers																
	Grand Total																

(MVA)

S. No.	Particulars	Months in the Financial Year 2024-25 (Control Period)															
		April	May	June	July	August	September	October	November	December	January	February	March				
1	Distribution Licensees (T-D Interface)																
2	CPP Consumers Connected to Transmission System																
3	Consumers Connected to Transmission System																
4	Open Access Customers Connected to Transmission System																
	a) Long Term Customers	50	50	50	50	50	50	50	50	50	50	50	50				
	b) Medium Term Customers	0.5	0.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5				
	c) Short Term Customers (Intra-State)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5				
5	Other Customers/Consumers																
	Grand Total																

Note/ Assumptions:

- All figures are in respect of all Open Access Customers, whether connected to transmission or distribution system and irrespective of voltage level (includes all OA customers connected at 11KV, 33KV, 66KV & 132 KV Voltage Levels)
- Demand Pertains to Average quantum of power scheduled/ purchased by open access consumer in MVA in each 15 min time-block during the peak period (1800 Hrs to 2200 Hrs) of the year (at customer periphery) in case of Northern Railway and in MW in case of other Open Access consumers as the data is not available in MVA, as all the Open Access transactions are in MW/ MWh in line with prevailing Open Access Regulations issued by PSERC & CERC).
- Figures under Long Term Access are based on LTA granted to Northern Railway for purchase of upto 35 MW power, which have been operationalized w.e.f. 24.11.2019 onwards.
- Figures under MTOA Pertains to wheeling of power by 5 no. MHPs of Winsome Yarns limited (granted during FY 2020-21).
- Though the power transacted under open access depends on the market scenario changing on day to day basis and thus is unpredictable. However, figures for FY 2023-24 and FY 2024-25 have been projected on higher side depending on the current scenario.

Working Capital Requirement - Transmission

S.No.	Particulars	FY 2022-23				FY 2024-25			
		True-up		ARR		True-up		ARR	
I	II	III	IV	III	IV	III	IV	III	IV
1	O&M Expenses	896.28	1024.53	896.28	1024.53				
a.	R&M Expenses	35.72	38.10	35.72	38.10				
b.	A&G Expenses	32.43	39.93	32.43	39.93				
c.	Employee Expenses	828.13	946.50	828.13	946.50				
d.	Total (a+b+c)	896.28	1024.53	896.28	1024.53				
e.	O&M Expenses for 1 month	74.69	85.38	74.69	85.38				
2	Receivables equivalent to 2 (Two) months of Fixed Cost calculated on Normative Target Availability	268.95	299.02	268.95	299.02				
3	Maintenance Spares @15% of O&M Expenses	134.44	153.68	134.44	153.68				
	Total Working Capital (1(e) + 2+ 3)	478.08	538.07	478.08	538.07				
4	Interest Rate*	8.01%	8.01%	8.01%	8.01%				
5	Interest on Working Capital	38.29	43.10	38.29	43.10				

* The interest rate for this purpose shall be the rate as specified under MYT Regulations.

Working Capital Requirement - SLDC

S.No.	Particulars	(₹ crore)	
		FY 2022-23 True-up III	FY 2024-25 ARR IV
1	O&M Expenses	14.40	20.61
a.	R&M Expenses	0.80	0.88
b.	A&G Expenses	1.05	1.89
c.	Employee Expenses	12.55	17.84
d.	Total (a+b+c)	14.40	20.61
e.	O&M Expenses for 1 month	1.20	1.72
2	Receivables equivalent to 2 (Two) months of Fixed Cost calculated on Normative Target Availability	5.09	6.90
3	Maintenance Spares @15% of O&M Expenses	2.16	3.09
	Total Working Capital (1(e) + 2+ 3)	8.45	11.70
4	Interest Rate*	8.01%	8.01%
5	Interest on Working Capital	0.68	0.94

* The interest rate for this purpose shall be the rate as specified under MYT Regulations.

Income from Investments and Other Non-Tariff Income- PSTCL

(Rs. Crore)

S. No.	Particulars	FY 2022-23	FY 2022-23	FY 2024-25
		Audited Accounts III	True-up IV	ARR V
I	II			
A	Income from Investment, Fixed & Call Deposits			
1	Interest Income from Investments	-	-	
2	Interest Income from Fixed Deposits	0.04	-	
3	Interest Income from Banks other than from Fixed Deposits	-	-	
4	Interest Income from any other source	0.00	-	
	Sub-Total	0.04	-	
B	Other Non-Tariff Income			
1	Interest on Loans and Advances to Staff	-	-	
2	Interest on Loans and Advances to Licensee	-	-	
3	Interest on Loans and Advances to Lessors	-	-	
4	Interest on Advances to Suppliers / Contractors	-	-	
5	Income from Trading (other than Electricity)	-	-	
6	Gain on Sale of Fixed Assets	-	-	
	- sale of land - additional compensation	-	-	
	-sale of other fixed assets	5.34	5.34	
	-reversal of excess provision of impairment loss	-	-	
7	Income/Fee/Collection against Staff Welfare Activities	0.02	0.02	
8	Miscellaneous Receipts			
i	Rental for staff quarters	0.65	0.64	
ii	Sale of tender forms	-	-	
iii	NOC charges from open access customers	0.13	0.13	
iv	Credit balance written back:	-	-	
v	-Sundry creditors	0.08	0.08	
vi	Penalty imposed on supplier/contractors	8.89	8.89	
vii	- Other sundry credit balance	0.00	-	
viii	-Security Deposits/EMD	-	0.06	

ix	Late/Delayed payment surcharge - PSPCL	3.10	1.05
x	Rebate on early payment to NRLDC	0.19	0.08
xi	Income from O&M of bays of PGCIL	3.67	3.67
xii	Deposit forfeited	0.00	-
xiii	Fee received for decided appeals	0.00	-
xiv	Misc. receipt under open access	0.00	-
xv	Departmental charges	4.19	4.19
xiv	Sale of trees	0.00	-
xv	Work appraisal charges	0.17	0.17
xiv	Lease rent of fiber optic cable from PGCIL	0.35	0.35
xv	Lease rent of land from Mandi board	-	-
xiv	Recovery of Penalty from contractors	0.00	-
xv	Use of crane/truck / Loader by other division	0.00	-
xiv	Salary deposited/ Surety bonds by employees due to short period notice of resignation/retirement	0.35	0.35
xv	Oil Testing fees	0.50	0.50
xiv	Miscellaneous income*	0.94	0.94
9	Transmission and SLDC Operating charges for Open access customers	0.00	-
10	Interest income from any other source- interest received on refund of income tax	0.00	-
11	Delayed Payment Charges from Consumers	-	-
12	Income from Miscellaneous Charges as per Schedule of General and Service Charges from Consumers	-	-
13	Income from Other Business - Sale of Scrap	3.01	3.01
14	Excess Provision of Income tax withdrawn	-	-
15	Reversal of excess provision of Impairment Loss	-	-
16	Any other income - Provisions withdrawn on unserviceable / obsolete items & losses under investigation	0.00	-
17	Prior Period Income	-	-
	Sub-Total	31.58	29.47
	Total	31.62	29.47

[Handwritten signature]

Income from Investments and Other Non-Tariff Income- Transmission

S. No.	Particulars	FY 2022-23	FY 2022-23	FY 2024-25
		Audited Accounts	True-up	ARR
I	II	III	IV	V
A	Income from Investment, Fixed & Call Deposits			
1	Interest Income from Investments		0	
2	Interest Income from Fixed Deposits	-	-	
3	Interest Income from Banks other than from Fixed Deposits		0.00	
4	Interest Income from any other source		0.00	
	Sub-Total	-	-	
B	Other Non-Tariff Income			
1	Interest on Loans and Advances to Staff			
2	Interest on Loans and Advances to Licensee			
3	Interest on Loans and Advances to Lessors			
4	Interest on Advances to Suppliers / Contractors			
5	Income from Trading (other than Electricity)			
6	Gain on Sale of Fixed Assets			
	- sale of land - additional compensation	-	-	
	-sale of other fixed assets	5.34	5.34	
	-reversal of excess provision of impairment loss	-	-	
7	Income/Fee/Collection against Staff Welfare Activities	0.01	0.02	
8	Miscellaneous Receipts			
i	Rental for staff quarters	0.60	0.59	
ii	Sale of tender forms	-	-	
iii	NOC charges from open access customers	0.02	0.07	
iv	Credit balance written back:			
v	-Sundry creditors	-	-	
vi	Penalty imposed on supplier/contractors	0.08	0.08	
vii	- Other sundry credit balance	8.86	8.83	
viii	-Security Deposits/EMD	-0.00	0.06	

ix	Later/Delayed payment surcharge - PSPCL	3.10	1.05
x	Rebate on early payment to NRLDC	-	-
xi	Income from O&M of bays of PGCIL	3.67	3.67
xii	Deposit forefeited	-	-
xiii	Fee received for decided appeals	-	-
xiv	Misc. receipt under open access	0.00	-
xv	Departmental charges	4.19	4.19
xiv	Sale of trees	-	-
xv	Work appraisal charges	0.17	0.17
xiv	Lease rent of fiber optic cable from PGCIL	0.35	0.35
xv	Lease rent of land from Mandi board	-	-
xiv	Recovery of Penalty from contractors	-	-
xv	Use of crane/truck / Loader by other division	-	-
xiv	Salary deposited/ Surety bonds by employees due to short period notice of resignation/retirement	0.35	0.35
xv	Oil Testing fees	0.50	0.50
xiv	Miscellaneous income*	0.89	0.94
9	Transmission and SLDC Operating charges for Open access customers	-	-
10	Interest Income from any other source- interest received on refund of income tax	-0.12	-
11	Delayed Payment Charges from Consumers	-	-
12	Income from Miscellaneous Charges as per Schedule of General and Service Charges from Consumers	-	-
13	Income from Other Business - Sale of Scrap	3.01	3.01
14	Excess Provision of income tax withdrawn	-	-
15	Reversal of excess provision of Impairment Loss	-	-
16	Any other income - Provisions withdrawn on unserviceable / obsolete items & losses under investigation	0.00	-
17	Prior Period Income	-	-
	Sub-Total	31.03	29.22
	Total	31.03	29.22

[Handwritten signature]

Income from Investments and Other Non-Tariff Income- SLDC Business

S. No.	Particulars	FY 2022-23		FY 2024-25
		Audited Accounts	True-up	ARR
I	II	III	IV	V
A	Income from Investment, Fixed & Call Deposits			
1	Interest Income from Investments		0	
2	Interest Income from Fixed Deposits	0.04	-	
3	Interest Income from Banks other than from Fixed Deposits		0	
4	Interest Income from any other source	0.00	-	
	Sub-Total	0.04	0.00	
B	Other Non-Tariff Income			
1	Interest on Loans and Advances to Staff			
2	Interest on Loans and Advances to Licensee			
3	Interest on Loans and Advances to Lessors			
4	Interest on Advances to Suppliers / Contractors			
5	Income from Trading (other than Electricity)			
6	Gain on Sale of Fixed Assets			
	- sale of land - additional compensation		-	
	-sale of other fixed assets		-	
	-reversal of excess provision of impairment loss			
7	Income/Fee/Collection against Staff Welfare Activities	0.00	-	
8	Miscellaneous Receipts			
i	Rental for staff quarters	0.04	0.05	
ii	Sale of tender forms			
iii	NOC charges from open access customers	0.11	0.06	
iv	Credit balance written back:			
v	-Sundry creditors		0	
vi	Penalty imposed on supplier/contractors	0.02	0.06	
vii	- Other sundry credit balance	0.00		
viii	-Security Deposits/EMD			

Handwritten signature

ix	Late/Delayed payment surcharge - PSPCL			0.00
x	Rebate on early payment to NRLDC		0.19	0.08
xi	Income from O&M of bays of PGCIL			0
xii	Deposit foreleted			
xiii	Fee received for decided appeals			
xiv	Misc. receipt under open access			
xv	Departmental charges			
xiv	Sale of trees			-
xv	Work appraisal charges			-
xiv	Lease rent of fiber optic cable from PGCIL			-
xv	Lease rent of land from Mandi board			
xiv	Recovery of Penalty from contractors			
xv	Use of crane/truck / Loader by other division			-
xiv	Salary deposited/ Surety bonds by employees due to short period notice of resignation/retirement			-
xv	Oil Testing fees			-
xiv	Miscellaneous income*		0.05	-
9	Transmission and SLDC Operating charges for Open access customers		0.12	
10	Interest Income from any other source- interest received on refund of income tax			
11	Delayed Payment Charges from Consumers			
12	Income from Miscellaneous Charges as per Schedule of General and Service Charges from Consumers			
13	Income from Other Business - Sale of Scrap			-
14	Excess Provision of Income tax withdrawn			
15	Reversal of excess provision of Impairment Loss			
16	Any other income - Provisions withdrawn on unserviceable / obsolete items & losses under investigation			
17	Prior Period Income			
	Sub-Total		0.54	0.25
	Total		0.58	0.25

Contributions, Grants and Subsidies towards Cost of Capital Assets- Transmission Business

S. No	Particulars	Previous Year (Actual)				Projection			
		FY 2022-23				FY 2024-25			
		Balance at the beginning of the year	Additions during the Year	Capitalisation	Balance at the end of the Year	Additions during the Year	Capitalisation	Balance at the end of the Year	
I	II	III	IV	V	VI	VII	VIII	IX	
1	Consumer Contribution Towards Cost of Capital Assets	198.87	31.82	12.13	218.56	-	-	-	-
2	Subsidies Towards Cost of Capital Assets	-	-	-	-	-	-	-	-
3	Grants Towards Cost of Capital Assets- yet to be utilized	19.14	24.85	3.20	40.79	-	-	-	-
4	Grants Towards Cost of Capital Assets- utilized	20.63	3.20	1.16					
	Total	238.64	59.87	16.49	282.02	-	-	-	-

Form T29

Contributions, Grants and Subsidies towards Cost of Capital Assets- SLDC Business

(Rs. Crore)

S. No	Particulars	Previous Year (Actual)			Projections		
		FY 2022-23			FY 2024-25		
		Balance at the beginning of the year	Additions during the Year	Balance at the end of the Year	Additions during the Year	Balance at the end of the Year	
I	II	III	IV	V	VI	VII	
1	Consumer Contribution Towards Cost of Capital Assets	0	0	0	0	-	-
2	Subsidies Towards Cost of Capital Assets	0	0	0	0	-	-
3	Grants Towards Cost of Capital Assets- yet to be utilized	0	0	0	0	-	-
4	Grants Towards Cost of Capital Assets- utilized	0	0	0	0	-	-
	Total	0	0	0	0	-	-

Existing & Proposed Tariff Schedule - Transmission Business

S. No.	User Type	Previous Year (2022-23)			Control Period Projections 2024-25		
		Actual	Actual	Actual	Actual	Actual	Actual
1	Distribution Licensee (PSPCL)						
2	CPP Wheeling						
3	EHT Consumer Wheeling						
4	Other States Energy Wheeling						
5	Open Access Consumers:						
	a) Long Term Consumers	(At customer periphery after T&D losses)	263,744	Rs. 99878.94/MW/Month	600	Rs. 100000/MW/Month	1641.75
	b) Medium Term Consumers	(At customer periphery after T&D losses)	9,418	Rs. 99878.94/MW/Month or 10% of revenue realized from 2% additional injection for Intra-State	10	Rs. 100000/MW/Month or 10% of revenue	
	c) Short term Consumers (intra-State)	(At customer periphery after T&D losses)	8,833	Rs. 234.5/MW/h or 10% of revenue realized from 2% additional injection for Intra-State Open Access by NRSE Projects)	9	Rs. 230/MW/h or 10% of revenue realized from 2% additional injection for Intra-State Open Access by NRSE Projects)	4.22
	Short Term (Inter-state)		0.28		0		

Notes/ Assumptions:-

- Transmission Tariff is charged on the total energy scheduled at Regional Periphery (excluding CTU & STU losses). Accordingly, figures for energy scheduled by open access customers both at customer periphery and approved/ billed energy have been given (with kWh as unit).
 - As the power transacted under open access depends on the market scenario changing on day to day basis and thus is unpredictable. However, figures for FY 2023-24 and FY 2024-25 have been projected on higher side depending on the current scenario. Further, the transmission tariff is also subject to revision, as approved by Hon'ble PSERC in its Tariff Orders to be issued for upcoming financial years.
- *Estimated figures based on prevailing Transmission tariff and anticipated open access quantum. Values may be got checked/verified from the Ofc AO/ARR, PSTCL.

Revenue from Current Tariffs in Existing Years, Transmission Business

FY 2022-23							
S.No.	User Type	Energy Wheelled (MW)	Maximum Demand (MVA)	Transmission Tariff (₹/MWh or MW month)	Total Amount (₹ crore)	Proposed Realization Rate (₹ unit)	Transmission charge in ₹ unit
1	Distribution Licensee (PS-PC-L)				1548.35		
2	Long Term Consumers	253.144	79.560	₹ 99278.84/MWh/Month			
3	Short Term Consumers (Intra-State)	9.418	7.073	₹ 99878.54/MWh/Month or 10% of revenue realized from 2% additional injection for intra-State Open Access by NRSE Projects			
4	Other States Energy Wheeling	8.803	4.4	₹ 234.51/MWh or 10% of revenue realized from 2% additional injection for inter-State Open Access by NRSE Projects	4.22		
5	Open Access Consumers	6.216	2.3				
6	Other Customers						
FY 2023-25							
S.No.	User Type	Energy Wheelled (MW)	Maximum Demand (MVA)	Transmission Tariff (₹/MWh or MW month)	Total Amount (₹ crore)	Proposed Realization Rate (₹ unit)	Unit Cost of transmission in ₹ unit
1	Distribution Licensee (PS-PC-L)				1841.16		
2	Long Term Consumers	600	65	₹ 100000.00/MWh/Month or			
3	Short Term Consumers (Intra-State)	10	7	10% of revenue realized from 2% additional injection for intra-State Open Access by NRSE Projects			
4	Other States Energy Wheeling	5	4	₹ 234.51/MWh or 10% of revenue realized from 2% additional injection for inter-State Open Access by NRSE Projects	4.22		
5	Open Access Consumers						
6	Other Customers						

Note: Assumptions:

- Energy Wheelled are the units scheduled in Hublot with inter Open Access at customer periphery (i.e. after excluding CTU losses and State transmission & distribution losses).
- Date of Maximum Demand in MVA is available only in case of Northern Railway as all other Open Access transactions are in MW/MWh in line with prevailing Open Access Regulations issued by PSERC & CEREC. Accordingly the data has been provided in MW and pertains to maximum quantum of power scheduled purchased by open access consumer in single 15 min time slot during the year (at customer periphery).
- Figures under Long Term Access are based on LTA granted to Northern Railway for purchase of upto 35 MW power, which have been operationalized w.e.f. 24.11.2019 onwards.
- Figures under MCOA pertain to wheeling of power by 5 no. MPPs of Varanasi Yarns limited (granted during FY 2020-21).
- As the power transacted under open access depends on the market scenario changing on day to day basis and thus is unpredictable. However, figures for FY 2023-24 and FY 2024-25 have been projected on higher side depending on the current scenario. Further, the transmission tariff is also subject to revision, as approved by honorable PSERC in its Tariff Orders to be issued for upcoming financial years.

Revenue from Proposed Tariffs in Existing Year: Transmission Business

FY 2024-25						
S.No.	User Type	Energy Wheeled (MU)	Maximum Demand (MVA)	Transmission Tariff (₹/MWh month)	Total Amount (₹ crore) without tax	Proposed Revenue at 50% FY 2024-25
1	Distribution Licensee (DPSU)				1548.26	
2	CPD Users					
3	EHF Consumers/Wheeling					
4	Other States Energy Wheeling					
5	Open Access Consumers					
a) Long term Consumers		253.744	70.042	₹ 99872.84/MWh/Month or 69878.94/MWh/Month		
b) Medium term Consumers		9.418	2.073	10% of revenue realized from 2% additional injection for Intra-State Open Access by NRSE Projects)	4.22	
b) Short term Consumers		8.633	4.4	₹ 234.5/MWh or 10% of revenue realized from 2% additional injection for Intra-State Open Access by NRSE Projects)		
Short Term Consumers (Inter-State)		0.28	2.3			
6	Other Customers					

FY 2024-25						
S.No.	User Type	Energy Wheeled (MU)	Maximum Demand (MVA)	Transmission Tariff (₹/MWh month)	Total Amount (₹ crore) without tax	Proposed Revenue at 50% FY 2024-25
1	Distribution Licensee (DPSU)				1641.75	
2	CPD Users					
3	EHF Consumers/Wheeling					
4	Other States Energy Wheeling					
5	Open Access Consumers					
a) Long term Consumers		600	85	₹ 100000/MWh/Month or 100000/MWh/Month		
b) Medium term Consumers		10	2	10% of revenue realized from 2% additional injection for Intra-State Open Access by NRSE Projects)		
b) Short term Consumers		9	4	₹ 2300/MWh or 10% of revenue realized from 2% additional injection for Intra-State Open Access by NRSE Projects)		
6	Other Customers					

Notes/Assumptions:

- Energy Wheeled are the units scheduled in Million kWh under Open Access at customer periphery (ie, after deducting CTU losses and State transmission & distribution losses).
- Date of Maximum Demand in MVA is available only in case of Northern Railway as all other Open Access transactions are in MW/MWh in line with prevailing Open Access Regulations issued by PSERC & CERC. Accordingly the data has been provided in MW and pertains to maximum quantum of power scheduled/purchased by open access consumer in single 15 min time block during the year (at customer periphery).
- Figures under Long Term Access are based on LTA granted to Northern Railway for purchase of upto 35 MW power, which have been operationalized w.e.f. 24.11.2015 onwards.
- Figures under MTOA pertains to wheeling of power by 5 no. MHPs of Winsome Yarns limited (granted during FY 2020-21).
- As the power transmitted under open access depends on the market scenario changing on day to day basis and this is unpredictable. However, figures for FY 2023-24 and FY 2024-25 have been projected on higher side depending on the current scenario. Further, the transmission tariff is also subject to revision, as approved by the PSERC in its Tariff Orders to be issued for upcoming financial years.

Losses in the Transmission System

(MU)

I	II	Particular	True-Up	ARR
			FY 2022-23	FY 2024-25
		III	IV	V
A	Losses in EHT System (400 kV)		PSTCL Transmission Losses are not calculated as per Voltage Level.	
	1	Energy received into the system		
	2	Energy Transmitted at this voltage level to consumers/beneficiaries		
	3	Energy transmitted to the next (lower) voltage level		
	4	Energy Lost (1-2-3)		
	5	Total Loss in the System (4/1)		
B	Losses in EHT System (220 kV)			
	1	Energy received into the system		
	2	Energy sold at this voltage level		
	3	Energy transmitted to the next (lower) voltage level		
	4	Energy Lost (1-2-3)		
	5	Total Loss in the System (4/1)		
C	Losses in EHT System (132 kV)			
	1	Energy received into the system		
	2	Energy sold at this voltage level		
	3	Energy transmitted to the next (lower) voltage level		
	4	Energy Lost (1-2-3)		
	5	Total Loss in the System (4/1)		
D	Overall Losses			
	1	Energy Received (in MWh)	64497389.031	
	2	Energy Lost (in MWh)	1461431.194	
	3	Total Transmission Loss (2/1)	2.27%	

Note: 1. Overall PSTCL Transmission Losses are calculated as per Boundary Metering scheme. PSTCL Transmission Losses are not calculated as per Voltage
2. Projections are not dealt by this office.

Voltage Wise System Losses - Month Wise SLDC

(MU)

S. No.	Particulars	FY 2022-23											
		April	May	June	July	August	September	October	November	December	January	February	March
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
A.	System Losses at 400 KV	12,2264	13,8582	15,0834	17,8759	15,5708	17,2741	12,0325	17,468	8,790	13,480	17,693	17,324
B.	System Losses at 220 KV	49,4182	65,2967	75,2469	89,6932	100,7663	83,8842	57,8977	55,579	86,058	58,803	57,630	55,784
C.	System Losses at 132 KV	33,6044	41,4931	52,0547	54,5053	56,6589	58,6927	37,3008	14,689	18,284	42,248	20,355	16,804
D.	Overall Losses (in MU)	95,2490	120,6480	142,3850	162,0750	171,3525	141,558	107,231	87,736	113,133	114,531	95,678	89,912

Note: 1. Segregation of Voltage wise losses from Actual Overall Losses has been done by calculating %age of Voltage wise losses from sum of Peak & Off-Peak Losses as calculated in PSSE software and then allocating that %age to actual Overall Losses.

Note: 2. Overall PSTCL Transmission Losses are calculated as per Boundary Metering scheme by this office.

Note: 3. Projections are not dealt by this office.

Voltage Profile

S.No.	Particulars	First six months of the Previous Year			Last six months of the Previous Year			For the Current Year			Corrective Measures Proposed
		Percentage of time when voltage was	IV	V	VI	VII	VIII	IX	Percentage of time when voltage was		
I	II	III	Below (12.5%)	Above (10%)	Below (12.5%)	Above (10%)	Below (12.5%)	Above (10%)	Below (12.5%)	Above (10%)	
	At 400/220/132 kV side of transformer (incoming point of 400/220/132kV bus) <i>Include all feeders</i>										
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

* The information may be furnished for five selected critical EHV substations

(Handwritten initials)

Outages of Transmission Lines, Substations and outages due to tripping of HT feeders

S.No	Particulars Feeder & Sub- Stations details	Previous Year FY-2022-23			Corrective Measures Proposed in the Ensuing Years to Avoid Trippings
		Time of Outage			
		Number	Minutes	Total Minutes	
I	II	III	IV	V	IX
1	400 kV Level	0	0	0	
a)	Feeders	0	0	0	
b)	Transformers	13	3976	3976	
c)	Sub-Station	0	0	0	
d)	Line	77	109950	109950	
e)	Bus Reactor	0	0	0	
f)	SVCs	0	0	0	
2	220 kV Level				
a)	Feeders	0	0	0	
b)	Transformers	141	54818	54818	
c)	Sub-Station	14	1105	1105	
d)	Line	636	323551	323551	
e)	Bus Reactor	0	0	0	
f)	SVCs	0	0	0	
3	132 kV Level				
a)	Feeders	60	6445	6445	
b)	Transformers	364	65487	65487	
c)	Sub-Station	16	371	371	
d)	Line	1211	486853	486853	
e)	Bus Reactor	0	0	0	
f)	SVCs	0	0	0	
4	66 kV Level				
a)	Feeders	87	4528	4528	
b)	Transformers	586	109372	109372	
c)	Sub-Station	0	0	0	
d)	Line	8051	743773	743773	
e)	Bus Reactor	0	0	0	
f)	SVCs	0	0	0	

Failure of Transformers

S.No	Particulars	Previous Year FY-2022-23	
		Number	Actual %
1	II	III	IV
1	EHT Transformer		
	i) 400 kV Sub-Stations		
	ii) 220 kV Sub-Stations	9	1.96
	iii) 132 kV Sub-Stations	1	0.552
2	Power Transformer (HT)		
	i) 400 kV Sub-Stations		
	ii) 220 kV Sub-Stations		
	iii) 132 kV Sub-Stations		

Peak Demand in MW

S.No.	Particulars	(MW)								
		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Previous Year	Current Year (Upto Sept 2022)
I		2016-17	2017-18	2018-19	2019-20	2020-21	FY 2021-22	FY 2022-23		
1	II	III	IV	V	VI	VII	VIII	IX		
	Peak Period									
	a) Winter									
	b) Summer									
	c) Other									
2	Maximum Peak Demand									
	a) Restricted	11408	11705	12638	13606	13148	13431	14311		
	b) Unrestricted	11408	11705	12638	13606	13148	15336	14311		
3	Peak Availability Assessed									
4	Shortfall in meeting Peak Demand									
	a) Restricted	0	0	0	0	0	1905	0		
	b) Unrestricted									

Form T44

Income Tax Provisions

S. No.	Particulars	(Rs. crore)	
		Previous Year	Estimated Year
		FY 2022-23	FY 2024-25
I		Actual	Projection
	II	III	IV
1	Provision made/Proposed for the Year	-	-
2	Details as per Return filed for the Year	-	-
3	As Assessed for the Year	-	-
4	Credit/Debit of Assessment Year (Give Details)	-	-
	Total	-	-

[Handwritten signature]

Form T45

Transmission Availability (%)		FY 2022-23	
Sr.No.	Months	Actual	Actual
I	II	III	
1	April	99.7129%	
2	May	99.6484%	
3	June	99.9316%	
4	July	99.8926%	
5	August	99.9056%	
6	September	99.8820%	
7	October	99.8711%	
8	November	99.9609%	
9	December	99.4982%	
10	January	99.8582%	
11	February	99.8854%	
12	March	99.9074%	

AK

