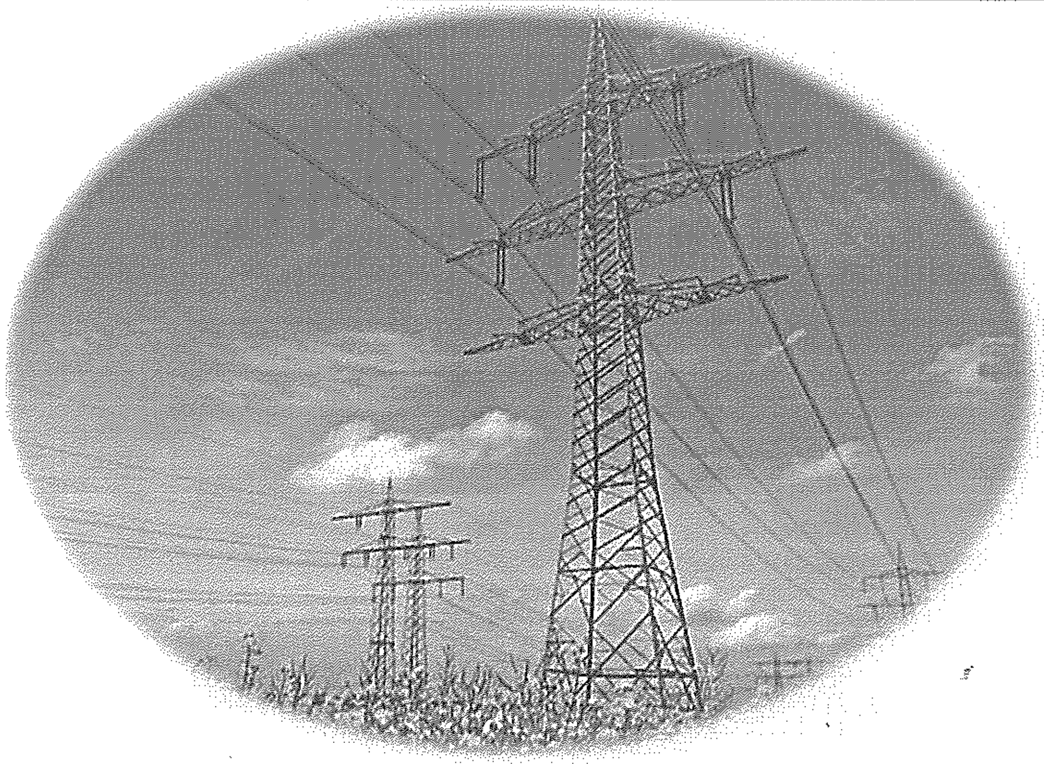

PETITION FOR TRUE UP FOR FY 2017-18, ANNUAL PERFORMANCE REVIEW FOR FY 2018-19 AND REVISED PROJECTION OF ARR AND TARIFF FOR FY 2019-20

Submitted by

pstcl

PUNJAB STATE TRANSMISSION CORPORATION LIMITED

SPECIAL ADHESIVE

SPECIAL ADHESIVE

NOTARY
UPINDERJIT SINGH
ADVOCATE NOTARY PUBLIC
Distt. Patiala (Pb.) India
Regd. No. 7342
GOVT. OF INDIA

BEFORE THE PUNJAB STATE ELECTRICITY REGULATORY COMMISSION, CHANDIGARH

PETITION NO.................... **Case No..............**

IN THE MATTER OF: Approval of the True up petition for FY 2017-18, Annual Performance Review for the FY 2018-19 and ARR of FY 2019-20 under Section 62, 64 and 86 and other applicable provisions of the Electricity Act, 2003 read with Regulation-11, 61 & 63 of the PSERC (Terms and Conditions for Determination of Generation, Transmission, Wheeling and Retail Supply Tariff) Regulations, 2014 and other applicable relevant regulations (including its amendments) and guidelines of the Punjab State Regulatory Commission for the Electricity business of Punjab State Transmission Corporation Ltd. and State Load Dispatch Centre.

AND

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

This Documents has been registered
at Serial No.......2893..........
This day of.....27 NOV 2018

AFFIDAVIT

I, Jatinder Tageja, son of Sh. Radhe Sham aged 42 residing at Patiala do hereby solemnly affirm 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 Sections 1 to 6 of the petition are true to my knowledge and the statement made in Sections 1 to 6 are based on the information collected from the concerned offices of the PSTCL and believe them to be true.

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

The Contants of this Affidavit document have been read over to the deponent He/She has accepted found & Correct

DEPONENT
(Jatinder Tageja)

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 of 27.11.2018.

I Identity the Deponent/Person to whom I know personally

Attested As Identified
NOTARY PUBLIC
PATIALA (Pb.) INDIA

DEPONENT
(Jatinder Tageja)

27 NOV 2018

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[illegible]

27/11/2018

AVTAR SINGH
... 422 HRC
... Patiala

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List of Abbreviations

AAD	Advance Against Depreciation
A&G	Administrative and General
AFC	Annual Fixed Cost
APTEL	Appellate Tribunal for Electricity
APR	Annual Performance Review
ARR	Aggregate Revenue Requirement
BBMB	Bhakra Beas Management Board
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CPI	Consumer Price Index
CWIP	Capital Work in Progress
DPR	Detailed Project Report
GFA	Gross Fixed Assets
LTOA	Long Term Open Access
MAT	Minimum Alternate Tax
O&M	Operations and Maintenance
OA	Open Access
PLR	Prime Lending Rate
PSEB	Punjab State Electricity Board
PSERC	Punjab State Electricity Regulatory Commission
PSPCL	Punjab State Power Corporation Limited
PSTCL	Punjab State Transmission Corporation Limited
RfP	Request for Proposal
R&M	Repairs and Maintenance
RoE	Return on Equity
SBAR	State Bank of India Advance Rate
SBI	State Bank of India
SLDC	State Loan Despatch Centre
STOA	Short term Open Access
STU	State Transmission Utility
ULDC	Unified Load Dispatch & Communication
WPI	Wholesale Price Index

BEFORE THE PUNJAB STATE ELECTRICITY REGULATORY COMMISSION, CHANDIGARH

Case No.__ of 2018

IN THE MATTER OF: Filing of the Petition for True-up for FY 2017-18, Annual Performance Review for FY 2018-19 and approval of revised ARR forecast and determination of Tariff for FY 2019-20 under Section 62, 64 and 86 of the Electricity Act, 2003 read with read with Regulation 11, 12, 61 and 63 of PSERC (Terms and Conditions of Determination of Generation, Transmission, Wheeling and Retail Supply Tariff) Regulations, 2014, as amended from time to time.

AND

IN THE MATTER OF Punjab State Transmission Corporation Limited (hereinafter referred as "PSTCL" or "the Petitioner")

The Petitioner respectfully submits as under: -

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 Submission of True-up and Annual Performance Review Petition

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, 2014 (hereinafter referred to as "PSERC MYT Regulations, 2014") 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 two (2) amendments in PSERC MYT Regulations, 2014 on February 3, 2016 and on August 8, 2018. The said Regulations are applicable to Generating Stations, Transmission system, SLDC and Distribution system where tariff for generation and transmission is not determined under Section 63 of the Electricity Act, 2003 through transparent process of competitive bidding in accordance with the Guidelines issued by the Central Government.

As per the Hon'ble Commission's notification dated May 28, 2015, the effective date of enforcement of these Regulations was April 1, 2017 and three-year Multi Year Tariff ("MYT") Control Period is from FY 2017-18 to FY 2019-20.

PSTCL submits that, in accordance with Regulation 9 and 10 of PSERC MYT Regulations, 2014, it had filed Petition for approval of Capital Investment Plan (Petition No. 44 of 2016) and Business Plan (Petition No. 45 of 2016) for the Control Period from FY 2017-18 to FY 2019-20 on May 30, 2016.

Further, PSTCL had filed the Petition for True-up for FY 2014-15, Review of FY 2016-17 and approval of ARR and Transmission Tariff for MYT Control Period from FY 2017-18 to FY 2019-20 (Petition No. 89 of 2016) on November 30, 2016. The Hon'ble Commission vide its Order dated October 23, 2017 had approved the True-up of FY 2014-15, True-up for FY 2015-16, Review of FY 2016-17 and Aggregate Revenue Requirement (ARR) for MYT Control period FY 2017-18 to FY 2019-20 and Tariff for FY 2017-18 for PSTCL; including Transmission Business and SLDC.

Further, PSTCL had filed Petition (Petition No. 65 of 2017) for Annual Performance Review (hereinafter referred as "APR") for FY 2017-18 and revised estimates of ARR and Tariff for FY 2018-19 on November 30, 2017. Further, PSTCL had filed the Petition (Petition No. 04 of 2018) for True-up of FY 2016-17 on February 9, 2018. The Hon'ble Commission, vide its Order dated April 19, 2018, approved the True-up for FY 2016-17, APR for FY 2017-18 and revised ARR and Tariff for FY 2018-19.

Further, Regulation 11 of PSERC MYT Regulations, 2014 specifies as under:

> *"11. ANNUAL REVIEW OF PERFORMANCE*
>
> *11.1. The Applicant shall make an application for Annual Performance Review and tariff resetting not less than 120 days before the close of each year of the control period.*
>
> ...
>
> *11.3. The Applicant shall publish its application filed for Annual Performance Review as required by Conduct of Business Regulations. The Applicant shall also display the application on its official website.*
>
> *11.4. The Annual Performance Review shall include the details of actual capital expenditure, details of income tax paid and actual operational and cost data to enable the Commission to monitor the implementation of its order including comparison of actual performance with the approved forecasts (and reasons for deviations). In addition, the Applicant shall also submit Annual Statement of its performance of generation business (indicating the cost data - plant-wise, and performance parameters - unit-wise), transmission business or distribution business, as the case may be, including a copy of its latest audited accounts.*
>
> *11.5. The Applicant shall provide any other information, as may be asked for by the Commission with a view to assess the reasons and extent of any variation in the performance from the approved forecast and the need for tariff resetting.*
>
> *11.6. In the application, Applicant shall submit information for the purpose of calculating expected tariff and expenditure along with information on financial and operational performance for the previous year(s). The information for the previous year(s) shall be based on audited accounts and in case audited accounts for the previous year(s) are not available, audited accounts for the latest previous year shall*

be filed along with unaudited accounts (provisional accounts) for all the succeeding years.

11.7. The scope of the Annual Performance Review shall be a comparison of the performance of the Applicant with the approved forecast of ARR along with the performance targets specified by the Commission.

11.8. The Commission shall review the application made under the preceding clauses based on the same principles as approved in the MYT Order on original application for determination of ARR and Tariff and upon completion of such review, either approve the proposed modification(s) with such changes as it deems appropriate, or reject the application for reasons to be recorded in writing."

Also, Regulation 61 of PSERC MYT Regulations, 2014 specifies as under:

"61. ANNUAL PERFORMANCE REVIEW FILING

The Applicant shall file the Annual Performance Review on or before 30th November in each year of the control period as per the details mentioned in regulation 11 for the Commission's review and approval."

Further, Regulation 12 of PSERC MYT Regulations, 2014 specifies as under:

"12. TRUE UP

12.1. Truing up of the ARR of the previous year shall be carried out along with the Annual Performance Review and will be adjusted in the ARR of the next year of the control period.

12.2. Truing up of uncontrollable items and normative items shall be carried out at the end of each year of the control period.

12.3. Truing up of controllable items would be done in accordance with regulation 8.

12.4. Truing-up exercise will be undertaken only when audited accounts for the year(s) under consideration have been made available. The approved aggregate gain or *loss for each business on account of controllable items will be subject to provisions of regulation 30.*

12.5. In case of any change in the approved amounts (positive or negative) during the Trueup exercise, the Commission shall consider the approved carrying cost as a separate item of expense.

12.6. The Commission may allow/recover the carrying cost for the trued up amount at the interest rate mentioned in regulation 25.1:

Provided that no carrying cost shall be permitted for the period of delay in filing of true up on account of non submission of audited accounts due to the fault of the utility: Provided that if the Commission determines an over recovery by the licensee during the True-up, carrying cost for such trued up amount shall be recovered from the Applicant."

In line with the above provisions of regulations, PSTCL is filing the present Petition for True-up of FY 2017-18, Annual Performance Review for FY 2018-19 and approval of revised ARR estimates and determination of tariff for FY 2019-20.

1.3 Overall approach for filing Annual Performance Review

Regulation 12 of PSERC MYT Regulations, 2014 specifies that True-up will be undertaken only when audited accounts for that respective year have been made available.

Further, Regulation 11 of PSERC MYT Regulations specifies that Annual Performance Review shall include the details of actual capital expenditure, details of income tax paid and actual operational and cost data. Also, it is mentioned that the information for the previous year(s) shall be based on audited accounts and in case audited accounts for the previous year(s) are not available, audited accounts for the latest previous year shall be filed along with unaudited accounts (provisional accounts) for all the succeeding years.

PSTCL submits that annual audited accounts for FY 2017-18 have been finalised.

In view of the above, PSTCL submits the present Petition on the basis of audited accounts for FY 2017-18, actual values for first half for FY 2018-19, estimated values for second half for FY 2018-19 and revised projections for FY 2019-20.

Further, PSTCL submits that submissions made in the present Petition is without prejudice to contentions made in the pending Appeals before higher courts.

1.4 Contents of the Petition

The present Petition consists of following Chapters as outlined below:

Chapter 1 – Introduction (present Chapter)

Chapter 2 - True-up for FY 2017-18: In this Chapter, the Petitioner submits the ARR based on the actual expenses and income as per the audited annual accounts for FY 2017-18. In this Chapter, the Petitioner has also presented its submissions regarding certain critical aspects influencing the true-up of expenses for FY 2017-18.

Chapter 3 – Annual Performance Review for FY 2018-19 and revised ARR for FY 2019-20: In this Chapter, the Petitioner has submitted the APR for FY 2018-19 based on actual values for first half and estimated values for second half of the year. Also, the revised ARR for FY 2019-20 has been projected based on Annual Performance Review for FY 2018-19. In this Chapter, the Petitioner has also presented its submissions regarding certain critical aspects influencing the determination of ARR for FY 2018-19 and FY 2019-20.

Chapter 4 – Proposed Tariff for FY 2019-20: In this Chapter, the Petitioner submits the proposed Tariff for Transmission Business and SLDC for FY 2019-20 considering the revised ARR for FY 2019-20 and Annual Performance Review for FY 2018-19.

Chapter 5 - Prayers: This Chapter details the prayers made by PSTCL in the present Petition.

Chapter 6 - Directives: This Chapter includes the status and compliance ofdirectives issued by the Hon'ble Commission in the past Tariff Orders.

2 TRUE UP ARR FOR FY 2017-18

2.1 Background

The Hon'ble Commission in its MYT Order dated October 23, 2017 approved the Aggregate Revenue Requirement (ARR) of Rs. 1234.87 Crore, after adjustment of carrying cost, for PSTCL for FY 2017-18. Out of this, the Net ARR of Rs. 17.88 Crore was approved for SLDC for FY 2017-18.

Further, Hon'ble Commission vide Order dated April 19, 2018, has approved the revised Net ARR of Rs. 1216.99 Crore for Transmission Business and Rs. 16.01 Crore for SLDC and approved surplus of Rs. 1.87 Crore for FY 2017-18.

Regulation 12 of PSERC MYT Regulations, 2014, as amended from time to time, specifies as under:

> ***"12. TRUE UP***
> *12.1. Truing up of the ARR of the previous year shall be carried out along with the Annual Performance Review and will be adjusted in the ARR of the next year of the control period.*
> *12.2. Truing up of uncontrollable items and normative items shall be carried out at the end of each year of the control period.*
> *12.3. Truing up of controllable items would be done in accordance with regulation 8.*
> *12.4. Truing-up exercise will be undertaken only when audited accounts for the year(s) under consideration have been made available. The approved aggregate gain or loss for each business on account of controllable items will be subject to provisions of regulation 30.*
> *12.5. In case of any change in the approved amounts (positive or negative) during the Trueup exercise, the Commission shall consider the approved carrying cost as a separate item of expense.*
> *12.6. The Commission may allow/recover the carrying cost for the trued up amount at the interest rate mentioned in regulation 25.1:*
> *Provided that no carrying cost shall be permitted for the period of delay in filing of true up on account of non submission of audited accounts due to the fault of the utility:*
> *Provided that if the Commission determines an over recovery by the licensee during the True-up, carrying cost for such trued up amount shall be recovered from the*

Applicant."

In the present Petition, the Petitioner has submitted the True-up for FY 2017-18 based on the audited accounts for FY 2017-18. 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 in FY 2017-18 for transmission and SLDC business.

2.2 Description of the Transmission System

The details of the transmission system of PSTCL as on April 1, 2017 to March 31, 2018 are tabulated below:

Table 1: Transmission System of PSTCL during FY 2017-18

Sr. No.	Particulars	Opening (As on 1st April 2017)	Addition during the year	Retirement during the year	Closing (As on 31st March 2018)
Transmission Lines (Circuit-kms)					
1	400 kV	1,599.75	-	-	1,599.75
2	220 kV	6,740.60	72.15	31.14	6,781.61
3	132 kV	3,125.18	23.92	13.46	3,135.64
	Total	**11,465.53**	**96.07**	**44.60**	**11,516.99**
Substations (Nos.)					
1	400 kV	5	-	-	5
2	220 kV	94	2	-	96
3	132 kV	69	-	-	69
	Total	**168**	**2**	**-**	**170**
Transmission Substation Bays (Nos.)					
1	400 kV	60	-	-	60
2	220 kV	628	22	-	650
3	132 kV	513	1	5	509
4	66 kV	1,139	15	-	1,154
5	33kV	12	-	-	12
	Total	2,352	38	5	2,385

Sr. No.	Particulars	Opening (As on 1st April 2017)	Addition during the year	Retirement during the year	Closing (As on 31st March 2018)
Substation Capacity (MVA)					
1	Substation Capacity	33566.17	1388.00	-	34954.17

2.3 Transmission System Availability

The Petitioner submits that the overall Transmission System Availability for FY 2017-18, as certified by Chief Engineer SLDC,(Copy attached as per Annexure - I) was 99.97%. The following table provides the transmission system availability for each month of FY 2017-18:

Table 2: Transmission System Availability for FY 2017-18

Sr. No.	Month	Transmission System Availability (%)
1	Apr-17	99.97%
2	May-17	99.94%
3	Jun-17	99.97%
4	Jul-17	99.99%
5	Aug-17	99.98%
6	Sep-17	99.99%
7	Oct-17	99.99%
8	Nov-17	99.96%
9	Dec-17	99.99%
10	Jan-18	99.94%
11	Feb-18	99.98%
12	Mar-18	99.99%
13	**Grand Total**	**99.97%**

The incentive on account of achievement of Transmission System Availability is discussed subsequently in this Chapter.

2.4 Transmission Losses

The Hon'ble Commission, in the APR for FY 2017-18, had stated that although PSTCL had completed Intra-State Boundary metering cum Transmission Level Energy Scheme, the data was yet to be stabilized. The Hon'ble Commission in APR for 2017-18, had provisionally retained the Transmission Loss level for FY 2017-18 at 2.50%, as approved in the Tariff Order for FY 2017-18. In the Tariff Order for FY 2017-18, the Hon'ble Commission had stated that it would revisit the Transmission Losses for FY 2017-18 during review/true-up on the basis of stabilized transmission loss data for full year.

Further, PSTCL submits that in reference to the meeting held by Hon'ble Commission on September 18, 2018, PSTCL has submitted the detailed justification of Transmission Losses vide Memo. No. 2455/FA/Comml.-23/Vol.-VI, dated October 5, 2018.

Further, PSTCL submits that the stabilised data for transmission loss is available from April 2017 toMarch 2018 as shown in the Table below:

Table 3: Actual Transmission Loss for FY 2017-18

Sr. No.	Month	Energy Input (MWh)	Energy sent to Distribution network (MWh)	Transmission Loss (%)
1	Apr-17	3178328	3072798	3.32%
2	May-17	4582304	4448238	2.93%
3	Jun-17	4981671	4851319	2.62%
4	Jul-17	6603951	6471100	2.01%
5	Aug-17	6178639	5966840	3.43%
6	Sep-17	5336484	5127861	3.91%
7	Oct-17	3959420	3872626	2.19%
8	Nov-17	2660262	2527512	4.99%
9	Dec-17	2918229	2800907	4.02%
10	Jan-18	2928285	2832306	3.28%
11	Feb-18	2695787	2627711	2.53%
12	Mar-18	3331106	3216383	3.44%
	Total	**49354466**	**47815601**	**3.12%**

Accordingly, transmission loss for FY 2017-18 works out to 3.12%. **Therefore, the Petitioner prays to Hon'ble Commission to approve the transmission loss of 3.12% for FY 2017-18.**

2.5 O&M Expenses

Regulation 26 of PSERC MYT Regulations, 2014, and its subsequent first amendment 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&Mn = (R&Mn + EMPn + A&Gn) x (1-Xn)

Where,

...

(iii) Xn is an efficiency factor for nth year

The value of Xn shall be determined by the Commission in its first 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:

2.5.1 Employee Costs

In the MYT Petition for FY 2017-18 to FY 2019-20, PSTCL claimed Employee Costs of Rs. 530.43 Crore for Transmission business and Rs. 7.59 Crore for SLDC for FY 2017-18. As against this, the Hon'ble Commission had approved employee costs of Rs. 430.58 Crore for Transmission and Rs. 6.75 Crore for SLDC in for FY 2017-18.

In the APR for FY 2017-18, the Petitioner submitted revised estimates for employee cost as Rs. 497.91 Crore for Transmission business and Rs. 7.57 Crore for SLDC business. As against this, the Hon'ble Commission has approved the employee costs of Rs. 430.58 Crore for Transmission and Rs. 6.75 Crore for SLDC for FY 2017-18.

Actual Employee Costs

The Petitioner submits the actual Employee Costs to the Hon'ble Commission for consideration. The details of Employee Costs as per Audited Accounts for FY 2017-18 are shown in the following table:

Table 4: Employee Costs for FY 2017-18 as per Audited Accounts (Rs. Crore)

Sr. No	Particulars	Transmission	SLDC	PSTCL
1	Salaries	77.50	2.50	80.00
2	Interim relief/ Wage Revision	-	-	-
3	Overtime	4.66	-	4.66
4	Dearness Allowance	94.81	3.07	97.88
5	Other Allowances	16.13	0.50	16.63
6	Bonus	0.06	0.00	0.06
	Total (A)	**193.16**	**6.07**	**199.23**
7	Staff Welfare Expenses			
I	Electricity Concession to Employees	1.68	-	1.68
II	Other Staff Welfare Expenses (Uniforms, etc.)	0.08	0.00	0.08
	Total (B)	**1.76**	**0.00**	**1.76**
8	Medical Reimbursement	1.00	0.02	1.03
9	LTC Expenses	0.14	0.03	0.17
10	Payment under Workmen Compensation Act	-	-	-
	Total (C)	**1.14**	**0.05**	**1.19**
11	**Manpower Outsourcing cost (D)**	**23.71**	**0.25**	**23.96**
12	Less:			
	Employee costs capitalized	39.08	-	39.08
	Total (E)	**39.08**	**-**	**39.08**
13	**Net Total (F=A+B+C+D-E)**	**180.69**	**6.38**	**187.06**
14	**Terminal benefits (G)**	**283.89**	**0.13**	**284.01**
15	**Grand Total (F+G)**	**464.57**	**6.50**	**471.08**

The Petitioner has considered the Terminal benefits for the employees of erstwhile PSEB covered under Pension as Rs. 279.45 Crore being 11.36% of the total amount as intimated by PSPCL. It is submitted that the employees recruited by PSTCL are covered under New Pension Scheme (NPS) and are entitled to gratuity under the provisions of the Payment of Gratuity Act, 1972 and the leave salary under the Leave Rules of the Corporation.

PSTCL has considered the Terminal benefits for employees of erstwhile PSEB and the terminal liabilities towards NPS is considered based on actual pay-out made. The terminal benefits considered by PSTCL is as shown in the following Table:

Table 5: Terminal Benefits for FY 2017-18 (Rs. Crore)

Sr. No	Particulars	PSTCL
1	Terminal Benefits for the Employees of erstwhile PSEB	279.45
2	Terminal Benefits towards NPS for new employees recruited by PSTCL	4.15
3	Terminal Benefits towards Gratuity and Leave encashment for new employees recruited by PSTCL	-*
4	Miscellaneous -PF Inspection fees, solatium, contribution to CPF, PF, LWF, etc.	0.42
5	**Grand Total**	**284.01**

* Further, PSTCL submits that, as directed by the Hon'ble Commission, it has not considered the Terminal Benefits of Rs. 1.10 Crore on account of the provision for gratuity and leave encashment for employees recruited by PSTCL in the present Petition. However, PSTCL will claim such expenses on *Pay as you go* basis, as and when such expenses will occur, as directed by the Hon'ble Commission.

Hon'ble Commission is not allowing Progressive funding to PSTCL on the ground that PSERC MYT Regulations, 2014 provides for payment of terminal liabilities on the principle of *Pay as you go* basis. The Petitioner has not considered any progressive funding of terminal benefits in view of pending appeal before Hon'ble Supreme Court.

PSTCL further submits that Rs. 0.01 Crore, Miscellaneous losses and write offs on account of compensation paid to staff under The Employee Compensation Act, 1923, is included in the Actual Employee Cost submitted by the PSTCL in the above Table.

The details of head-wise actual Employee cost for Transmission and SLDC have been provided in Format F1.

Computation of Normative Employee Cost

First Amendment of PSERC MYT Regulations, 2014 dated February 3, 2016 specifies as under:

"Clause 26.1 of regulation 26 shall be substituted as under:

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

O&Mn = (R&Mn + EMPn + A&Gn) x (1-Xn)

Where,

...

(ii) EMPn = (EMPn-1)(INDEX n/INDEX n-1)*

- *INDEXn - Inflation Factor to be used for indexing the Employee Cost.*
- *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:-*

*INDEXn = 0.50*CPIn + 0.50*WPIn*

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

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

...

Note 4: Terminal Liabilities such as death-cum-retirement gratuity, pension, commuted pension, leave encashment, LTC, medical reimbursement including fixed medical allowance in respect of 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 approved amount by the Commission shall be trued up in the Annual Performance Review.

Note 6: Exceptional increase in employee cost on account of pay revision etc. 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.
..."

In view of the above-mentioned Regulation, the Petitioner has considered the Terminal benefits of Rs. 284.01 Crore for FY 2017-18 based on audited accounts.

It may be noted that the Hon'ble Commission, in APR of FY 2017-18, has considered the normative Employee Cost at the same level as approved in the MYT Order dated October 23, 2017, which was based on the other employee cost allowed for FY 2015-16.
Further, Regulation 26.1 of first amendment of PSERC MYT Regulations, 2014 specifiesas under:

"(ii) $EMPn = (EMP_{n-1})*(INDEX\ n/INDEX_{n-1})$*"*

wherein, EMPn is defined as Employee Cost of the Applicant for the nth year. Therefore, as per PSERC MYT Regulations, 2014, EMP_{n-1} is the Employee Cost for previous year. Therefore, as per first amendment of PSERC MYT Regulations, 2014, the other Employee Cost in FY 2016-17 has been taken as the base for computing normative Employee Cost for FY 2017-18. PSERC MYT Regulations 2014, as amended from time to time, do not specify whether the base expenses to be considered should be gross or net. The Hon'ble Commission may appreciate that the normative Employee expenses to be permitted should be at gross level only, as the expense capitalisation depends on capital projects undertaken and staff or employees of PSTCL dedicated to such project execution.

For example, in case the normative Employee expenses are allowed on a net of capitalization taking a base year but actual capitalisation of that respective year is different from that of base year, then the normative allowance would be lower/higher because these may not be exactly same as of the current year. In some years, the capitalization may be veryhigh due to several capital projects being taken up by the licensee whereas; in some years it may be negligible due to very less capital projects taken up. The expense capitalised, therefore, is a factor which varies unpredictably and normative Employee expense should be provided at gross level only. The Petitioner respectfully submits that the actual expense capitalized can only be considered in ARR.

In view of the above, the Petitioner has considered Other Employee Cost of Rs. 215.90Crore for FY 2016-17 for Transmission Business as base expenses after adding capitalised employee costs of Rs. 43.43 Crore, as per audited accounts. Since, no employee cost has been capitalised for SLDC for FY 2016-17, the Petitioner has considered the Other employee cost of Rs. 6.42 Crore for FY 2016-17 for SLDC as base expenses as per audited accounts.

The Petitioner has computed the Gross Other employee costs for FY 2017-18 as shown in the following table:

Table 6: Computation of Other Employee Costs for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC	PSTCL
1	Net Other Employee Cost for FY 2016-17	172.47	6.42	178.89
2	Add: Employee Costs capitalised in FY 2016-17	43.43	-	43.43
3	Gross Other Employee Costs allowed for FY 2016-17	215.90	6.42	222.32
4	CPI:WPI (50:50) Increase of FY 2017-18 over FY 2016-17	3.03%	3.03%	3.03%
5	Gross Other Employee Cost for FY 2017-18	222.45	6.61	229.06

Further, PSTCL submits that 362 new employees were recruited in FY 2017-18 at various designations having different pay scales. The impact of recruitment of these new employees is Rs. 4.91 Crore. PSTCL has considered the impact of addition of new employees in Transmission Business for computing Normative Employee Costs.

Accordingly, the normative employee costs for FY 2017-18 are computed as shown in the following table:

Table 7: Normative Employee Cost for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC	PSTCL
1	Gross Other Employee Cost	222.45	6.61	229.06
2	Terminal Benefits	283.89	0.13	284.01
3	Impact of new recruitments	4.91	-	4.91
4	Arrears of Pay Revision	0.04	-	0.04
5	Less: Employee Expenses capitalised	39.08	-	39.08
6	**Total Employee Costs**	**472.20**	**6.74**	**478.94**

The Petitioner submits that the normative Employee Cost for FY 2017-18, is higher than actual audited Employee Cost for FY 2017-18, as seen from the Tables above. Although PSTCL is eligible for higher Employee Cost as per PSERC MYT Regulations, 2014, as amended from time to time, PSTCL claims the actual Employee Costs for FY 2017-18 as shown in the Table below:

Table 8: Employee Costs for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC	PSTCL
1	Terminal Benefits	283.89	0.13	284.01
2	Other Employee Costs	180.69	6.38	187.06
3	**Total Employee Costs**	**464.57**	**6.50**	**471.08**

The Petitioner requests Hon'ble Commission to allow actual employee cost on the basis of audited annual accounts, as shown in the Table above.

2.6 R&M and A&G Expenses-

In the MYT Petition for FY 2017-18 to FY 2019-20, PSTCL claimed R&M and A&G Expenses of Rs. 58.93 Crore for Transmission business and Rs. 2.60 Crore for SLDC for FY 2017-18. As against this, the Hon'ble Commission had provisionally approved R&M and A&G expenses of Rs. 57.30 Crore for Transmission and Rs. 1.89 Crore for SLDC in the MYT Order for FY 2017-18.

In the APR for FY 2017-18, the Petitioner submitted revised estimates for R&M and A&G expenses as Rs. 58.83 Crore for Transmission business and Rs. 1.85 Crore for SLDC business. As against this, the Hon'ble Commission had approved R&M and A&G expenses of Rs. 57.30 Crore for Transmission and Rs. 1.89 Crore for SLDC in APR for FY 2017-18.

The actual R&M and A&G expenses incurred, as per the audited annual accounts for FY 2017-18 are provided as below:

Table 9: R&M and A&G Expenses for FY 2017-18 (Audited) (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC	PSTCL
1	R&M Expenses	22.26	0.55	22.81
2	A&G Expenses	27.17	0.80	27.97
3	**R&M and A&G Expenses**	49.43	1.35	50.78

The details of head-wise R&M and A&G Expenses for FY 2017-18 for Transmission and SLDC have been provided in Format F4 and F5.

PSERC MYT Regulations, 2014 specifies the R&M and A&G expenses on normative basis. Accordingly, on the basis of actual Capitalisation and Capital Expenditure for FY 2017-18 as per audited accounts, PSTCL has reworked the Normative R&M and A&G Expenses for FY 2017-18 as per Regulation 26 of PSERC MYT Regulations, 2014, as amended from time to time.Accordingly, the K-factor has been computed for FY 2017-18 and FY 2018-19 as shown in the following Table:

Table 10: Computation of K for FY 2017-18

Particulars	Transmission	SLDC
K-factor	0.61%	7.31%
WPI Index	2.92%	2.92%
Escalated K-factor	0.63%	7.52%

Further, PSTCL submits that assets funded through Contributory Works of Rs. 45.55 Crore were added in fixed assets in FY 2017-18. However, the assets, including the assets funded through Contributory Works, have to be operated and maintained by PSTCL. Therefore, PSTCL has considered the impact of these assets in Gross Fixed Assets for FY 2017-18 for computing R&M and A&G Expenses. Accordingly, PSTCL has submitted combined Normative R&M and A&G expenses for Transmission and SLDC Business as under:

Table 11: Normative R&M and A&G Expenses for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC
	Transmission Business		
1	Opening GFA	8881.83	18.47
2	Closing GFA	9444.25	18.57
3	Average GFA	9163.04	18.52
4	Escalated K-factor	0.63%	7.52%
5	**R&M and A&G Expenses**	**57.53**	**1.39**
6	Add: Audit Fee	0.26	-
7	Add: Licence Fee and ARR Fee	0.50	-
8	**Grand Total**	**58.29**	**1.39**

The Petitioner requests Hon'ble Commission to allow actual R&M and A&G Expenses of Rs. 49.43 Crore for Transmission Business and Rs. 1.35 Crore for SLDC, on the basis of audited annual accounts.

2.7 Investment and Capital Expenditure

The Petitioner submits that Opening Capital Work in Progress for FY 2017-18 as per audited accounts is Rs. 665.20 Crore. The Petitioner had made Investment of Rs.354.10 Crore during FY 2017-18 and; out of thisan amount of Rs. 564.41 Crore has been capitalised and transferred to Fixed Assets. The remaining investment was carried over as Capital Work in Progress to the next year.

Further, PSTCL submits that in FY 2017-18, the assets funded through Contributory Works of Rs. 45.55 Crore were added to fixed assets.The Capital Expenditure of Rs.

22.77 Crore for these assets was funded through Contributory Works in FY 2017-18 and remaining Capital Expenditure for these assets, i.e., Rs. 22.78 Crore, was funded through Contributory Worksover past years. However, PSTCL had inadvertently claimed the funding of Capital Expenditure of Rs. 22.78 Crore for these assets through Loans in previous years, which the Hon'ble Commission had disallowed.

PSTCL submits that Hon'ble Commission has already disallowed funding of Capital Expenditure of Rs. 249.20 Crore (detailed break-up provided in this Section subsequently) through loans. After excluding funding of Assets funded through contributory works amounting to Rs. 22.78 Crore inadvertently claimed by PSTCL through loans in previous years, the revised disallowances on funding of Capital Expenditure through such loansby Hon'ble Commission works out to Rs. 226.42 Crore (Rs. 249.20 Crore - Rs. 22.78 Crore).

Further, since these assets funded through Contributory Works of Rs. 45.55 Crore were Capitalised in FY 2017-18, PSTCL has excluded the Depreciation on these assets funded through Contributory Works in FY 2017-18.

Further, PSTCL submits that Capital Expenditure to the extent of Rs. 22.77 Crore on the assets funded through Contributory Work in FY 2017-18 has not been considered for funding through Equity or Loans in FY 2017-18.

PSTCL further submits that Capital Expenditure of Rs. 25.86 Crore for Procurement of Emergency Restoration System (ERS) was incurred in FY 2017-18. However, this Capital Expenditure during 2017-18 on this work was Capitalised directly as there was no construction activity involved and,therefore, was not routed through Capital Expenditure.

The details for Capital Investment for Transmission and SLDC are shown in the following table:

Table 12: Capital Investment for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC	PSTCL
1	Opening Capital work in progress	660.78	4.42	665.20
2	Add: Addition of Capital Expenditure during the year	352.51*	1.59	354.10*
3	Less: Transferred to fixed assets during the year	564.33	0.08	564.41
4	Closing Capital Works in progress	448.96	5.93	454.89

*The Capital Expenditure of Rs. 351.01 Crore during FY 2017-18, as mentioned in the Audited Accounts includes the Capital Expenditure of Rs. 22.77 Crore on account of Contributory Works carried out in FY 2017-18 and does not include the Capital Expenditure of Rs. 25.86 Crore for Procurement of ERS (as mentioned in earlier paragraphs). However, for the purpose of this True-up for FY 2017-18, PSTCL has not considered the Capital Expenditure for Contributory Works carried out in FY 2017-18. Further, PSTCL has considered Capital Expenditure for Procurement of Emergency Restoration System (ERS), which was incurred in FY 2017-18 for the purpose of this True-up.

2.8 Funding of Capital Expenditure

The Petitioner submits that during FY 2017-18, it has incurred the Capital Expenditure of Rs. 354.10 Crore, excluding Capital Expenditure of Rs. 22.77 Crore for Contributory Works.**As per the methodology adopted by Hon'ble Commission in its MYT Order dated October 23, 2017 and Tariff Order dated April 19, 2018,** PSTCL undertook funding of 30% of this Capital Expenditure, i.e., Rs. 106.23 Crore, through equity for FY 2017-18. The remaining Capital Expenditure of Rs. 247.87 Crore in FY 2017-18 was funded by availing loans from Banks/Financial Institutions.

2.9 Depreciation

Regulation 21 of the PSERC MYT Regulations, 2014, as amended on February 3, 2016 and August 8, 2018, specifies as under:

"21. DEPRECIATION

For the purpose of tariff, depreciation shall be computed in the following manner:

21.1. The value base for the purpose of depreciation shall be the capital cost of the assets admitted by the Commission:

Provided further that Govt. grants and consumer contribution shall also be recognized as defined under Indian Accounting Standard 20 (IND AS 20) notified by the Ministry of Corporate Affairs

Provided that land other than the land held under lease and the land for reservoir in case of hydro generating station shall not be a depreciable asset and its cost shall be excluded from the capital cost while computing depreciable value of the asset;

Provided further that depreciation shall be calculated after deduction of consumer contributions, capital subsidies/ Government grants.

Provided further that Govt. grants and consumer contribution shall also be recognized as defined under Indian Accounting Standard 20 (IND AS 20) notified by the Ministry of Corporate Affairs.

21.2. The cost of the asset shall include additional capitalization.

21.3. The cost shall include foreign currency funding converted to equivalent rupees at the exchange rate prevalent on the date when foreign currency shall actually be availed but not later than the date of commercial operation.

21.4. Depreciation for generation and transmission assets shall be calculated annually as per straight line method over the useful life of the asset at the rate of depreciation specified by the Central Electricity Regulatory Commission from time to time.

21.5. Depreciation for distribution assets and other assets not specified by CERC shall be at the rates notified by the Commission:

Provided that the total depreciation during the life of the asset shall not exceed 90% of the original cost;

Provided that the remaining depreciable value as on 31st March of the year closing after a period of 12 years from date of commercial operation/ put in use of the asset shall be spread over the balance useful life of the assets;

Provided further that in case of hydro generating stations, the salvage value shall be as provided in the agreement signed by the developers with the State Government for creation of the site.

21.6. Depreciation shall be chargeable from the first year of commercial operation/asset is put in use. In case of commercial operation of the asset/put in use of asset for part of the year, depreciation shall be charged on pro rata basis."

Hon'ble Commission in MYT Order for FY 2017-18 to FY 2019-20 approved the Depreciation of Rs. 279.94 Crore for Transmission and Rs. 1.17 Crore for SLDC for FY 2017-18. Further, the Petitioner, in APR of FY 2017-18, revised the projected depreciation charges as Rs. 324.45 Crore for Transmission and Rs. 1.29 Crore for SLDC. As against this, Hon'ble Commission approved the depreciation charges of Rs. 279.94 Crore for Transmission and Rs. 1.17 Crore for SLDC in APR forFY 2017-18.

Further, PSTCL has not considered any Depreciation on account of assets funded through Contributory Works in FY 2017-18.

Accordingly, for the purpose of True-up of FY 2017-18, the Petitioner submits the details of depreciation as per the annual audited accounts for FY 2017-18 as shown in the Table below:

Table 13: Depreciation for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC	PSTCL
1	Depreciation	267.89	0.94	268.84

The Petitioner requests the Hon'ble Commission to approve the Depreciation as per the Table above,based on the audited accounts for FY 2017-18.

2.10 Interest Charges

Regulation 24 of the PSERC MYT Regulations, 2014, 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 MYT Order dated October 23, 2017 has approved the Interest Charges of Rs. 358.80 Crore for Transmission and Rs. 1.13 Crore for SLDC for FY 2017-18. Further, the Petitioner, in APR of FY 2017-18, revised the projected Interest Charges as Rs. 384.75 Crore for Transmission and Rs. 1.10 Crore for SLDC. As against this, the Hon'ble Commission in APR for FY 2017-18 has approved the Interest Charges of Rs. 358.80 Crore for Transmission and Rs. 1.13 Crore for SLDC for FY 2017-18.

PSTCL submits that it had inadvertently claimed funding of Assets funded through contributory works of Rs.22.78 Crore through loans, which have already been disallowed by the Hon'ble Commission in previous Orders. Hon'ble Commission had disallowed such claims of PSTCL to the extent of Rs. 249.20 Crore. However, since PSTCL had claimed funding of Assets funded through Contributory Works of Rs.22.78 Crore through such loans, PSTCL has revised the total disallowances on account of funding of capital expenditure through such loans as Rs. 226.42 Crore (Rs. 249.20 Crore - Rs. 22.78 Crore). These disallowances have been detailed in subsequent paragraphs.

In the Tariff Order dated April 19, 2018, the Hon'ble Commission has disallowed the interest charges on loans to the extent of Rs. 50 Crore for Transmission Business and Rs. 0.75 Crore for SLDCin True up of FY 2016-17, stating that the loans were not of the nature of long-term loans.Likewise, in its MYT Order dated October 23, 2017, Hon'ble Commission had disallowed such loans of Rs. 67.74 Crore from Bank of India and Rs. 60.00 Crore from State Bank of Patiala during True up of FY 2014-15 and Rs. 70.71 Crore from Bank of India in True Up of FY 2015-16. This has led to total disallowance of Loans of Rs. 249.20 Crore for PSTCL. However, as mentioned in above paragraph, PSTCL had inadvertently claimed funding of Assets funded through contributory works of Rs. 22.78 Crore through such loans. Therefore, revised disallowances work out as Rs. 226.42 Crore (Rs. 249.20 Crore - Rs. 22.78 Crore).

On one hand, Hon'ble Commission has disallowed such loans, while on the other hand, Hon'ble Commission has also not considered any equity infusionfor funding of such capital expenditure. Therefore, this approach adopted by Hon'ble Commission is not prudent as funding of Capital Expenditure has to be allowed either by loan or equity. For the purpose of the true-up for FY 2017-18, PSTCL has considered such loans (adjusted for the impact of addition of assets funded through Contributory works as explained above), which were disallowed by Hon'ble Commission, in opening balance of loan for FY 2017-18.

For the purpose of True up for FY 2017-18, the Petitioner has considered the Interest Charges based on Audited Accounts and actual loan taken against the investment done during FY 2017-18. The source wise long-term loan outstanding for PSTCL for FY 2017-18 is shown in the following table:

Table 14: Source wise Loan outstanding for FY 2017-18 (Rs. Crore)

Sr. No.	Name of Source	Opening Balance as on April 1, 2017	Loan Received	Loan Repaid	Closing Balance as on March31, 2018
1	LIC	33.97	-	22.84	11.13
2	REC	2,927.53	198.82	234.94	2,891.41

3	SBOP	44.00	-	20.78	23.22
4	NABARD	197.58	17.03	3.22	211.39
5	PSPCL	503.16	-	495.57	7.59
6	PFC -2	-	495.57	-	495.57
7	GPF	131.74	-	21.96	109.78
8	Bank of India	165.68*	-	-	165.68
9	PFC -1	61.06	30.78		91.84
10	Loan for SLDC	6.70	1.24	0.32	7.62
11	**Total loan for PSTCL**	**4,071.42**	**743.44**	**799.63**	**4,015.23**

**The Opening Balance of Bank of India Loan (which was previously disallowed by the Hon'ble Commission) has been adjust by subtracting Rs. 22.78 Crore on account of assets funded through Contributory Works, which was inadvertently claimed through this Loan by PSTCL. Revised Opening Balance of Bank of India Loan works out to Rs. 165.68 Crore (Rs. 188.46 Crore-Rs. 22.78 Crore)*

The Petitioner submits that it has incurred the Interest Charges as given in the table below:

Table 15: Interest and Finance Charges for FY 2017-18 (Audited) (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC	PSTCL
	Interest on Loans:			
1	Life Insurance Corporation	1.95	-	1.95
2	Rural Electrification Corporation	310.11	0.82	310.93
3	SBOP	3.65	-	3.65
4	NABARD	21.09	-	21.09
5	Loan from PSPCL	52.62	-	52.62
6	Power Finance Corporation -2	0.53	-	0.53
7	General Provident Fund	9.46	-	9.46
8	Bank of India	18.20	-	18.20
9	Power Finance Corporation-1	8.87	-	8.87
	Sub-total	**426.48**	**0.82**	**427.30**
10	Less: Interest capitalized	39.76	-	39.76
11	Add: Miscellaneous interest/finance charges	0.38	-	0.38
12	Add: Guarantee Charges	5.00	-	5.00

13	Net Total	392.11	0.82	392.93

As regards Loan from PSPCL and PFC-2, PSTCL vide Memo No. 817 dated March 20, 2018, sought the Hon'ble Commission's approval for swapping of loan from PSPCL to PFC. Hon'ble Commission, vide its letter dated March 27, 2018, stated that it is the responsibility of Utility to select the most viable sources of seeking debt which are in the interest of Utility and also of the Consumers. Accordingly, Hon'ble Commission allowed PSTCL to take necessary action at its end accordingly. In view of afore-mentioned, PSTCL submits that it has carried out the refinancing of PSPCL Loan of Rs. 495.57 Croreby availing loan from PFC in FY 2017-18. This refinancing was done to avail loan at cheaper interest rate from PFC as compared to PSPCL. The benefit of this refinancing is explained in the ensuing paragraph.

The Loan from PSPCL had the moratorium period upto FY 2020-21 and repayment period of five (5) years afterwards (FY 2021-22 to FY 2025-26). The rate of interest applicable per annum on PSPCL Loan was PNB Base Rate plus 1.50% which works out to 10.75% per annum as on date (current PNB Base rate is 9.25%). Considering the remaining moratorium period of three (3) years (from FY 2018-19 to FY 2020-21) and repayment period of five years afterwards, total cash out flow for complete repayment of loan and associated interest at the end of FY 2025-26 would have been Rs. 788.58 Crore in case the PSPCL loan was continued.

On the other hand, PFC also has moratorium period upto FY 2020-21 and repayment period of five (5) years afterwards (FY 2021-22 to FY 2025-26). However, the rate on interest per annum in case of PFC loan is 9.70% (as compared to 10.75% per annum in case of PSPCL loan). Therefore, considering the moratorium period of three years (FY 2018-19 to FY 2020-21) and repayment period of five (5) years afterwards, total cash outflow for repayment of PFC Loan including associated interest at the end of FY 2025-26 works out to be Rs. 759.96 Crore. Therefore, PSTCL projects the savings of Rs. 28.62 Crore (Rs. 788.58 Crore – Rs. 759.56 Crore) as a result of refinancing of Loan from PSPCL to PFC.

The Petitioner prays the Hon'ble Commission to approve the Interest Charges Rs. 392.11Crore for Transmission and Rs. 0.82 Crore for SLDC for FY 2017-18 after True-up.

2.11 Return on Equity

Regulation 20 of the PSERC MYT Regulations, 2014, 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 MYT Order for FY 2017-18 to FY 2019-20, had approved the Return on Equity of Rs. 101.78 Crore for Transmission for FY 2017-18. Further, the Petitioner, in APR of FY 2017-18, revised the Return on Equity as Rs. 101.19 Crore for Transmission. Against this, Hon'ble Commission in APR for FY 2017-18 has approved the Return on Equity of Rs. 101.78 Crore for Transmission.

PSTCL submits that it has partly funded the Capital Expenditure (30% for Capital Expenditure)through equity infusion in FY 2017-18, by reinvesting the RoE for FY 2017-18.For the purpose of calculating Return on Equity for FY 2017-18 on Normative basis, PSTCL has considered the RoE at the rate of 15.50% in accordance with the PSERC MYT Regulations, 2014. The Petitioner computed thenormativeRoE for FY 2017-18 with details as provided below:

Table 16: NormativeReturn on Equity for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	PSTCL
1	Equity at the opening of FY 2017-18	605.88
2	Addition of equity during the year	106.23
3	Equity at the closing of FY 2017-18	712.11

4	Rate of Return (%)	15.50%
5	**Return on Equity**	102.14

As seen from the Table above, Normative RoE for FY 2017-18 is less than the Equity addition of Rs. 106.23 Crore for FY 2017-18. However, since funding of Capital Expenditure for FY 2017-18 has to be done through reinvesting the RoE for FY 2017-18, approval of Normative RoE will lead to a shortfall in funding of Capital Expenditure for FY 2017-18 by Rs. Rs. 4.09 Crore.

Therefore, PSTCL prays to the Hon'ble Commission to approve the RoEof Rs. 106.23 Crore for FY 2017-18 at the same level as addition of Equity during the year FY 2017-18.

2.12 Interest on Working Capital

Regulation 54 of the PSERC MYT Regulations, 2014, specifies as under:

"54. INTEREST ON WORKING CAPITAL

54.1 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. Receivables equivalent to two (2) months of fixed cost calculated on normative target availability.

54.2 Rate of Interest

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

In its MYT Order October 23, 2017, theHon'ble Commission approved the Interest on Working Capital as Rs. 37.84 Crore for Transmission and Rs. 0.59 Crore for SLDC for FY 2017-18. Further, the Petitioner, in APR of FY 2017-18, revised the projected Interest on Working Capital as Rs. 40.46 Crore for Transmission and Rs. 0.56 Crore for SLDC. As against this, the Hon'ble Commission, in APR of FY 2017-18, has approved the Interest on Working Capital of Rs. 37.84 Crore for Transmission and Rs. 0.55 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, 2014. The Petitioner has considered the actual weighted average rate of interest for Working Capital loans for Transmission and SLDC Business. The computation of Interest on Working Capital is submitted in the following table:

Table 17: Interest on Working Capital for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC
1	Receivables equivalent to two months of fixed cost	220.92	3.25
2	Maintenance spares @ 15% of O&M expenses	77.10	1.18
3	Operation and Maintenance expenses for one month	42.83	0.65
4	Total Working Capital (Normative)	340.85	5.08
5	Rate of Interest applied	11.22%	11.22%
6	**Interest on Working Capital**	**38.23**	**0.57**

The Petitioner prays the Hon'ble Commission to approve the Interest on Working Capital as shown in the Table above for Transmission Business and SLDC for FY 2017-18 after True-up.

2.13 ULDC Charges

Hon'ble Commission, in MYT Order for FY 2017-18 to FY 2019-20, had approved the ULDC charges of Rs. 11.76 Crore for FY 2017-18 for SLDC. Further, the Petitioner, in APR of FY 2017-18, revised the projected ULDC Charges as Rs. 9.93 Crore, and the same were approved by the Hon'ble Commission in APR for FY 2017-18. For the purpose of True-up for FY 2017-18, the Petitioner submits the actual ULDC Charges based on Audited Accounts as shown in the following Table:

Table 18: ULDC Charges for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC	PSTCL
1	ULDC Charges - SLDC own share	-	5.70	5.70
2	ULDC Charges - BBMB share	-	2.58	2.58
3	ULDC Charges - Central Sector share	-	-	-
4	NRLDC Charges	-	2.46	2.46

5	Total		-	10.73	10.73

The Petitioner prays the Hon'ble Commission to approve the ULDC charges of Rs. 10.73 Crore for FY 2017-18 after True-up.

2.14 Non-tariff Income

Regulation 28 of the PSERC MYT Regulations, 2014, 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 MYT Order for FY 2017-18 to FY 2019-20, Hon'ble Commission has approved the Non-tariff Income of Rs. 49.25 Crore for Transmission and Rs. 5.41 Crore for SLDC for FY 2017-18. Further, the Petitioner, in APR of FY 2017-18, revised the projected Non-tariff Income as Rs. 20.77 Crore for Transmission Business and Rs. 5.41 Crore for SLDC. As against this, the Hon'ble Commission, in APR for FY 2017-18, has approved the Non-tariff Income of Rs. 49.25 Crore for Transmission and Rs. 5.41 Crore for SLDC.

For the purpose of True-up for FY 2017-18, the Petitioner has considered the Non-tariff income as indicated in Note 25 of audited accounts. The Petitioner has not considered the income towards thecertain heads wherein expenses were not allowed by Hon'ble Commission in previous Tariff Orders.:

(a) Income of Rs. 1.92 Crore towards interest received on refund of income tax for FY 2015-16 has not been considered because Hon'ble Commission did not allow expenses under the head of Income Tax in True-up for FY 2015-16.
(b) Income of Rs. 6.58 Crore towards provision withdrawn onunserviceable/obsolete items and losses under investigation.

Further Petitioner has also not considered Non-tariff Income arising out of book adjustment, wherein expenses were not considered in previous Tariff Orders, in respect of the following:

(a) Income of Rs. 0.11 Crore towards Sundry Credit balances written back.
(b) Income of Rs. 99.84 Crore towards Amount against Deposit/Contributory work written back.
(c) Income of Rs. 5.86 Crore towards Security deposits/EMD forfeited.

The Petitioner has also not claimed other expenses/debits comprising interalia provision for value of obsolete store and miscellaneous losses and write off.

In view of the above, the Petitioner submitsNon-tariff Income for FY 2017-18 as shown in the following table:

Table 19: Non-tariff Income for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC	PSTCL
1	Non-tariff Income	18.94	1.41	20.36

Accordingly, the Petitioner prays to the Hon'ble Commission to approve the Non-tariff Income of Rs. 18.94 Crore for Transmission and Rs. 1.41 Crore for SLDC for FY 2017-18 for True-up.

2.15 Income Tax

The Petitioner submits that no income tax has been claimed for FY 2017-18 based on Note 32 of audited accounts for FY 2017-18.

2.16 Incentive on account of Transmission System Availability

In accordance with PSERC MYT Regulations, 2014, 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, 2014, the Normative Annual Transmission System Availability Factor (NATAF) for incentive computation has been considered as 99%. The net transmission charges inclusive of incentive on the basis of fixed charges for Transmission and computation of incentive are given as per the table below.

Table 20: Incentive on account of Transmission System Availability for FY 2017-18(Rs. Crore)

S. No.	Month	Transmission Availability (%)	Monthly Transmission Charges	Transmission charges inclusive incentive	Incentive
1	Apr-17	99.97%	106.81	107.86	1.05
2	May-17	99.94%	110.37	111.42	1.05
3	Jun-17	99.97%	106.81	107.86	1.05

4	Jul-17	99.99%	110.37	111.47	1.10
5	Aug-17	99.98%	110.37	111.47	1.10
6	Sep-17	99.99%	106.81	107.88	1.07
7	Oct-17	99.99%	110.37	111.47	1.10
8	Nov-17	99.96%	106.81	107.84	1.03
9	Dec-17	99.99%	110.37	111.47	1.10
10	Jan-18	99.94%	110.37	111.41	1.04
11	Feb-18	99.98%	99.69	100.67	0.98
12	Mar-18	99.99%	110.37	111.47	1.10
	Total		**1299.52**	**1312.30**	**12.78**

The Petitioner submits to the Hon'ble Commission to approve the incentive for transmission system availability as determined in the Table above for FY 2017-18.

2.17 Interest Due to Late Payment by PSPCL

As per Regulation 31 of PSERC MYT Regulations, 2014, PSPCL had to make payments to PSTCL against the bills raised by PSTCL within 30 days from the date of billing in FY 2017-18. However, during FY 2017-18, PSPCL has made late payments (payment after more than 30 days from date of billing) to PSTCL at several occasions.

Further, PSTCL submits that due tosuch occurrences of late payment by PSPCL and non-providing of security mechanism by PSPCL to PSTCL, PSTCL had to arrange for the funds from alternate sources, which led cost implication for PSTCL in form of Interest Costs for such funds. PSTCL has calculated the interest cost borne by it due to late payments made by PSPCL as Rs. 13.21 Crore in FY 2017-18.

PSTCL requests the Hon'ble Commission to allow the above-mentioned interest incurred by PSTCL due to late payments made by PSPCL in FY 2017-18 in the True-up of FY 2017-18.

2.18 Aggregate Revenue Requirement

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

Table 21: Net ARR for Transmission and SLDC for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Transmission Business			SLDC			Transmission Business and SLDC		
		MYT Order	APR Order	True-up	MYT Order	APR Order	True-up	MYT Order	APR Order	True-up
1	Net Employee costs	430.58	430.58	464.57	6.75	6.75	6.50	437.33	437.33	471.08
2	Net R&M expenses	57.30	57.30	22.26	1.89	1.89	0.55	59.19	59.19	22.81
3	Net A&G expenses			27.17			0.80			27.97
4	Depreciation	279.94	279.94	267.89	1.17	1.17	0.94	281.11	281.11	268.84
5	Interest charges	358.80	358.80	392.11	1.13	1.13	0.82	359.93	359.93	392.93
6	Interest on Working Capital	37.84	37.84	38.23	0.59	0.55	0.57	38.43	38.39	38.80
7	ULDC Charges	-	-	-	11.76	9.93	10.73	11.76	9.93	10.73
8	Return on Equity	101.78	101.78	106.23	-	-	-	101.78	101.78	106.23
9	Income tax			-	-	-	-	-	-	-
10	**Total Revenue Requirement**	**1,266.24**	**1,266.24**	1,318.46	**23.29**	**21.42**	**20.92**	**1,289.53**	**1,287.66**	1,339.38
11	Less: Non-tariff Income	49.25	49.25	18.94	5.41	5.41	1.41	54.66	54.66	20.36
12	**Gross Aggregate Revenue Requirement**	**1,216.99**	**1,216.99**	**1,299.52**	**17.88**	**16.01**	**19.51**	**1,234.87**	**1,233.00**	**1,319.03**
13	Incentive			12.78				-	-	12.78
14	Interest due to delayed payment from PSPCL			13.21						13.21
15	**Net ARR**	**1,216.99**	**1,216.99**	**1,325.51**	**17.88**	**16.01**	**19.51**	**1,234.87**	**1,233.00**	**1,345.02**

2.19 Revenue from Tariff

PSTCL submits that Hon'ble Commission vide MYT Order for FY 2017-18 to FY 2019-20, has approved recoverable amount of Rs. 1234.87 Crore for FY 2017-18, which includes Rs. 17.88 Crore for SLDC for FY 2017-18, after adjustment of carrying cost.

Further, during APR of FY 2017-18, the Hon'ble Commission has revised the net recoverable amount to Rs. 1233 Crore, which includes Rs. 16.01 Crore towards SLDC. PSTCL after issue of the APR Order for FY 2017-18 has billed the amount approved by Hon'ble Commission in APR of FY 2017-18 and the same has been account in audited account for FY 2017-18. Accordingly, for the purpose of true-up, PSTCL has considered the net revenue of Rs. 1233 Crore, which includes revenue of Rs. 1216.99 Crore towards Transmission Business and Rs. 16.01 Crore towards SLDC, as shown in the following Table:

Table 22: Revenue from Tariff for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC	PSTCL
1	Transmission Charges from PSPCL	1216.99	0.00	1216.99
2	SLDC Charges from PSTCL	0.00	16.01	16.01
3	**Grand Total**	**1216.99**	**16.01**	**1233.00**

2.20 Revenue Gap/(Surplus) for FY 2017-18

The Petitioner has computed the Revenue Gap/(Surplus) after True-up for FY 2017-18 as shown in the following Table:

Table 23: Revenue Gap/(Surplus) for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC	PSTCL
1	Net Aggregate Revenue Requirement	1,325.51	19.51	1,345.02
2	Revenue from Tariff	1,216.99	16.01	1,233.00
3	Revenue Gap/(Surplus)	108.52	3.50	112.02

Thus, the Petitioner prays the Hon'ble Commission to allow the revenue gap of for PSTCL for FY 2017-18 as shown in the Table above.

2.21 Recovery of Revenue Gap for Truing up for FY 2017-18

Hon'ble Commission in past Tariff Orders has considered the Revenue Gaps and its carrying cost for past years at time of determination of Tariff for the year. Hence, the Tariff includes the Standalone ARR, past Revenue Gaps and its carrying cost. However, at time of True-up for respective years, such past Revenue Gaps and its carrying cost had not been considered in expenses. So, effectively, such Revenue Gaps and its carrying cost were not recovered through tariff in past years. Further, it is noted that Hon'ble Commission vide Order dated April 19, 2018 undertook APR of FY 2017-18 and approved revenue surplus of Rs. 1.87 Crore. Hence, the net recovery of revenue gap for FY 2017-18 has been considered after considering the revenue surplus already passed on to PSPCL and carrying cost.

The PSTCL has computed the carrying cost on revenue gap for FY 2017-18 as shown in the following Table:

Table 24: Computation of carrying cost for Truing up for FY 2017-18 (Rs. Crore)

Sr. No.	Particulars	Rate of Interest (%)	FY 2017-18
1	Stand-alone Revenue Gap/(Surplus) after True-up		112.02
2	Less: Revenue Gap/(surplus) already considered at time of review of FY 2017-18		(1.87)
3	**Net Revenue Gap/(Surplus) for FY 2017-18 after True-up**		**113.89**
4	Carrying cost for FY 2017-18 (Half year)	11.22%	6.39
5	Carrying cost for FY 2018-19	11.22%	12.77
6	Carrying cost for FY 2019-20 (Half year)	11.22%	6.39
7	**Total Carrying cost**		**25.55**

For the purpose True-up for FY 2017-18, the PSTCL has computed the cumulative Revenue Gap for FY 2017-18 as under:

Table 25: Total Revenue Gap for FY 2017-18 (Rs. Crore)

Sr. No	Particulars	Petition
1	Net Revenue Gap/(surplus) for FY 2017-18 (a)	112.02
2	Carrying cost for True-up for FY 2017-18 (b)	25.55
3	**Cumulative Revenue Gap/(Surplus) for FY 2017-18 (a+b)**	137.56

The PSTCL requests the Hon'ble Commission to approve the cumulative revenue gap of as claimed by PSTCL in the Table above for True-up for FY 2017-18 in the ARR of FY 2019-20.

3 ANNUAL PERFORMANCE REVIEW FOR FY 2018-19 AND REVISED ARR FOR FY 2019-20

3.1 Background

In this Chapter, the Petitioner submits the Annual Performance Review for FY 2018-19 and revised ARR for FY 2019-20.

The Hon'ble Commission in its MYT Order dated October 23, 2017 approved the Aggregate Revenue Requirement (ARR) of Rs. 1283.86 Crore for PSTCL for FY 2018-19. Out of this, the Net ARR of Rs. 20.23 Crore was approved for SLDC for FY 2018-19. Further, in Order dated April 19, 2018, the Hon'ble Commission approved the revised ARR of Rs. 1281.99 Crore for PSTCL. Out of this, the Net ARR of Rs. 18.36 Crore was approved for SLDC

Also, the Hon'ble Commission approved Net ARR of Rs. 1337.15 Crore for PSTCL for FY 2019-20. Out of this, the Net ARR of Rs. 22.26 Crore was approved for SLDC for FY 2019-20.

The Petitioner has computed the revised estimates of ARR for FY 2018-19 based on the actual values of first half (H1 of FY 2018-19) and projection for H2 of FY 2018-19. Also, the revised ARR for FY 2019-20 has been projected based on Annual Performance Review for FY 2018-19. The Petitioner has also considered the basis of past trends, regulatory norms and activities planned for projecting the expenses for H2 of FY 2018-19 and FY 2019-20.

The deviation sought from the PSERC MYT Regulations, 2014 and its Amendments has been specifically mentioned with the rationale and relaxation has been sought in in accordance with the provisions of PSERC MYT Regulations, 2014 and its Amendments.

3.2 Description of the Transmission System

PSTCL has submitted the addition in transmission system based on the Capital Investment Plan submitted to the Hon'ble Commission and subsequent submission made thereafter. The details of the actual addition during H1 of FY 2018-19, estimated addition during H2 of the FY 2018-19 and projected addition during FY 2019-20 to the transmission system of PSTCL are tabulated below:

Table 26: Transmission System for PSTCL for FY 2018-19 and FY 2019-20

Sr. No.	Particulars	Opening (As on 1st April 2018)	Addition during FY 2018-19 (H1)	Retirement During FY 2018-19 (H1)	Addition during FY 2018-19 (H2)	Retirement during FY 2018-19 (H2)	Addition during FY 2019-20	Retirement during FY 2019-20	Closing (As on 31st March, 2020
Transmission Lines (Circuit kms)									
1	400 kV	1599.75	-	-	-	-	-	-	1599.75
2	220 kV	6781.61	352.23	-	-	-	-	-	7133.84
3	132 kV	3135.64	-	224.54	-	-	-	-	2911.10
4	**Total**	**11516.99**	**352.23**	**224.54**	**-**	**-**	**-**	**-**	**11644.69**
Substations (Nos.)									
1	400 kV	5	-	-	-	-	1	-	6
2	220 kV	96	2	-	3	-	2	-	103
3	132 kV	69	-	2	-	3	-	-	64
4	**Total**	170	2	2	3	3	3	-	173
Transmission Substation Bays (Incoming and Outgoing) (Nos.)									
1	400 kV	60	1	-	-	-	-	-	61
2	220 kV	650	14	-	15	-	6	-	685
3	132 kV	509	14	12	-	3	-	-	508
4	66 kV	1154	21	18	-	-	-	-	1157
5	33 kV	12	-	-	-	-	-	-	12
6	**Total**	**2385**	**50**	**30**	**15**	**3**	**6**	**-**	**2423**
Substation Capacity (MVA)									
1	Substation Capacity	34954.17	736.00	108.50	1212.50	90.00	2530.00	77.50	39156.67

3.3 Transmission System Capacity

In its MYT Order dated October 23, 2017, Hon'ble Commission approved Transmission capacity (net) of PSTCL system as 12500.78 MW and 12608.38 MW for FY 2018-19 and FY 2019-20 respectively as against 14660.21 MW and 15010.87 MW for FY 2018-19 and FY 2019-20 respectively.

Further, in its Tariff Order dated April 18, 2018, Hon'ble Commission revised the Transmission Capacity (Net) of PSTCL system as 11579.39 MW for FY 2018-19 as against 13879.15 MW FY 2018-19 claimed by PSTCL.

The Petitioner submits the projected transmission capacities of the State System, as provided by PSPCL, considering the State and private generating capacities and Central sector allocations for FY 2018-19 and FY 2019-20 as shown in the following Table.

Table 27: Projected Net Installed Capacity in MW for FY 2018-19 and FY 2019-20

Name of Project	FY 2018-19	FY 2019-20
Thermal - PSPCL	1610.40	1610.40
Total Hydro- PSPCL	1014.47	1014.47
Central Sector (Firm Share)	4281.04	4701.05
PSPCL Share of BBMB	1155.47	1155.47
IPPs within State of Punjab	3652.86	3652.86
PEDA and NRSE Projects	1284.27	1427.42
Grand Total	**12998.52**	**13561.67**

3.4 Transmission Losses

Hon'ble Commission, in its MYT Order dated October 23, 2017, approved the Transmission Loss of 2.40% and 2.30% for FY 2018-19 and FY 2019-20 as against 2.60% and 2.50% by PSTCL for FY 2018-19 and FY 2019-20 respectively.

Further, in its Tariff Order dated April 19, 2018, approved the Transmission Loss as 2.40% for FY 2018-19 as against Transmission Loss of 2.80% for FY 2018-19 claimed by PSTCL.

Further, PSTCL submits that it has completed Intra-State Boundary Metering cum Transmission Level Energy Scheme. The actual transmission loss for the period from April, 2018 to August, 2018 is shown in the following Table:

Table 28: Actual Transmission Loss for FY 2018-19 (H1)

Sr. No.	Month	Energy Input (MWh)	Energy sent to Distribution network (MWh)	Transmission Loss (%)
1	Apr-18	3203851	3054345	4.67%
2	May-18	4484416	4314916	3.78%
3	Jun-18	5273076	5096183	3.36%
4	Jul-18	6417829	6252985	2.57%
5	Aug-18	7622336	7419277	2.66%
6	Total	27001908	26137706	3.20%

From the above data, the average transmission loss has been computed as 3.20% for the period from April 2018 to August 2018.

Further, PSTCL submits that the transmission losses in transmission network depends upon various factors such as shift of load centres, energy injection and drawal into the network and the extent of inherent technical loss pertaining to the transmission equipment in use. PSTCL continuously strives to reduce the technical losses in the system. PSTCL is regularly monitoring the loading of transmission lines and power transformers/ICTs and makes all possible efforts to optimize the loading of this equipment to reduce the technical losses in the system.

The trajectory approved by the Hon'ble Commission is very low compared to the actual transmission loss. Further reduction in transmission losses from such low level of transmission loss would be much more difficult and require significant additional capital investment.

In view of the above, based on the actual stabilised data oftransmission losses available till now, PSTCL has requested the Hon'ble Commission to approve the Transmission Loss for FY 2018-19 and FY 2019-20, as shown in the following Table:

Table 29: Transmission Losses for FY 2018-19 and FY 2019-20

Particulars	FY 2018-19	FY 2019-20
Transmission Loss (%)	2.80%	2.70%

3.5 Transmission Availability

Regulation 55 of PSERC MYT Regulations, 2014 specifies the normative Annual Transmission Availability Factor of 98% for recovery of Annual Fixed Charges and 99% for incentive on account of higher Transmission Availability. The average transmission system availability from April to September 2018 (H1) based on month wise system availability up to September 2018 is as shown in the Table below:

Table 30: Transmission System Availability for FY 2018-19 (H1)

Sr. No.	Month	Transmission System Availability (%)
1	April-2018	99.98%
2	May-2018	99.96%
3	June-2018	99.96%
4	July-2018	99.97%
5	August-2018	99.98%
6	September-2018	99.98%
7	**Average**	**99.97%**

The Petitioner submits that it has maintained the Transmission System Availability well above the normative annual transmission availability factor up to September 2018, as mandated by PSERC Tariff Regulations, 2014.

3.6 Capital Expenditure and Capitalisation

PSTCL submits that, in accordance with Regulation 9 and 10 of PSERC MYT Regulations, 2014, it has filed Petition for approval of Capital Investment Plan (Petition No. 44 of 2016) and Business Plan (Petition No. 45 of 2016) for the Control Period from FY 2017-18 to FY 2019-20 on May 30, 2016. The Hon'ble Commission approved the Capital Expenditure in its Order dated December 13, 2017 in Petition No. 44 of 2016 at the same level as provisionally approved in its MYT Order dated October 23, 2017.

Further, for FY 2018-19, PSTCL had claimed Capital Expenditure of Rs. 250.61 Crore for Transmission Business and Rs. 10.00 Crore for SLDC. As against this, Hon'ble Commission, in its Tariff Order dated April 19, 2018, approved the Capital Expenditure for FY 2018-19 at the same level as approved in its MYT Order dated October 23, 2019.

As regards Capital Expenditure for FY 2018-19, PSTCL has provided Work-wise details of Capital Works and it associated Capital Expenditure for FY 2018-19 and FY 2019-20 in Annexure II. The Capital Works undertaken in FY 2018-19 and FY 2019-20 include the works approved in the Capital Investment Plan for the Control Period and Urgent/Unforeseen/feasibility related works chargeable to the Head Addition of Bays/System Strengthening", Augmentation/ Strengthening of Bus Bars "and "Unforeseen emergency works" that do not require specific approval of the Hon'ble Commission.

Additionally, PSTCL also seeks the approval of the Hon'ble Commission for Routine Works, Capital Works for P&M Organization, and various other works carried out by PSTCL in FY 2018-19 and FY 2019-20. The work-wise details of the same have also been provided by PSTCL in Annexure II.

Further, for Transmission System, PSTCL provisionally claims the Capitalization for FY 2018-19 and FY 2019-20 at the same level as approved in the MYT Order. PSTCL will claim the actual Capitalization for the FY 2018-19 and FY 2019-20 at the time of True-up for the respective years.

Accordingly, the Capital Expenditure and Capitalisation proposed for FY 2018-19 and FY 2019-20 is shown in the following Table:

Table 31: Capital Expenditure and Capitalisation for FY 2018-19 and FY 2019-20 (Rs. Crore)

Sr. No.	Particulars	FY 2018-19		FY 2019-20	
		MYT Order	APR	MYT Order	Projected
	Transmission				
1	Capital Expenditure	248.01	303.93	202.64	509.31
2	Capitalisation	572.91	572.91*	163.92	163.92*
	SLDC				
3	Capital Expenditure	10.00	6.79	10.00	12.21
4	Capitalisation	10.01	5.59	10.00	19.34

3.7 Funding of Capital Expenditure

Regulation 19 of PSERC MYT Regulations, 2014 specifies as under:

"19. DEBT EQUITY RATIO

… … …

19.2. New Projects – For capital expenditure projects declared under commercial operation on or after the effective date:

a. A Normative debt-equity ratio of 70:30 shall be considered for the purpose of determination of Tariff;

b. In case the actual equity employed is in excess of 30%, the amount of equity for the purpose of tariff determination shall be limited to 30%, and the balance amount shall be considered as normative loan;

c. In case, the actual equity employed is less than 30%, the actual debt-equity ratio shall be considered;

… …"

PSERC MYT Regulations, 2014 specifies the normative debt : equity ratio of 70:30. PSTCL is entitled to earn minimum profit equivalent to ROE every year. PSTCL submits that it will utilise the said profit, being internal accruals, as equity infusion for the capital expenditure during the FY 2018-19 and FY 2019-20. For the purpose of this Petition, PSTCL has considered the equity amount at 30% of the capital expenditure, in accordance to the methodology followed by Hon'ble Commission in its MYT Order dated October 23, 2017 and Tariff Order dated April 19, 2018.

The remaining funding of capital works shall be carried out by taking loans from banks and/or financial institutions. The funding of capital expenditure as proposed for FY 2018-19 and FY 2019-20 is shown in the following Table:

Table 32: Funding of Capital Expenditure for FY 2018-19 and FY 2019-20 (Rs. Crore)

Sr. No.	Particulars	FY 2018-19		FY 2019-20	
		MYT Order	APR	MYT Order	Projected
	Transmission				
1	Equity	74.40	91.18	60.79	152.79
2	Debt	173.61	212.75	141.85	356.51
3	**Total**	**248.01**	**303.93**	**202.64**	**509.31**
	SLDC				
4	Equity	3.00	2.04	3.00	3.66
5	Debt	7.00	4.75	7.00	8.55
6	**Total**	**10.00**	**6.79**	**10.00**	**12.21**

3.8 O&M Expenses

Regulation 26 of the PSERC MYT Regulations, 2014 and its subsequent amendments, specify the normative computation of O&M Expenses for the Control Period 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&Mn = (R&Mn + EMPn + A&Gn) x (1-Xn)*
> *Where,*
> *...*
> *(iii) Xn is an efficiency factor for nth year*
> *The value of Xn shall be determined by the Commission in its first MYT order for the Control Period."*

Further, Regulation 26.1 (Note 3) of PSERC MYT Regulations, 2014 specifies as under:

> *"O&M expenses shall be allowed on normative basis and shall not be trued up: Provided, if actual O&M expenses are less than 90% of the normative expenses, the Commission shall true up the O&M expenses during the Annual Performance Review for that year on actual basis."*

Also, Regulation 8.3 of PSERC MYT Regulations, 2014 specifies as under:

> *"... ... However, if the actual expenditure is less than the normative, then the allowable expenditure shall be limited to actual expenditure incurred by the applicant."*

From the above said regulations, it is noted that O&M expenses are limited to Normative expenses. In view of the above, PSTCL re-iterates its submission made in MYT Petition that as per above any gain on account of efficiency improvement in O&M expenses vis-à-vis normative O&M expenses shall be passed on to the consumers, however, the loss shall be borne by the PSTCL. There is no mechanism wherein the gain on account of efficiency improvement shall be shared with the PSTCL.

Hence, the PSTCL has not considered any Efficiency factor for O&M expenses for FY 2018-19 and FY 2019-20.

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

3.8.1 Employee Costs

In its MYT Order dated October 23, 2017, the Hon'ble Commission approved the Employee Cost of Rs. 452.67 Crore for FY 2018-19 and Rs. 472.82 Crore for FY 2019-20 as against Rs. 564.17 Crore for FY 2018-19 and Rs. 595.92 Crore for FY 2019-20 submitted by PSTCL.

Further, in its Order dated April 19, 2018, the Hon'ble Commission approved the revised Employee cost of Rs. 452.67 Crore as against Rs. 541.69 Crore submitted by PSTCL.

First Amendment of PSERC MYT Regulations, 2014 dated February 3, 2016 specifies as under:

> *"Clause 26.1 of regulation 26 shall be substituted as under:*
>
> *26.1. The O&M expenses for the nth year of the Control Period shall be approved based on the formula shown below:*
>
> *O&Mn = (R&Mn + EMPn + A&Gn) x (1-Xn)*
>
> *Where,*
>
> *...*
>
> *(ii) EMPn = (EMPn-1)*(INDEX n/INDEX n-1)*
>
> - *INDEXn - Inflation Factor to be used for indexing the Employee Cost.*
> - *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:-*
>
> *INDEXn = 0.50*CPIn + 0.50*WPIn*
>
> *'WPIn' means the average rate (on monthly basis) of Wholesale Price Index (all commodities) over the year for the nth year.*
>
> *'CPIn' means the average rate (on monthly basis) of Consumer Price Index (Industrial workers) over the year for the nth year.*
>
> *...*
>
> *Note 4: Terminal Liabilities such as death-cum-retirement gratuity, pension, commuted pension, leave encashment, LTC, medical reimbursement including*

fixed medical allowance in respect of 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 approved amount by the Commission shall be trued up in the Annual Performance Review.

Note 6: Exceptional increase in employee cost on account of pay revision etc. 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.

…"

Accordingly, the Employee Expenses for FY 2018-19 and FY 2019-20 are computed subsequently.

Terminal benefits

Regulation 26 of PSERC MYT Regulations, 2014 as amended from time to time specifies that Terminal benefits such as death-cum-retirement gratuity, commuted pension, leave encashment, LTC, medical reimbursement including fixed medical allowance in respect of pensioners shall be allowed as per actual paid by the PSTCL. In this regard, PSTCL submits that the actual pay-out on account of terminal liabilities in respect of pensioners has been considered as per Punjab Power Sector Reforms Transfer Scheme approved by the Government of Punjab.

The employees recruited by PSTCL are covered under New Pension Scheme (NPS) and are entitled to gratuity under the provisions of the Payment of Gratuity Act, 1972 and the leave salary under the Leave Rules of the Corporation. Further, the liability has been created for meeting the current terminal liabilities of gratuity and leave encashment in respect of employees recruited by PSTCL in compliance of Ind AS 19 issued by the ICAI. The amount related to NPS is being actually paid.

For the purpose of the present Petition, the PSTCL has considered the Terminal benefits for employees of erstwhile PSEB as approved by the Hon'ble

Commission in Order dated October 23, 2017. The terminal liabilities of gratuity and leave encashment for employees recruited by PSTCL is considered based on actuarial valuation. The terminal liabilities towards NPS is considered based on actual payout being made. The terminal benefits considered by PSTCL is as shown in the following Table:

Table 33: Terminal Benefits for FY 2018-19 and FY 2019-20 (Rs. Crore)

Sr. No.	Particulars	FY 2018-19			FY 2019-20	
		MYT Order	Revised ARR	APR	MYT Order	Projected
1	Terminal benefits for employees of erstwhile PSEB	291.65	291.65	291.65	307.10	307.10
2	Terminal benefit towards NPS for new employees recruited by PSTCL	-	-	4.35	-	4.57
3	Terminal benefits towards Gratuity and Leave encashment for new employees recruited by PSTCL	-	-	-*		-*
4	**Total**	**291.65**	**291.65**	**296.00**	**307.10**	**311.68**

*Further, as mentioned in the previous Section, PSTCL has not considered the Terminal Benefits of on account of the provision for gratuity and leave encashment for employees recruited by PSTCL for FY 2018-19 and FY 2019-20 in the present Petition. However, PSTCL will claim such expenses on *Pay as you go* basis, as and when such expenses will occur, as directed by the Hon'ble Commission.

Inflation factor

Since, WPI and CPI index are available till September, 2018, the escalation index has been computed as per provisions of PSERC MYT Regulations, 2014 as shown in the following Table:

Table 34: Computation of Escalation Index

Sr. No.	Particulars	FY 2017-18	FY 2018-19	Increase /(decrease)
1	CPI Index (Apr – Sep)	284	295	3.78%
2	WPI Index (Apr - Sep)	115	119	3.76%
3	CPI: WPI Index (50:50)	200	207	3.78%

Accordingly, the inflation factor for FY 2018-19 works out to as shown in the Table above.

Further, as per first amendment of PSERC MYT Regulations, 2014, the other Employee Cost in FY 2016-17 has to be taken as the base for computing normative Employee Cost for FY 2017-18. PSERC MYT Regulations 2014, as amended from time to time, do not specify whether the base expenses to be considered should be gross or net. The Hon'ble Commission may appreciate that the normative Employee expenses to be permitted should be at gross level only, as the expense capitalisation depends on capital projects undertaken and staff or employees of PSTCL dedicated to such project execution.

Further, PSTCL has projected the recruitment of 124 employees in H2 of FY 2018-19 and 800 employees in H1 of FY 2019-20. The impact on Employee Cost on account of recruitment of new employees has been projected as Rs. 0.89 Crore for FY 2018-19 and Rs. 12.30 Crore for FY 2019-20. Accordingly, PSTCL prays to the Hon'ble Commission to approve the recruitment employees along with its impact for FY 2018-19 and FY 2019-20 as projected by PSTCL.

Accordingly, PSTCL has calculated Net Other Employee costs for FY 2018-19 and FY 2019-20, as under:

Table 35: Other Employee Costs for FY 2018-19 and FY 2019-20 (Rs. Crore)

Sr. No.	Particulars	FY 2018-19		FY 2019-20	
		Transmission	SLDC	Transmission	SLDC
1	Base Year Gross Other Employee Cost	222.45	6.61	230.85	6.86
2	Escalation Factor (CPI:WPI :: 50:50)	3.78%	3.78%	3.78%	3.78%
3	**Gross Other Employee Cost**	**230.85**	**6.86**	**239.56**	**7.12**
4	Less Employee Cost Capitalised	39.08	0.00	39.08	0.00
5	**Net Other Employee Costs**	**191.77**	**6.86**	**200.48**	**7.12**

Accordingly, PSTCL has computed the revised normative Employee Costs for Transmission Business and SLDC for FY 2018-19 and FY 2019-20 as per PSERC MYT Regulations, 2014 as shown in the Table below:

Table 36: Normative Employee Costs for FY 2018-19 and FY 2019-20 (Rs. Crore)

Sr. No.	Particulars	FY 2018-19		FY 2019-20	
		MYT Order	APR	MYT Order	Revised Projection
	Transmission				
1	Terminal Benefits	291.65	296.00	307.10	311.68
2	Other Employee Costs	154.06	191.77	158.57	200.48
3	Impact of new Recruitments		0.89		12.30
4	**Total**	**445.71**	**488.66**	**465.67**	**524.46**
	SLDC				
5	Terminal Benefits	-	-	-	-
6	Other Employee Cost	6.95	6.86	7.15	7.12
7	Impact of New Recruitments		0.00		0.00
8	**Total**	**6.95**	**6.86**	**7.15**	**7.12**
9	**Grand Total**	**452.66**	**495.53**	**472.82**	**531.58**

PSTCL submits that it is entitled for Normative Employee costs as per PSERC MYT Regulations, 2014. Therefore, PSTCL prays the Hon'ble Commission to approve the Normative Employee Costs as projected by PSTCL in the Table above for FY 2018-19 and FY 2019-20.

3.8.2 R&M and A&G Expenses

The Hon'ble Commission, in its MYT Order dated October 23, 2017, approved R&M and A&G Expenses of Rs. 63.59 Crore for FY 2018-19 and Rs. 67.71 Crore for FY 2019-20 against Rs. 64.27 Crore for FY 2018-19 and Rs. 66.86 Crore for FY 2019-20 submitted by PSTCL.

Further, in its Tariff Order dated April 19, 2018, the Hon'ble Commission revised R&M and A&G Expenses as Rs. 63.59 Crore for FY 2018-19 against Rs. 66.14 Crore claimed by PSTCL.

Hon'ble Commission has approved the R&M and A&G Expenses in accordance with Regulation 26 of PSERC MYT regulations, 2014, as amended from time to time. On the basis of the revised submission of capital expenditure and capitalisation for FY 2018-19 and FY 2019-20, the revised R&M and A&G Expenses has been computed for FY 2018-19 and FY 2019-20.

WPI index for FY 2018-19 are available till September, 2018. The K-factor has been computed for FY 2018-19 and FY 2019-20 as shown in the following Table:

Table 37: Computation of K for FY 2018-19 and FY 2019-20 (Rs. Crore)

Particulars	FY 2017-18	FY 2018-19	FY 2019-20
Transmission			
K-factor	0.61%	0.63%	0.65%
WPI Index	2.92%	3.76%	3.76%
Escalated K-factor	0.63%	0.65%	0.68%
SLDC			
K-factor	7.31%	7.52%	7.81%
WPI Index	2.92%	3.76%	3.76%
Escalated K-factor	7.52%	7.81%	8.10%

Accordingly, PSTCL has submitted combined R&M and A&G expenses for Transmission and SLDC Business as under:

Table 38: R&M and A&G Expenses for FY 2018-19 and FY 2019-20 (Rs. Crore)

Sr. No.	Particulars	FY 2018-19		FY 2019-20	
		MYT Order	APR	MYT Order	Projected
	Transmission Business				
1	Opening GFA	9116.65	9444.25	9689.56	10017.16
2	Closing GFA	9689.56	10017.16	9853.48	10181.08
3	Average GFA	9403.11	9730.70	9771.52	10099.12
4	Escalated K-factor	0.63%	0.65%	0.64%	0.68%
5	**R&M and A&G Expenses**	**59.24**	**63.39**	**62.54**	**68.27**
6	Add: Audit Fee	1.00	1.00	1.00	1.00
7	Add: Licence Fee and ARR Fee	0.50	0.50	0.50	0.50
8	**Grand Total**	**60.74**	**64.89**	**64.04**	**69.77**
	SLDC				
1	Opening GFA	32.68	18.57	42.69	24.16
2	Closing GFA	42.69	24.16	52.69	43.50
3	Average GFA	37.69	21.36	47.69	33.83
4	Escalated K-factor	7.57%	7.81%	7.70%	8.10%
5	**R&M and A&G Expenses**	**2.85**	**1.67**	**3.67**	**2.74**

3.9 Depreciation

In its MYT Order dated October 23, 2017, Hon'ble Commission approved the Depreciation of Rs. 300.29 Crore for FY 2018-19 and Rs. 317.74 Crore for FY 2019-20 as against Rs. 355.10 Crore for FY 2018-19 and Rs. 371.36 Crore for FY 2019-20 claimed by PSTCL.

Further in its Order dated April 19, 2018, Hon'ble Commission approved the Depreciation of Rs. 300.29 Core for FY 2018-19 (at the same level as approved in MYT Order) as against Rs. 351.20 Crore claimed by PSTCL.

Regulation 21 of the PSERC MYT Regulations, 2014, as amended from time to time, specifies as under:

"21. DEPRECIATION

For the purpose of tariff, depreciation shall be computed in the following manner:

21.1. The value base for the purpose of depreciation shall be the capital cost of the assets admitted by the Commission:

Provided further that Govt. grants and consumer contribution shall also be recognized as defined under Indian Accounting Standard 20 (IND AS 20) notified by the Ministry of Corporate Affairs

Provided that land other than the land held under lease and the land for reservoir in case of hydro generating station shall not be a depreciable asset and its cost shall be excluded from the capital cost while computing depreciable value of the asset;

Provided further that depreciation shall be calculated after deduction of consumer contributions, capital subsidies/ Government grants.

Provided further that Govt. grants and consumer contribution shall also be recognized as defined under Indian Accounting Standard 20 (IND AS 20) notified by the Ministry of Corporate Affairs.

21.2. The cost of the asset shall include additional capitalization.

21.3. The cost shall include foreign currency funding converted to equivalent rupees at the exchange rate prevalent on the date when foreign currency shall actually be availed but not later than the date of commercial operation.

21.4. Depreciation for generation and transmission assets shall be calculated annually as per straight line method over the useful life of the asset at the rate of depreciation specified by the Central Electricity Regulatory Commission from time to time.

21.5. Depreciation for distribution assets and other assets not specified by CERC shall be at the rates notified by the Commission:

Provided that the total depreciation during the life of the asset shall not exceed 90% of the original cost;

Provided that the remaining depreciable value as on 31st March of the year closing after a period of 12 years from date of commercial operation/ put in use of the asset shall be spread over the balance useful life of the assets;

Provided further that in case of hydro generating stations, the salvage value shall be as provided in the agreement signed by the developers with the State Government for creation of the site.

21.6. Depreciation shall be chargeable from the first year of commercial operation/asset is put in use. In case of commercial operation of the asset/put in use of asset for part of the year, depreciation shall be charged on pro rata basis. "

For computation of Opening GFA as on April 1, 2018, PSTCL has considered the closing GFA (Net of land and land rights) as on March 31, 2018 as per audited accounts for FY 2017-18, net of capitalization for assets funded through Contributory Works of Rs. 45.55 Crore in FY 2017-18. PSTCL has considered addition of GFA equivalent to capitalisation amount submitted in the present Petition.

PSTCL has computed the weighted average depreciation rate as 4.31% for Transmission Business and 7.32% for SLDC after taking into account scheduled depreciation rates as specified in PSERC MYT Regulations and Gross Fixed Assets as per the audited accounts for FY 2017-18.

Further, PSTCL reiterates that it has not considered the Depreciation on the assets funded through Contributory Works, as explained in the previous Section. Accordingly, PSTCL submits the depreciation for FY 2018-19 and FY 2019-20 as under:

Table 39: Depreciation for FY 2018-19 and FY 2019-20 (Rs. Crore)

Sr. No.	Particulars	FY 2018-19		FY 2019-20	
		MYT Order	APR	MYT Order	Projected
	Transmission				
1	Opening GFA (Net of Land and Land Rights)	6,189.77	6,477.62	6,762.68	7,050.53
2	Assets additions during the Year	572.91	572.91	163.92	163.92
3	Closing GFA	6,762.68	7,050.53	6,926.60	7,214.45
4	Depreciation rate (Wt. Avg.)	4.61%	4.31%	4.61%	4.31%
5	**Depreciation**	**298.55**	**291.37**	**315.54**	**307.24**

Sr. No.	Particulars	FY 2018-19		FY 2019-20	
		MYT Order	APR	MYT Order	Projected
	SLDC				
6	Opening GFA (Net of Land and Land Rights)	32.68	12.96	42.69	18.55
7	Assets additions during the Year	10.01	5.59	10.00	19.34
8	Closing GFA	42.69	18.55	52.69	37.89
9	Depreciation rate (Wt. Avg.)	4.61%	7.32%	4.61%	7.32%
10	**Depreciation**	**1.74**	**1.15**	**2.20**	**2.07**

3.10 Interest and Finance Charges on Loan Capital

In its MYT Order dated October 23, 2017, Hon'ble Commission approved the Interest and Finance Charges of Rs. 354.63 Crore for FY 2018-19 and Rs. 353.51 Crore for FY 2019-20 as against Rs. 408.24 Crore for FY 2018-19 and Rs. 405.35 Crore for FY 2019-20 claimed by PSTCL.

Further, in its Tariff Order dated April 19, 2018, Hon'ble Commission approved the Interest and Finance Charges of Rs. 354.62 Crore for FY 2018-19 as against Rs. 386.99 Crore claimed by PSTCL.

As explained in previous Chapter, the Hon'ble Commission, in its earlier Tariff Orders for PSTCL has disallowed the funding of Capital Expenditure through loans which are not long term in nature., even though such loans were used for funding of Capital Expenditure. Further, Hon'ble Commission has also not considered any equity infusion for funding such Capital Expenditure. Therefore, this approach adopted by Hon'ble Commission is not prudent as funding of Capital Expenditure has to be allowed either by loan or equity.

Hence, for the purpose of the present Petition, PSTCL has considered the Opening loan as on April 1, 2018 same as the Closing Loans of FY 2017-18 as submitted in previous Section.

The outstanding existing loans include loans from REC, LIC, Commercial banks, Loan from PSPCL and GPF Liability. The repayment of these existing loans and interest expenses has been considered as per their repayment schedule. The addition of loan has been considered equivalent to debt amount as submitted in the present Petition. PSTCL has proposed new loans for the proposed investments from Banks/Financial Institution at actual weighted average rate of interest. Three years moratorium period has been considered for the new loan taken for funding of capital expenditure for FY 2018-19 and FY 2019-20.

Accordingly, interest on loan capital for FY 2018-19 and FY 2019-20 for PSTCL has been submitted as under:

Table 40: Interest on Loan capital for FY 2018-19 and FY 2019-20 (Rs. Crore)

Sr. No.	Particulars	FY 2018-19		FY 2019-20	
		MYT Order	APR	MYT Order	Projected
	Transmission				
1	Opening Balance	3665.90	4007.61	3520.42	3902.91
2	Loan addition during year	173.61	212.75	141.85	356.51
3	Loan Repayment during year	319.09	317.45	308.95	299.95
4	Closing Balance	3520.42	3902.91	3353.32	3959.48
5	Average Loan	3593.16	3955.26	3436.87	3931.19
6	Rate of Interest	11.24%	10.16%	11.36%	10.08%
7	**Net Interest**	**403.87**	**401.74**	**390.43**	**396.24**
8	Less: Interest Capitalised	52.14	31.94	40.30	35.55
9	Miscellaneous Interest and Finance Charges	1.21	0.38	1.22	0.38
10	Guarantee Charges	-	5.00		5.00
11	**Interest & Finance Charges**	**352.94**	**375.18**	**351.35**	**366.07**
	SLDC				
12	Opening Balance	11.85	7.62	16.14	12.02
13	Loan addition during year	7.00	4.75	7.00	8.55
14	Loan Repayment during year	2.71	0.35	3.31	2.71
15	Closing Balance	16.14	12.02	19.83	17.86
16	Average Loan	14.00	9.82	17.99	14.94
17	Rate of Interest	12.04%	8.31%	12.03%	10.25%
18	**Interest & Finance Charges**	**1.68**	**0.82**	**2.16**	**1.53**

3.11 Return on Equity

The Hon'ble Commission, in its MYT Order dated October 23, 2017, approved the Return on Equity of Rs. 115.64 Crore for FY 2018-19 and Rs. 126.58 Crore for FY 2019-20 against the Return on Equity of Rs. 114.34 Crore for FY 2018-19 and Rs. 123.83 Crore for FY 2019-20 submitted by PSTCL.

Further, in its Tariff Order dated April 19, 2018, the Hon'ble Commission revised the Return of Equity as Rs. 115.64 Crore for FY 2018-19 (at the same level as approved in MYT Order), as against Rs. 114.53 Crore submitted by PSTCL.

Regulation 20 of PSERC MYT Regulations, 2014 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."*

For computation of Return on Equity, the PSTCL has considered the closing equity for FY 2017-18 computed by PSTCL in previous Sectionas opening equity for FY 2018-19. PSTCL has considered the addition of equity equivalent to 30% of capital expenditure, in accordance with the methodology followed by Hon'ble Commission in its MYT Order dated October 23, 2017 and Tariff Order dated April 19, 2018. PSTCL has computed Return on Equity for FY 2018-19 and FY 2019-20 in accordance with the above said Regulations as given in the following Table:

Table 41: Return on Equity for FY 2018-19 and FY 2019-20 (Rs. Crore)

Sr. No.	Particulars	FY 2018-19		FY 2019-20	
		MYT Order	APR	MYT Order	Projected
1	Opening Balance-Equity Capital	707.37	712.11	784.77	805.33
2	Equity addition during the year	77.40	93.22	63.79	156.45
3	Closing balance-Equity Capital	784.77	805.33	848.56	961.79
4	ROE rate (%)	15.50%	15.50%	15.50%	15.50%
5	**Return on Equity**	**115.64**	**117.60**	**126.58**	**136.95**

For the purpose of this Petition, PSTCL is claiming Normative RoE for FY 2018-19 and FY 2019-20 as shown in the Table above. However, at time of True up of FY 2018-19 and FY 2019-20, PSTCL will claim the RoE for respective years in accordance with the methodology adopted by PSTCL in previous Chapter of this Petition.

Therefore, in view of above, PSTCL prays Hon'ble Commission to allow the RoE for FY 2018-19 and FY 2019-20 as shown in the Table above.

3.12 Interest on Working Capital

The Hon'ble Commission, in its MYT Order dated October 23, 2017, approved the Interest on Working Capital (IoWC) of Rs. 39.95 Crore for FY 2018-19 and Rs. 41.69 Crore for FY 2019-20 for PSTCL as against IoWC of Rs. 49.00 Crore for FY 2018-19 and Rs. 51.18 Crore for FY 2019-20 claimed by PSTCL.

Further, in its Tariff Order dated April 19, 2018, Hon'ble Commission revised the IoWC for FY 2018-19 as Rs. 39.91 Crore for PSTCL as against IoWC of Rs. 43.69 Crore for FY 2018-19 claimed by PSTCL.

Regulation 54 of the PSERC MYT Regulations, 2014 specifies as under:

"54. INTEREST ON WORKING CAPITAL

54.1 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. Receivables equivalent to two (2) months of fixed cost calculated on normative target availability.

54.2 Rate of Interest

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

PSTCL has computed the working capital requirement in accordance with the above Regulations for its Transmission Business and SLDC. The Regulation 25.1 of PSERC MYT Regulations, 2014 specifies that the rate of interest shall be equal to the weighted average rate of interest paid/ payable on loans by the licensee/SLDC or the State Bank of India Advance Rate as on April 1 of the relevant year, whichever is less. PSTCL has considered the actual weighted average rate of Interest based on actual working capital loans.

The computation of Interest on Working Capital for FY 2018-19 and FY 2019-20 is shown in the following Table:

Table 42: Interest on Working Capital Expenses for FY 2018-19 and FY 2019-20 (Rs. Crore)

Sr. No.	Particulars	FY 2018-19			FY 2019-20	
		MYT Order	Approved in Review	APR	MYT Order	Projected
	Transmission					
1	Receivables equivalent to two months of fixed cost.	210.61	210.61	225.70	219.15	237.07
2	Maintenance spares @ 15% of O&M expenses	75.97	75.97	83.03	79.46	89.13
3	Operation and Maintenance expenses for one month.	42.20	42.20	46.13	44.14	49.52
4	**Total Working Capital Requirement**	**328.78**	**328.78**	**354.87**	**342.75**	**375.72**
5	Rate of Interest	11.95%	11.95%	9.99%	11.95%	9.82%
6	**Interest on Working Capital**	**39.29**	**39.29**	**35.46**	**40.96**	**36.88**
	SLDC					
1	Receivables equivalent to two months of fixed cost.	3.37	3.06	3.39	3.71	3.89
2	Maintenance spares @ 15% of O&M expenses	1.47	1.47	1.28	1.62	1.48
3	Operation and Maintenance expenses for one month.	0.82	0.82	0.71	0.90	0.82
4	**Total Working Capital Requirement**	**5.66**	**5.33***	**5.38**	**6.24**	**6.19**
5	Rate of Interest	11.72%	11.72%	9.99%	11.72%	9.82%
6	**Interest on Working Capital**	**0.66**	**0.62**	**0.54**	**0.73**	**0.61**

3.13 ULDC Charges

In its MYT Order dated October 23, 2017, Hon'ble Commission approved the ULDC charges of Rs. 11.76 Crore for both FY 2018-19 and FY 2019-20 as against ULDC charges of Rs. 12.67 Crore for FY 2018-19 and Rs. 12.99 Crore for FY 2019-20 claimed by PSTCL.

Further, in its Tariff Order dated April 19, 2018, Hon'ble Commission revised the ULDC Charges for FY 2018-19 as Rs. 9.93 Crore at the same level as claimed by PSTCL.

For the purpose of the present Petition, PSTCL has claimed the ULDC Charges same as actual ULDC charges for FY 2017-18 based on the audited accounts. The ULDC Charges submitted by PSTCL for FY 2018-19 and FY 2019-20 are shown in the following Table:

Table 43: ULDC Charges for FY 2018-19 and FY 2019-20 (Rs. Crore)

Sr. No.	Particulars	FY 2018-19			FY 2019-20	
		MYT Order	Approved in Review	APR	MYT Order	Projected
1	ULDC Charges-SLDC own share	9.03	5.68	5.70	9.03	5.70
2	ULDC Charges-BBMB share	1.82	1.58	2.58	1.82	2.58
3	ULDC Charges-Central Sector share	-	0.33	-	-	-
4	NRLDC fees and charges	0.91	2.33	2.46	0.91	2.46
5	**Grand Total**	**11.76**	**9.93**	**10.73**	**11.76**	**10.73**

3.14 Non-Tariff Income

In its MYT Order dated October 23, 2017, Hon'ble Commission approved Non-Tariff Income of Rs. 49.25 Crore each for Transmission Business and Rs. 5.41 Crore each for SLDC Business for FY 2018-19 and FY 2019-20 as against Non-tariff Income of Rs. 10 crore each for Transmission Business and Rs. 1 crore each for SLDC Business for FY 2018-19 and FY 2019-20 claimed by PSTCL.

Further, in its Tariff Order dated April 19. 2018, Hon'ble Commission revised the Non-Tariff Income for FY 2018-19 as Rs. 54.66 Crore as against Non-Tariff Income of Rs. 26.18 Crore for FY 2018-19 claimed by PSTCL.

For the purpose of the present Petition, PSTCL has claimed the Non-tariff Income at the same level as actual Non-tariff Income for FY 2017-18 based on the audited accounts, as claimed in previous Section.

Accordingly, PSTCL submitted the Non-tariff Income of Rs. 18.94 Crore for Transmission Business and Rs. 1.41 Crore for SLDC for FY 2018-19 and FY 2019-20.

3.15 Income Tax

PSTCL in its MYT Petition submitted that the taxes on income should not be limited to tax on RoE allowed and should be allowed as actuals, as PSTCL is not recovering any amount that has not been approved for recovery by the Hon'ble Commission.

As regards the Income Tax, Hon'ble Commission in MYT Order dated October 23, 2017 stated that

> ***"The Commission consider it appropriate to allow the tax on the basis of Audited Annual Accounts of the utility as and when the same are submitted by PSTCL. As such, no amount on this account is allowed at this stage for MYT Control Period FY 2017-18 to FY 2019-20 as it is to be allowed on actual payment basis at the time of True up for the respective years."***

Accordingly, PSTCL submits that the income tax for FY 2018-19 and FY 2019-20 shall be submitted at time of True-up for respective years.

3.16 Summary of ARR

The summary of ARR for Transmission Business and SLDC for FY 2018-19 and FY 2019-20 shown in Tables below:

Table 44: ARR for PSTCL FY 2018-19 (Rs. Crore)

Sr. No.	Particulars	Transmission Business			SLDC			Transmission Business and SLDC		
		MYT Order	Approved in review	APR	MYT Order	Approved in review	APR	MYT Order	Approved in review	APR
1	Net Employee costs	445.72	445.72	488.66	6.95	6.95	6.86	452.67	452.67	495.53
2	Net R&M and A&G expenses	60.74	60.74	64.89	2.85	2.85	1.67	63.59	63.59	66.56
3	Depreciation	298.55	298.55	291.37	1.74	1.74	1.15	300.29	300.29	292.52
4	Interest charges	352.94	352.94	375.18	1.68	1.68	0.82	354.63	354.63	376.00
5	Interest on Working Capital	39.29	39.29	35.46	0.66	0.62	0.54	39.95	39.91	35.99
6	ULDC Charges	-	-	-	11.76	9.93	10.73	11.76	9.93	10.73
7	Return on Equity	115.64	115.64	117.60	-	-	-	115.64	115.64	117.60
8	Income tax	-	-	-	-			-	-	-
9	**Total Revenue Requirement**	**1,312.89**	**1,312.89**	**1,373.16**	**25.64**	**23.77**	**21.77**	**1,338.53**	**1,336.66**	**1,394.94**
10	Less: Non-Tariff Income	49.25	49.25	18.94	5.41	5.41	1.41	54.66	54.66	20.36
11	**Aggregate Revenue Requirement**	**1,263.64**	**1,263.64**	**1,354.22**	**20.23**	**18.36**	**20.36**	**1,283.87**	**1,282.00**	**1,374.58**

Table 45: ARR for PSTCL FY 2019-20 (Rs. Crore)

Sr. No.	Particulars	Transmission Business		SLDC		Transmission Business and SLDC	
		MYT Order	Projected	MYT Order	Projected	MYT Order	Project
1	Net Employee costs	465.67	524.46	7.15	7.12	472.82	531.58
2	Net R&M and A&G expenses	64.04	69.77	3.67	2.74	67.71	72.51
3	Depreciation	315.54	307.24	2.20	2.07	317.74	309.31
4	Interest charges	351.35	366.07	2.16	1.53	353.51	367.60
5	Interest on Working Capital	40.96	36.88	0.73	0.61	41.69	37.49
6	ULDC Charges	-	-	11.76	10.73	11.76	10.73
7	Return on Equity	126.58	136.95	-		126.58	136.95
8	Income tax	-		-		-	-
9	**Total Revenue Requirement**	**1,364.14**	**1,441.36**	**27.67**	**24.80**	**1,391.81**	**1,466.17**
10	Less: Non-Tariff Income	49.25	18.94	5.41	1.41	54.66	20.36
11	**Aggregate Revenue Requirement**	**1,314.89**	**1,422.42**	**22.26**	**23.39**	**1,337.15**	**1,445.81**

4 PROPOSED TARIFF FOR FY 2019-20

4.1 Revenue Gap for FY 2018-19

Hon'ble Commission in Tariff Order dated April 19, 2018 has approved the revenue of Rs. 1263.63 Crore towards Transmission Charges and Rs. 18.36 Crore towards SLDC Charges. Accordingly, the revenue gap for FY 2018-19 on account of Annual Performance Review has been computed as shown in the following Table:

Table 46: Revenue Gap for FY 2018-19 (Rs. Crore)

Sr. No.	Particulars	Transmission	SLDC	PSTCL
1	Net ARR	1,354.22	20.36	1,374.58
2	Revenue from Tariff	1,263.64	18.36	1,282.00
3	**Revenue Gap/(surplus)**	90.59	2.00	92.58

The carrying cost for Revenue Gap/(surplus) for FY 2018-19 has been computed as shown in the following Table:

Table 47: Computation of Carrying cost for FY 2018-19 (Rs. Crore)

Sr. No.	Particulars	Rate of Interest	PSTCL
1	Revenue gap for FY 2018-19		92.58
2	Carrying cost for FY 2018-19 (half year)	11.22%	5.19
3	Carrying cost for FY 2019-20 (half year)	11.22%	5.19
4	**Total Carrying cost for recovery**		10.38

The total Revenue Gap along with carrying cost for FY 2018-19 works out to Rs. 102.97Crore. The Petitioner prays to the Hon'ble Commission to approve this Revenue Gap, arising out of Annual Performance Review of FY 2018-19.

PSTCL proposes to recover Revenue Gaps along with their Carrying Costs for FY 2017-18 and FY 2018-19 in FY 2019-20 from the Transmission Charges.

4.2 Proposed Tariff for FY 2019-20

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 2019-20.

Accordingly, PSTCL has proposed the Transmission Charges for the Transmission Business as shown in the following Table:

Table 48: Proposed Transmission Charges for FY 2019-20

Sr. No.	Particulars	FY 2019-20
1	Net ARR for FY 2019-20	1,422.42
2	Revenue Gap for FY 2018-19 along with carrying cost	137.56
3	Revenue Gap for FY 2017-18 along with carrying cost	102.97
4	**Annual Fixed Charges for Transmission Business**	**1,662.95**
5	Transmission System Capacity (Net) (MW)	13,561.67
6	Transmission Charges per month (Rs. Crore per month)	138.58
7	Transmission Charges (Rs./MW/month)	102,184
8	Energy at Transmission Boundary for sale in State (MU)	60,667.92
9	Transmission Charges (paise/kWh)	27

Accordingly, PSTCL has proposed the SLDC Charges for FY 2019-20 as shown in the following Table:

Table 49: Proposed SLDC Charges for FY 2019-20

Sr. No.	Particulars	FY 2019-20
1	SLDC Charges (Rs. Crore)	23.39
2	SLDC Charges per month (Rs. Crore) for PSPCL	1.95
3	SLDC Charges (Rs./MW/month) for Long Term/Medium term Open Access Customers	1,437.21

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

5 PRAYERS

The Petitioner respectfully prays to the Hon'ble Commission:

a) To admit the Petition seeking approval of True-up for FY 2017-18, Annual Performance Review for FY 2018-19, revised ARR for FY 2019-20 and determination of Tariff for FY 2019-20 in accordance with PSERC MYT Regulations, 2014, as amended from time to time;
b) To approve Revenue Gap arising on account of True-up of FY 2017-18 and Annual Performance Review for FY 2018-19 along their carrying cost and their recovery through Tariff in FY 2019-20, as worked out in this Petition;
c) To approve the revised capital expenditure for FY 2018-19 and FY 2019-20 submitted in the Petition;
d) To approve the ARR forecast and Tariff for FY 2019-20 for Transmission Business and SLDC;
e) To invoke its power under Regulation 66 and 67 in order to allow the deviations from PSERC MYT Regulations, 2014, wherever sought in this Petition;
f) To allow additions/alterations/modifications/changes to the Petition at a future date;
g) To allow any other relief, order or direction, which the Hon'ble Commission deems fit to be issued;
h) To condone any error/ omission and to give opportunity to rectify the same;

BY THE APPLICANT THROUGH

Chief Accounts Officer/Finance and Audit,
Punjab State Transmission Corporation Limited, Patiala.

6 DIRECTIVES

Sr. No.	Issues	PSERC's Comments/ Directives for FY 2018-19	PSTCL's Reply
4.1	**Boundary metering, Energy Audit and Reduction in Transmission Losses**	The Commission notes the reasons explained for high losses during low load conditions during winter period. The audit/analysis of voltage wise transmission losses needs to be calculated with proper installation of ABT meters on boundaries of different voltage levels. The roadmap to reduce the transmission losses below 2.5% along with the roadmap to complete installation of requisite ABT meters on the boundaries of different voltage levels may be submitted to the Commission within 2 months	The Transmission Losses in PSTCL in particular are on higher side as the demand curve is not uniform, having a peak of 12000MW and crest of 3000MW, which has necessitated the Transmission system to have to meet the Maximum Demand requirement. The expectancy with respect to quality of Power in Punjab is always very high, which demands that the entire system be designed at (N-1) criteria. Further as the State Power, especially Thermal Power in the State is costly, as such in order to run the generating plant on merit, various available generating plants are kept shut down to reduce the power cost. However, such decision require a further elaboration in Transmission system so as to meet the peak even when a particular generating plant is kept shut even when the requirement is to compulsorily run it in order to minimize the losses and also the requirement of Transmission system. At present, PSTCL has following Transmission system as on 31.3.18:- MVA Ckt.KM Total 34954.17 11,516.99 No Load Losses 400KV 90KW per 500MVA 220KV 67KW per 160MVA 132KV 13.6KW per 20MVA

<table>
<tr><td></td><td></td><td></td><td>Based on the above data and average load factor & Power factor witnessed during 2017-18, the calculation on imperical formulae and thumb rules has been done, which are only for approximate calculation, to have an idea of Theoretical Transmission losses of PSTCL System, and are enclosed herewith. The corona losses have been taken based on the study annexed herewith, wherein the losses have been taken as an average of 300KW per phase per 100KM (it is admitted fact that this is only an approximation based on the study, as the detailed calculation are very elaborate and need technical expertise and softwares).
Based on the annexure, it can be safely concluded that the Theoretical losses worked out to be 2.776% for the year 2017-18 and based on this, the practical losses can be safely concluded in the range of 3%."</td></tr>
<tr><td>4.2</td><td>a) Man power:</td><td>Detailed explanation for increase in employee cost despite the reduction in actual employee strength should be submitted to the Commission. A year wise chart of actual employee strength plus additions and minus attrition by way of retirement and employee cost & terminal costs from 2010 onwards, may be supplied to the Commission within a month.</td><td>The brief position of manpower deployed in PSTCL in FY 2011-12 (base year taken by Hon'ble Commission for approval of employee cost for FY 2015-16 and 2016-17) vis-a-vis FY 2016-17 along with details of transmission capacity, actual costs etc. is given in table below.

<table>
<tr><th>Particulars</th><th>FY 2011-12</th><th>FY 2016-17</th><th>Inc/Dec</th></tr>
<tr><td><u>Sub-stations</u></td><td></td><td></td><td></td></tr>
<tr><td>400 KV</td><td>-</td><td>5</td><td>5</td></tr>
<tr><td>220 KV</td><td>62</td><td>96</td><td>34</td></tr>
<tr><td>132 KV</td><td>77</td><td>69</td><td>(-) 8</td></tr>
<tr><td><u>Transmission Lines (Ckt Km)</u></td><td></td><td></td><td></td></tr>
<tr><td>400 KV</td><td>-</td><td>1600</td><td>1600</td></tr>
<tr><td>220 KV</td><td>5035</td><td>6741</td><td>1705</td></tr>
<tr><td>132 KV</td><td>3111</td><td>3125</td><td>14</td></tr>
<tr><td><u>MVA Capacity</u></td><td>18886</td><td>33566</td><td>14680</td></tr>
</table>
</td></tr>
</table>

			Gross Fixed Assets (Rs. Crore)	5270.67	8902.77	3632.10
			Other Employee Cost (Actual)	97.92	179.04	81.12
			Capitalization	51.44	43.43	(-) 8.01
			Gross Other Employee Cost	149.36	222.47	73.11
			No. Of Employees	3492	4557	1065
			Per Employee Cost (Rs. Lakhs)	4.28	4.88	0.60

It may be noted that the Hon'ble Commission, while computing the normative expenses for FY 2016-17, has considered the other employee cost of Rs. 97.92 Crore allowed for FY 2011-12 as base expenses. The Hon'ble Commission may however appreciate that the normative Employee expenses to be permitted should be at gross level only, as the expense capitalisation depends on capital projects undertaken and staff or employees of PSTCL dedicated to such project execution.

For example, in case the normative Employee expenses are allowed on a net of capitalization taking a base year but actual capitalisation of that respective year is different from that of base year, then the normative allowance would be lower/higher because these may not be exactly same as of the current year. This can be seen in the capitalization of employee cost for FY 2011-12 and 2016-17. Employee Cost capitalized for FY 2011-12 is Rs. 51.44 crore whereas the same is Rs. 43.43 crore in FY 2016-17 only. Expense capitalization, therefore, is a factor which varies unpredictably and normative Employee expense should be provided at gross level only.

Considering the Other Employee Cost of Rs. 149.36 Crore (including SLDC) for FY

2011-12 as base expenses after adding capitalised employee costs of Rs. 51.44 Crore, the allowable employee cost for FY 2016-17, after deducting the actual capitalized cost of Rs. 43.43 crore, comes to Rs. 145.69 crore, and there is a difference of Rs. 22.54 crore with the approved values. The same is given 2 below:-

(Rs. Crore)

Gross Other Employee Cost for FY 2011-12	149.36
WPI CPI combined Increase applicable for FY 2016-17	26.61%
Allowable value for FY 2016-17	189.12
Less: Actual Capitalization	43.43
Net Allowable	145.69
Approved value	123.15
Difference due to netting	22.54

Further, it is submitted that PSTCL is also entitled for the additional employee cost pertaining to new installations/network for the asset added during the year in accordance with Regulation 28 (3) (c) which allows additional employee cost in case of new installations. In the absence of any specific principles and methodologies in the Regulation, the additional employee costs on account of addition of new installations has been computed with respect to FY 2011-12 in accordance with the methodology adopted in Tariff Order for FY 2016-17. It is submitted that the transmission system consisting of substations and lines have increased manifold with respect to FY 2011-12, as given in Table 1 above, and needs extra man power to operate & maintain. The table below gives the working of the additional gross employee costs on account of addition of new installation/network: -

Gross Fixed Asset for FY 2011-12	5270.67
Gross Fixed Asset for FY 2016-17	8902.77
Addition in GFA	3632.10
%age of Gross Other Employee Cost to GFA in FY 2011-12	2.83
Additional Employee Cost for Additional GFA **(A)**	95.80
Other Employee Cost calculated in Table 2 above (net of capitalization) **(B)**	145.69
Total Other Employee Cost allowable (net of capitalization) **(C) = (A+B)**	241.49
Actual Other Employee Cost (net) as given in Table 1 above **(D)**	179.04
Approved Value **(E)**	123.15
Total Difference **(F) = (D-E)**	55.89

Further, the details regarding actual employee cost of the utility and impact of pay revision over the years is given as under: -

(Rs. Crore)

Particulars	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18
Terminal Benefits	129.96	142.96	167.14	187.22	205.59	235.14	258.88	280.55

Other Employee Cost	102.36	122.42	141.16	168.81	167.72	172.58	179.04	191.62
Pay revision arrears in other employee cost above	22.25	21.89	15.95	15.42	1.59	1.16	0.15	0.04

Given below is the manpower position of Haryana Vidyut Prasaran Nigam Ltd. (HVPN), the transmission utility for Haryana:-

1	Sanctioned Posts	10480
2	Posted- Regular	3903
3	Posted- Through Outsourcing against regular post(Category C & D)	3052
4	Total	6955
5	Vacant	3525
6	Revenue for FY 2015-16 (Rs. Crore)	1869.68
7	Terminal Benefits (Rs. Crore)	197.64
8	Other Employee Cost (Rs. Crore)	263.46
9	Total approved employee cost (Rs. Crore)	461.10

HERC in its order dated 30 May 2017 while pronouncing tariff for FY 2017-18, trued up the figures of Haryana Vidyut Prasaran Nigam Ltd. For FY 2015-16. Against the original approved figure of Rs. 206.81 crore, HERC approved the difference amount in actual cost and approved values. The relevant extract of the order of Hon'ble Commission is reproduced below:-

"The Commission has considered the submission of HVPNL that due to lower escalation (inflation) impact considered by the Commission, the base cost was underestimated leading to the difference in that approved by the Commission and the amount actually incurred by them. Hence, the Commission allows true-up in line with the MYT Regulations, 2012 as under:-

Table 3.8 Employees' Cost for FY 2015-16

(Rs. In millions)

	HERC Approval	*HVPNL Audited*	*Difference*
Employees' cost (excluding terminal benefits)	*2060.81*	*2600.59*	*539.78*

The Commission, in line with the MYT Regulations, now allows the difference amounting to Rs. 539.78 million to be trued – up."

In view of the above, the allowable employee cost of PSTCL after considering both the factors explained above, for FY 2016-17 comes to Rs. 241.49 crore whereas the actual cost is Rs. 179.04 crore only. The same needs to be allowed and taken as base expense in true up for approving the employee expenses for MYT Control period from FY 2017-18 to FY 2019-20.

Consolidated position of manpower for PSTCL as on 30.09.2018

Sr.	Category	Regular	Contractual/	Total

No.			Outsourced	
1	CMD	1	-	1
2	Whole Time Directors	1	-	1
3	CE & Equivalent	5	-	5
4	Dy. CE/SE/CAO & equivalent	20	-	20
5	ASE/Sr. Xen/Dy. CAO & equivalent	90	-	90
6	AEE/AE/AO/AM & equivalent	226	9	235
7	AAE/AAO/Supdt& equivalent	158	3	161
8	JE/DA & equivalent	459	89	548
9	Sr Asstt/UDC/LDC/Steno & equivalent	67	303	370
10	LM/ALM & equivalent	1073	43	1116
11	SSA/Elect/RTM & equivalent	609	-	609
12	Hawaldar/Peon/Security/Chowkidar etc & equivalent	302	1177	1479
	Total	**3011**	**1624**	**4635**

	b) Unmanned Sub-stations:	The commission observes that there is no tangible progress in the execution of work in the last one year. The work of three substations is yet to start.	Tender Enquiry STO- 7019 was floated and Work Order o. STW-7001 dated 16.10.2015 was awarded to M/S Siemens Ltd. for Substation Automation System, including video monitoring system, for 5 no. of 220 kV Substations (220 kV substation Mohali-1, 220 kV substation Mohali-2, 220 kV substation Kharar, 220 kV substation DeraBassi and 220 V substation Lalru). The project has been delayed by Siemens and till-date more than 80% of the eject has been completed.

		PSTCL is directed to supply timelines for completion/ commissioning of all the five Sub Stations.	A committee of Engineer in Chief/ TS, PSTCL; Chief Engineer/ P&M, PSTCL and Dy. Chief Engineer/TS (Design), PSTCL was constituted to give recommendation on various issues relating to Substation Automation. The committee submitted its report in which, in respect of reduction in manpower, the committee recommended that in place of 4no. AAEs working in 3 shifts along with other shift staff, 3 no. AAEs can be spared. One retained AAE with look after maintenance work in substations. Cost benefit analysis in respect of implementation of SAS has been done as under:

Cost Benefit analysis for implementation of SAS

Cost Benefit analysis for implementation of SAS		
1.	Cost of complete Project for 5 substation	Rs.12.5 Crore
2.	Cost of SAS per substation	Rs.2.5 Crore
3.	Average emoluments of an AAE (Pay scale: 10900-34800/- GP-5450)	Rs.83,000/-
4.	Cost of deployment of 3 AAEs per annum	Rs.29,88,000/-
5.	Payback period for the expenditure incurred on implementation of SAS (=Value in Row 2./Value in Row 4.)	Approx. $8^{1/2}$ years

Apart from reduction in manpower, substation Automation system has some other major benefits, those also contribute financially but cannot be evaluated

			which have been listed below:- 1. Helps to reduce man hours for various operation of switchgear, thereby, reduces duration of shutdowns. These reduced shutdowns can enhance reliability and stability of system and transmission of power. 2. Automatic recording of events and disturbance reports with time stamping can be used for precise analysis of faults. Remedial measures can be taken to avoid reoccurrence of avoidable situations. Thus availability of transmission elements may be improved. 3. Requisite data regarding system operation can be sent directly through gateways of SAS, thus, it obviates the requirement of RTUs in future. Substation Automation is the latest technology providing real time information of important parameters at local and remote locations. it can preserve wide range of information about the system which may be compulsory in future technology in transmission systems.

	c) Training:	From the scrutiny of the reply of PSTCL, it appears that the licensee does not have any definite roadmap for training of its employees/officers. PSTCL is directed to submit its plan for training of their employees/officers.	1.PSTCL does not have any Training Institute of its own. As per decision dated 10.11.2017 of the Committee of VVTDs PSTCL, the decision of construction/ establishment of PSTCL's Advanced Training & Research Institute at 220 KV Substation, Ablowal has been scrapped. 2. As desired by CMD, PSTCL, a joint committee of PSPCL and PSTCL Officers was formulated to explore the Common Training Facilities between PSPCL and PSTCL & it was decided that in co-ordination with PSPCL, Induction Training as well as Refresher Courses of PSTCL employees shall be carried out at PSPCL training facilities: 3.In compliance to the above decision, 4 batches of (apprx.25 participants each) of SSA's of PSTCL have been sent for training at Technical Training Institute. PSPCL, Patiala in the year 2018. 4.Also the modules of Training for officers/officials of various other categories are being worked out mutually with PSPCL as per PSTCL's requirements. 5.Modalities for Common batches of PSPCL & PSTCL employees for same training are also under consideration **Training Calendar for Year 2018-19** a. GEO Spatial Awareness Workshop conducted by PEC, Chandigarh on 19th April at Chandigarh. b. Five days (7th May to 11th May, 2018) Communication Equipments Training, organized by Mis ECI Telecom India Pvt. Ltd at Gurgaon. c. "Renewable Energy Generation-Integration with Grid and Storage Batteries" from 05-08 June, 2018 at ESCI Campus Hyderabad. d. Three Days Training Program on "Fibre Optic Cabling and Splicing of FO

			Cable during Installation" from 1806.18 to 20,06.18 at Gurgaon. e. 4 weeks Training Program of SSAs of PSTCL(Total 100) has been conducted at Technical Training Institute (TTI). PSPCL, Patiala in year 2018 (Four Batches of 25 participants each) f. One Day Training on EAT Module for PSDF Scheme conducted by Chief Controller of Accounts(CCA), Ministry of Power, on 27.07.18 at Institute of Government Accounts and Finance (INGAF), Block-IV, Old J.N.U. Campus,New Delhi. g. Seminar on Road safety Talk by "SADAK" Patiala Foundation Society at Shakti Sadan, Patiala in July, 2018. h. One day Training Program on Medium Term Expenditure Framework(MTEF)under the Asian Development, Govt. of Punjab on 07.09.18 at PEDA-Auditorium, Chandigarh. i. Six days Training Program on Power System logistics by National Power Training Institute (NPTI), Faridabad in September,2018. j. Two weeks Training on Power system Operation by Power System Training Institute (PSTI), Bangalore in October, 2018. k. Two weeks Training on Power system Operation by Power System Training Institute (PSTI), Bangalore in December,2018. I. Six days Training Program on Regulatory Framework in Power Sector by National Power Training Institute (NPTI), Faridabad in December,2018. m. Six days Training on Renewable Energy Sources & grid Integration by Power System Training Institute (PSTI), Bangalore in January,2019. n. Two weeks Training on Power system Operation by National Power

			Training Institute (NPTI), Guwahati in February, 2019. **Proposed Trainings for year 2018-19** i. One week training program on "Enhancing Managerial Excellence" at Engineering Staff College of India, Hyderabad in batches(20 participants per batch) for Officers of PSTCL. Already 5 batches have undergone training at ESCI, Hyderabad in year 2016-17 & 2017-18. ii. Training of JEs & SSAs of PSTCL at TTI PSPCL . iii. Training on "Contractual Management" at Rajiv Gandhi National University of Law, Patiala. 7. It is also worth mentioning here that, it is mentioned in the Joint Director/Finance, Punjab Govt. letter dated 16.01.2015 that expenditure on conferences/seminars/workshops shall be curtailed and employees shall be sent for extremely essential training programs. Hence, from time to time, PSTCL sends its employees, for training and other mandatory programs to PSPCL training facilities and on essential training programmes to other institutions of India, as per the approval of higher authorities.
	d) **Implementation** of ERP	No tangible progress has been made by PSTCL after scrapping of bids of ERP work in March, 2017. The Commission directs PSTCL	**1. Rigidness:** Usually it is advised by SAP that the core module should not be customized very much according the needs of the utility. if the core module is customized as per the needs, it is bound to deliver problems and starts mal-functioning in the

		to submit the action plan on ERP project within a month of issue of this Tariff Order.	long run. PSPCL being a state owned PSU, there shall be definitely some gaps in SAP product and our business processes, which shall require the customization of the ERP product and if we choose not to customize the core module, then we have to compromise on our current business processes. Though customizations always start out small, but incrementally grow to become the technical challenges that may derail the project. Customizing the outsourced ERP system adds risk, time and cost to the project. **2. The failure history:** As mentioned earlier also, there is an average of more than 40% overall failure ratio of ERP products including SAP. As per the Gartner's Report, 75% of the ERP projects fail while as per the "2015 ERP Report" published by Panorama Consulting Solutions, USA, one of the key finding is that:- **ERP failure rates increased from last year**. Although every organization has differing definitions of "success" and 'failure," we found that more companies are defining their projects as failures when compared to previous years (21% this year compared to 16% last year). Also, less companies are saying they would have chosen the same ERP software vendor again if they could do it all over again (69% this year versus 76% last year). This suggests that companies are struggling to select and implement ERP systems in a way that they would

			consider a success. Moreover another fact cannot be denied that being the state owned PSU, PSPCL shall face even more difficulties in getting the officials adapted to a new system which is completely outsourced and has less participation of end-users during the development phase. **3. Scalability:** As mentioned above about the rigidness of ERP product, it is also again added that apart from customization, another consideration is scalability of the ERPsoftware. At different point of times, PSPCL may require integrating its Boundary metering project, GIS application etc. with the ERP software but the outsourced ERP products do not allow this. Even when they allow the integration, it may not be upto the satisfaction of PSPCL. **4. Compromise on number of user licenses:** The popular ERP products sell their licenses based on no. of transactional users. The cost of the product is directly proportional to the number of transactional user licenses used by organization. The cost will drastically increase in case of actual transactional users are provided licenses. On the other if transactional users are reduced, that will definitely affect the performance of the ERP system. **5. Dependency upon ATS (Annual Technical Support):** There is some annual expenditure involved for the Annual Technical Support for licenses second year onwards. To keep system running properly, we shall be

			almost bound to pay these charges forever. **6. Extra costs involved with Change Management Mechanism:** Change is a continuous process. Whenever there is a new requirement even if it is a very small, which is not under current scope of work and which require extra efforts of the Implementation Partner, then extra charges shall be levied for the extra work. **B: Alternative approach: The In-house development** As an alternative, a cost effective and more efficient approach of In-House development (partially) of complete ERP solution, can definitely be considered, in the interest of PSPCL. For this consideration, the above listed disadvantages of out-sourced ERP can be squared-in in the alternate approach in following words:- **1. Basic Cost:** In view of the already undertaken projects by IT wing, it is evident that, provided the resources are available, the IT wing, itself is competent enough to manage the In-House development of any kind of software. Since ERP is a really very-very comprehensive project, therefore to go for in-house development, there has to be more man-power and sufficient resources. In spite of that it is considered that cost of all the required additional man-power

			and resources for In-house ERP, shall be definitely far less than the out-sourced ERP. As mentioned above, the cost involved in first five years of In-house ERP implementation shall be much more less than half of the cost of the outsourced solution. The cost of the Infrastructure and hardware is not included in comparison of both the strategies (in-house and out-sourced) as that cost shall be same in both the strategies. **2. Customized Development instead of Rigidness:** The in-house system will be developed as per the actual requirement of the current business scenario. It is pertinent to mention that the functionalities of various modules submitted by the ERP consultant have already been finalized by the core team members. These functional matrices can be used as such for the customized development. However, the Incremental software development approach can be used for the developing the system in which, firstly, the focus will be given to the most important and core functionalities and then to the next important functionalities and so on. **3. The Success analysis in contrast to Out-Sourced:** As we all are aware that PSPCL had originally out-sourced the work of Bill Payment gateway to third party Pragyaware Informatics Pvt. Ltd., Ludhiana. It is notable that after suffering for many years, finally PSPCL decided to opt for the in-house solution for Bill-Payment system. The system has been launched

			recently and running much successfully now. It is also pertinent to mention that PSPCL exuded this confidence only due to the success of their Salary Package, which is again an in-house development. This Salary Package is also being used by PSTCL till date since inception. **4. Scalability & Integration:** Since whole of the system shall be conceived and developed in-house, there should not be any hassles whenever PSPCL requires to increase the capacity of the database. Same advantage shall be counted in the case of integration of other PSPCL owned modules like boundary metering system, SCADA system and GIS application. **5.Compromise on number of user licenses:** PSPCL may easily increase any number of users, be it transaction users or ESS users at any stage as there will be no restriction of any fixed number of licenses. The users can be increased easily without compromising on the performance and work efficiency. There shall not be any extra burden of cost. **6. No-Dependency upon ATS (Annual Technical Support):** No ATS whatsoever shall be there. Only salary of the PSPCL employees shall be there, which is there in out-sourced solution as well. **7. No extra costs involved with Change Management Mechanism:** Once the system is launched, the in-house team of PSPCL shall manage all types

of upcoming required changes as a continuous process with the approval of competent authority.

As per the functional scope of work of the proposed outsourced ERP, the following modules have been proposed:-

a.	**Finance, Accounting and Controlling**	**Already implemented**	**Remarks**
•	General Ledger	Yes	The remaining modules can be implemented within a year by hiring two outsourced developers for two years.
•	Accounts Receivable	Yes	
•	Accounts Payable	Yes	
•	Payments &Reconcillation	Yes	
•	Costing	Yes	
•	Budgeting	Yes	
•	Fixed Asset Accounting	Yes	
•	Period End Closing	Yes	
•	Taxation, duties & levies	Yes	
•	E-payments & E-receipts	Yes	
•	MIS Reports	Yes	
•	Fuel Accounting (financial accounting) for Generation Plants	Partially	

			b)	**Human Resource Management , payroll and Employee Self Service (ESS)**	**Already implemented**	**Remarks**	
			•	Organization Structure & Time Management	Yes	The presently working team of AM Its may be dedicated exclusively for remaining modules which can be implemented within one year.	
			•	Employee Management	Yes		
			•	Training and Development	Yes		
			•	Performance measurement			
			•	Skill Mapping			
			•	Manpower planning	Yes		
			•	DAR (Disciplinary Action Rules) & Vigilance			
			•	Medical facilities	Yes		
			•	Grievance Redressal	Yes		
			•	Employee transfer & posting, Employee separation	Yes		
			•	Employee leave accounting	Yes		

•	Employee self service (ESS) should be web enabled	Yes	
•	Payroll	Yes	

c)	**Purchasing, Contracts, material Management & Stores function**	**Already implemented**	**Remarks**
•	Material planning and Budgeting	Yes	The remaining modules can be implemented within a year by hiring two outsourced developers for two years
•	Indenting & Inquiry	Yes	
•	Formulation, Updating and modification of specification and inspection guidelines for different items		
•	Indent screening and clearance	Yes	
•	Sourcing (including vendor management)	These functionalities are part of E-Procurement	
•	E-tendering		
•	Quotations and orders		
•	Placement of Order (PO)		

			•	Post Order Placement activities		
			•	Inspection and Store function	Yes	
			•	Stock receipts	Yes	
			•	Stock issue and transfer	Yes	
			•	Inventory management	Yes	
			•	Procurement Services		
			d)	**E-procurement functions**		
			•	Supplier registration	Presently outsourced system is efficiently running a meager cost.	
			•	Tender Publication & Communication		
			•	Tender processing		
			•	Bid opening and evaluation		
			•	E-auction		
			•	Reverse biding		
			•	Payment Gateway for enabling procurement related e-payment to and from vendors /		

<table>
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The already developed packages are comprehensively customized as per the needs of the business processes of PSPCL. These are thoroughly tested and running successfully for past many years. A lot of hard-work and time has been spent on above software and this all hard-work and time will have to be scrapped if an outsourced ERP is implemented.
Last but the most important factor is that if PSPCL, on its own can develop and implement these softwares successfully, then the same softwares can be easily incorporated in the In-House ERP project after diligent study. This will simply reduce the proposed work of In-house of development of ERP project.
Financial Implication n changing the strategy:
Practically considering, there is no extra financial implication involved if PSPCL opts to change from the presently proposed strategy of outsourcing ERP to the In-house ERP. In fact it involves a saving of a lot of money that too with better efficiency.

Expenditure incurres for implementation of ERP:

FY 2014-15 Rs. 3,37,000/-
FY 2015-16 Rs.10,19,807/-</td></tr>
</table>

			TotolRs.13,56,807/-
4.3	**Loading Status of PSTCL Transmission lines and Substations:**	The Commission observes that 220 kV Dhandari-PGCIL, Ludhiana and 220 kV Lalton-PGCIL, Ludhiana ckt-1 are overloaded by 116.3% and 104.4%, respectively and all other 220 kV and 132 kV transmission lines and Substations of PSTCL remained below 100% loading during paddy 2017. PSTCL should share the timelines to deload the overloaded lines within one month of the issue of this tariff order. PSTCL should regularly upload the quarterly status of loading conditions of Sub-stations and Transmission lines on its website also.	Loading status of PSTCL Transmission Lines and Sub stations is uploaded on website.

4.4	Maintenance of category wise details of fixed assets:	The Commission is not satisfied with the reply of PSTCL and further directs to complete the task and submit status report within one month from the issue of Tariff Order.	Data regarding category wise, location wise and value wise fixed assets at corporate level (.e fixed asset register maintained at corporate level) was discussed and data/register was shown to the commission. (A copy of Fixed Asset Register (FAR) was submitted to the Commission vide letter dated 17.10.2018.)
4.6	Reactive Compensation.	PSTCL is directed to share the timelines for implementing the recommendations of the latest study report of CPRI.	1. PSTCL submitted DPR for funding through PSDF in respect of 35 Nos. 66 KV shunt capacitors of 10.86 MVAR rating at 17 no. 220 KV sub-stations with a total cost of Rs. 8.35 Cr approx. on the basis of Empirical formulae /Mathematical calculations based thumb rule for Capacitor banks. Subsequently, the work of system studies for capacitor requirement was entrusted to CPRI by NRPC. 2. The draft Capacitor study report was submitted by CPRI in the month of April 2017. The draft report was deliberated in the OCC meeting held in April 2017, wherein OCC noted that the capacitors proposed for PSDF funding by Haryana, Punjab and UP were less than that assessed based on the CPRI report. Therefore OCC recommended the proposal of these states for the approval of NRPC. Subsequently, in the 39th NRPC/35th TCC meeting, NRPC approved the proposal of Haryana, Punjab and UP for installation of capacitors for funding through PSDF. The final report was submitted by CPRI in the month of August 2017. 3. In the 41st NRPC/38th TCC meeting held on 27.02.2018,Techno Economic

			Sub Group (TESG) raised certain queries on the proposal submitted for PSDF funding by Haryana, UP, Punjab and J&K regarding capacitor installation by them wherein TESG asked certain information from the entities including PSTCL as follows:- a. Study report based on which requirement has been projected b. Location wise details of existing capacitor banks with age and healthiness report c. Present voltage profile at 11 KV/33 KV, projected voltage levels after installation of capacitors d. Schematic for automatic power factor correction e. SLDC report f. STU approval g. Basis of Cost estimates h. Grant from any other scheme of GOI (IPDS, DDUGVY) However, the same could not be furnished as the DPR was submitted much in advance by PSTCL i.e in June 2015 almost 2 years before the CPRI study report was conducted

			through NRPC based on Empirical formulae/Mathematical calculations based thumb rule for Capacitor banks. 4. It is further submitted that PSTCL submitted all the data in the given format as required by CPRI for conducting the study of capacitor banks as desired by NLDC but the same was actually not considered in the study report by CPRI. The CPRI in its study report issued on August 2017 has considered MVAR Compensation at existing Capacitor banks of PSTCL network to be 1563.9 MVAR and around 1039.26 MVAR has been additionally recommended to make the voltage profile stable making the total reactive compensation as 1563.9+1039.26=2603.16 MVAR. However, the actual operational MVAR of PSTCL network as submitted to CPRI for carrying out the study was around 3556.69 MVAR. 5. As mentioned in CERC (Indian Electricity Grid Code), Regulation 2010, the reactive compensation i.e Shunt Capacitors shall be provided by STU & users connected to Inter State Transmission System (ISIS) as far as possible in the low voltage system close to the load points. 6. In compliance to CERC regulations, the reactive Compensation in PSTCL is being provided at low voltage level i.e 11 KV & 66 KV (at 132 KV level only corresponding to the ratio 220/132 KV of the T/Fs). However, CPRI in its study report recommended reactive compensation at high voltage level also i.e.220 KV voltage level as well as 132kV voltage level (As per the

			recommendations, 220 KV shunt capacitors were recommended at 220 KV S/S & 132 KV shunt capacitors were recommended at 132 KV S/S.) However, as per the CERC guidelines, it is appropriate to install shunt capacitors at lower voltage level i.e 66 kv capacitor bank at 220 KV S/S with 220/66 KV T/F(s) and 11 KV capacitor banks at 132 KV S/S with 132/11 KV T/F(s).This set up is economical as well as it requires less space. 7. In the 37th TCC/ 40th NRPC meeting, it was decided that for obtaining more feasible and practical requirement of capacitors, the study shall be conducted at 220/132 KV level as well as 11/33/66 KV level for the year 2019-20 based on the data to be submitted by N-R utilities. 8. The matter was further discussed in the 42nd NRPC meeting 9. In view of the above scenario, the grant of PSDF funding is still pending for capacitor banks. 10. With respect to reactive compensation at 400 KV level, it is submitted that:- a. DPR was submitted to NLDC for PSDF funding on 23.05.2017 b. 6 no. reactors were recommended in 38th NRPC Meeting dt. 10.01.2017. c. Reactors were amended to 4 Nos. in standing Committee on Power System

			Planning of NR in their 39th meeting MOM dt. 28.07.2017 and then amended to 3 nos. Reactors in 40th meeting MOM dt. 30.07.2018. d. Tenders for procurement/installation of 400 KV as well as 220 KV Reactors have been opened and are under evaluation stage. The tender for 400 KV reactors was opened on 26.04.2018 and tender for 220 KV reactors was opened on 14.06.2018 respectively. e. As per the guidelines of PSDF, order shall only be placed after the approval of PSDF funding.
4.7	**Transmission System for evacuation of power from IPPs.**	The Commission observes that the target of November, 2016, which was earlier shifted to December, 2017 has now been postponed to 28.02.2018. Only about 61% stringing work has been completed. PSTCL is directed to intimate the commissioning of the above circuit immediately.	The work on 220KV line from Goindwal Sahib (TPS)-220KV to Bottianwala got delayed due to late commissioning of Goindwal Sahib Thermal Power Plan as priorities were shifted to commissioning of other transmission line projects under TS Organization. This was done in order to avoid unnecessary blockage of funds. Now, the work is under progress & the latest status of this work is as under:-

<table>
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<tr><th>S. No.</th><th>Name of Work</th><th>Total No. of Towers</th><th>No. of Towers Stubbed</th><th>No. of Towers Erected</th><th>Stringing & Sagging (in ckt.Km)</th><th>Expected of Commiss-oning</th><th>Remarks</th></tr>
<tr><td>1.</td><td>220 KV Goinwal Sahib (TPS)-220KV Bottian Wala DC line+64.735 Km length =64.735X2= 129.47 ckt Kms.</td><td>203</td><td>203</td><td>203</td><td>129.20</td><td>31.12.2018</td><td>Permission has been given by Hon'ble NGT for cutting of trees on 05.09.2018. Expected DOC is 31.12.2018.</td></tr>
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<tr><td>4.9</td><td>Replacement of defective energy meters:</td><td>The Commission in its order dated 19.04.2017 in Petition No. 42 of 2016 (Suo-moto) read with letter dated 15.10.2015 had issued various directions to PSPCL/PSTCL for accurate recording of pumped energy of AP feeders. PSTCL should ensure its implementation.</td><td>It is certified that various directions issued by the Commission to PSTCL for accurate recording of pumped energy of AP feeders are being implemented.</td></tr>
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<td>4.10</td>
<td>Preventive maintenance of transmission lines.</td>
<td>PSTCL is directed to clarify the percentage of Disc Insulators replaced with Anti-Fog Disc Insulators in polluted areas and timelines to replace remaining Disc Insulators with Anti-Fog Disc Insulators in polluted areas.</td>
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<table>
<tr><th>S. No.</th><th>P&M Circles</th><th>Issue Involved</th><th>Comments</th></tr>
<tr><td>1.</td><td>P&M Circle Amritsar</td><td>Preventive maintenance of Transmission Line</td><td>100% of disc Insulators replaced with anti Fog Disc insulators in polluted area.</td></tr>
<tr><td>2.</td><td>P&M Circle Bathinda</td><td>-Do-</td><td>100% of disc Insulators replaced with Polymer insulators strings in polluted area.</td></tr>
<tr><td>3.</td><td>P&M Circle Jallandhar</td><td>-Do-</td><td>100% of disc Insulators replaced with Anti Fog Disc insulators in polluted area.</td></tr>
<tr><td>4.</td><td>P&M Circle Ludhiana</td><td>-Do-</td><td>100% of disc Insulators replaced with Anti Fog and Polymer disc insulators.</td></tr>
<tr><td>5.</td><td>P&M Circle Patiala</td><td>-Do-</td><td>83 % of disc Insulators replaced with Anti-fog and Polymer insulators strings in polluted area and the remaining 17% to be replace upto 15/12/2018.</td></tr>
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FORMATS FOR APR PETITION

SUMMARY OF AGGEGATE REVENUE REQUIREMENT FOR TRANSMISSION BUSINESS AND SLDC

(Rs. Crore)

S.No.	Particulars	Transmission Business							
		FY 2017-18			FY 2018-19			FY 2019-20	
		MYT Order	APR	True up	MYT	Tariff Order	APR	MYT	Projected
1	*Net Employee costs*	430.58	430.58	464.57	445.72	445.72	488.66	465.67	524.46
2	*Net R&M expenses*	57.30	57.30	22.26	60.74	60.74	64.89	64.04	69.77
3	*Net A&G expenses*			27.17					
4	Depreciation	279.94	279.94	267.89	298.55	298.55	291.37	315.54	307.24
5	Interest charges	358.80	358.80	392.11	352.94	352.94	375.18	351.35	366.07
6	Interest on Working Capital	37.84	37.84	38.23	39.29	39.29	35.46	40.96	36.88
7	ULDC Charges	-	-	-	-	-	-	-	-
8	Return on Equity	101.78	101.78	106.23	115.64	115.64	117.60	126.58	136.95
9	Income tax	-	-	-	-	-	-	-	-
10	**Total Revenue Requirement**	1,266.24	1,266.24	1,318.46	1,312.89	1,312.89	1,373.16	1,364.14	1,441.36
11	Less: Non Tariff Income	49.25	49.25	18.94	49.25	49.25	18.94	49.25	18.94
12	**Aggregate Revenue Requirement**	1,216.99	1,216.99	1,299.52	1,263.64	1,263.64	1,354.22	1,314.89	1,422.42
13	Incentive	-	-	12.78	-	-	-	-	-
14	Interest due to delayed payment from PSPCL	-	-	13.21					
15	**Gross ARR**	1,216.99	1,216.99	1,325.51	1,263.64	1,263.64	1,354.22	1,314.89	1,422.42
16	Carrying cost for past year gaps	-	-	-	-	-	-	-	-
17	**Net ARR**	1,216.99	1,216.99	1,325.51	1,263.64	1,263.64	1,354.22	1,314.89	1,422.42

(Rs. Crore)

S.No.	Particulars	SLDC							
		FY 2017-18			FY 2018-19			FY 2019-20	
		MYT Order	APR	True up	MYT Order	Tariff Order	APR	MYT Order	Projected
1	*Net Employee costs*	*6.75*	*6.75*	*6.50*	*6.95*	*6.95*	*6.86*	*7.15*	*7.12*
2	*Net R&M expenses*	*1.89*	*1.89*	*0.55*	*2.85*	*2.85*	*1.67*	*3.67*	*2.74*
3	*Net A&G expenses*			*0.80*					
4	Depreciation	1.17	1.17	0.94	1.74	1.74	1.15	2.20	2.07
5	Interest charges	1.13	1.13	0.82	1.68	1.68	0.82	2.16	1.53
6	Interest on Working Capital	0.59	0.55	0.57	0.66	0.62	0.54	0.73	0.61
7	ULDC Charges	11.76	9.93	10.73	11.76	9.93	10.73	11.76	10.73
8	Return on Equity	-	-	-	-	-	-	-	
9	Income tax	-	-	-	-			-	
10	**Total Revenue Requirement**	23.29	21.42	20.92	25.64	23.77	21.77	27.67	24.80
11	Less: Non Tariff Income	5.41	5.41	1.41	5.41	5.41	1.41	5.41	1.41
12	**Aggregate Revenue Requirement**	17.88	16.01	19.51	20.23	18.36	20.36	22.26	23.39
13	Incentive				-	-	-	-	-
14	Interest due to delayed payment from PSPCL	-	-	-					
15	Gross ARR	17.88	16.01	19.51	20.23	18.36	20.36	22.26	23.39
16	Carrying cost for past year gaps				0	-	-	0	
17	**Net ARR**	17.88	16.01	19.51	20.23	18.36	20.36	22.26	23.39

SUMMARY OF AGGEGATE REVENUE REQUIREMENT FOR PSTCL (TRANSMISSION +SLDC)

(Rs. Crore)

S.No.	Particulars	Transmission Business and SLDC							
		FY 2017-18			FY 2018-19			FY 2019-20	
		MYT Order	APR	True up	MYT Order	Tariff Order	APR	MYT Order	Projected
1	*Net Employee costs*	437.33	437.33	471.08	452.67	452.67	495.53	472.82	531.58
2	*Net R&M expenses*	59.19	59.19	22.81	63.59	63.59	66.56	67.71	72.51
3	*Net A&G expenses*			27.97					
4	Depreciation	281.11	281.11	268.84	300.29	300.29	292.52	317.74	309.31
5	Interest charges	359.93	359.93	392.93	354.63	354.63	376.00	353.51	367.60
6	Interest on Working Capital	38.43	38.39	38.80	39.95	39.91	35.99	41.69	37.49
7	ULDC Charges	11.76	9.93	10.73	11.76	9.93	10.73	11.76	10.73
8	Return on Equity	101.78	101.78	106.23	115.64	115.64	117.60	126.58	136.95
9	Income tax	-	-	-	-	-	-	-	-
10	**Total Revenue Requirement**	1,289.53	1,287.66	1,339.38	1,338.53	1,336.66	1,394.94	1,391.81	1,466.17
11	Less: Non Tariff Income	54.66	54.66	20.36	54.66	54.66	20.36	54.66	20.36
12	**Aggregate Revenue Requirement**	1,234.87	1,233.00	1,319.03	1,283.87	1,282.00	1,374.58	1,337.15	1,445.81
13	Incentive	-	-	12.78	-	-	-	-	-
14	Interest due to delayed payment from PSPCL	-	-	13.21					
15	**Gross ARR**	1,234.87	1,233.00	1,345.02	1,283.87	1,282.00	1,374.58	1,337.15	1,445.81
16	Carrying cost for past year gaps		-	-	0	-	-	-	-
17	**Net ARR**	1,234.87	1,233.00	1,345.02	1,283.87	1,282.00	1,374.58	1,337.15	1,445.81

FORM -F1

EMPLOYEE EXPENSES FOR TRANSMISSION BUSINESS

Sr. No.	Particulars	FY 2017-18 (Actuals)	FY 2018-19 (H1-Actuals)	FY 2018-19 (H2 Estimated))	FY 2018-19 (Total H1+H2)	FY 2019-20 (Projected)
		Transmission	Transmission	Transmission	Transmission	Transmission
I	Other Employee Cost					
1	Basic pay	77.50	37.68	44.96	82.65	87.18
2	Over time payment	4.66	0.53	4.13	4.66	4.66
3	Dearness allowance	94.81	43.98	71.76	115.74	127.69
4	Other Allownce	16.13	7.47	16.73	24.20	36.30
5	Bonus	0.06	-	0.06	0.06	0.06
	Sub Total (Salaries)	**193.16**	**89.66**	**137.64**	**227.31**	**255.89**
6	Expenses for engagement of manpower through outsourcing agencies	23.71	7.58	16.13	23.71	23.71
7	**Sub-total**	**23.71**	**7.58**	**16.13**	**23.71**	**23.71**
8	Medical Expenses reimbusrement	1.00	0.50	0.50	1.00	1.00
9	Leave travel assistance/concession	0.14	0.09	0.05	0.14	0.14
10	Payment under workmen	-	-	-	-	-
11	**Sub Total**	**1.14**	**0.59**	**0.55**	**1.14**	**1.14**
12	Electricity Concession to PSTCL employees	1.68	0.00	1.68	1.68	1.68
14	Staff Welfare expenses	0.08	0.08	0.00	0.08	0.08
15	**Sub Total**	**1.76**	**0.08**	**1.68**	**1.76**	**1.76**
			-			
16	Less: Eastablisment cost recoverable on excecution of 66 kV works	-	-	-	-	-
17	Less: Employee Cost Capitalised	39.08	2.10		39.08	39.08
18	**Net Salary and Other Employee Cost**	**180.69**	**95.80**	**156.01**	**214.83**	**243.41**
19	Arrears	-	-	-	-	-
20	Prior period adjustments	-	-	-	-	-
21	**Grand total**	**180.69**	**95.80**	**156.01**	**214.83**	**243.41**
			-			
II	**Terminal Benefits**	**283.89**	**153.77**	**142.24**	**296.00**	**311.68**
			-			
22	**Grand total**	**464.57**	**249.57**	**298.25**	**510.84**	**555.09**

FORM -F1 (SLDC)
EMPLOYEE EXPENSES FOR SLDC

Sr. No.	Particulars	FY 2017-18 (Actuals)	FY 2018-19 (H1-Actuals)	FY 2018-19 (H2 Estimated))	FY 2018-19 (Total H1+H2)	FY 2019-20 (Projected)
		SLDC	SLDC	SLDC	SLDC	SLDC
I	**Other Employee Cost**					
1	Basic pay	2.50	1.24	1.41	2.65	2.83
2	Over time payment	-	-	-	-	-
3	Dearness allowance	3.07	1.44	2.29	3.73	4.10
4	Other Allownce	0.50	0.24	0.51	0.75	1.12
5	Bonus	0.00		0.00	0.00	0.00
	Sub Total (Salaries)	6.07	2.92	4.22	7.14	8.06
6	Expenses for engagement of manpower through outsourcing agencies	0.25		-		-
7	**Sub-total**	0.25	-	-	-	-
8	Medical Expenses reimbusrement	0.02	0.02	0.00	0.02	0.02
9	Leave travel assistance/concession	0.03	0	0.03	0.03	0.03
10	Payment under workmen	-	-	-	-	-
11	**Sub Total**	0.05	0.02	0.03	0.05	0.05
12	Electricity Concession to PSTCL employees	-	-	-	-	-
14	Staff Welfare expenses	0.00	-	0.00	0.00	0.00
15	**Sub Total**	0.00	-	0.00	0.00	0.00
16	Less: Eastablisment cost recoverable on excecution of 66 kV works			-	-	-
17	Less: Employee Cost Capitalised	-	-		-	-
18	**Net Salary and Other Employee Cost**	6.38	2.94	4.25	7.19	8.11
19	Arrears	-	-	-	-	-
20	Prior period adjustments	-	-	-	-	-
21	**Grand total**	6.38	2.94	4.25	7.19	8.11
II	**Terminal Benefits**	0.13	-	-	-	-
22	**Grand total**	6.50	2.94	4.25	7.19	8.11

FORM -F4 - REPAIRS AND MAITAINENCE EXPENSES

(Rs. in Crore)

Sr. No.	Particulars	FY 2017-18	FY 2018-19
			H1 - Actual
		Transmission	Transmission
1	Plant & machinery -	19.77	7.37
2	Building including renovation	1.34	0.51
3	Hydraulic works & civil works	0.52	0.22
4	Line cable & network	0.63	0.30
5	Vehicles	0.33	0.11
6	Furniture & fixtures	0.03	0.00
7	Office equipments	0.03	0.01
8	Operating expenses	-	-
9	**Sub-total**	22.65	8.53
10	Less: Expenses Capitalised	0.39	0.02
11	Less:R& M recoverable on execution of 66KV works	-	-
12	**Net R&M Expenses**	22.26	8.51
13	R&M for Assets Addition during the year	-	-
14	Add: Prior period expenses/losses	-	-
15	**Total R&M Expenses**	22.26	8.51

(Rs. in Crore)

Sr. No.	Particulars	FY 2017-18	FY 2018-19
			H1 - Actual
		SLDC	SLDC
1	Plant & machinery -	0.51	0.18
2	Building including renovation	0.04	0.00
3	Hydraulic works & civil works	-	-
4	Line cable & network	-	-
5	Vehicles	0.00	0.01
6	Furniture & fixtures	-	-
7	Office equipments	-	-
8	Operating expenses	-	-
9	**Sub-total**	0.55	0.19
10	Less: Expenses Capitalised	-	-
11	Less:R& M recoverable on execution of 66KV works	-	-
12	**Net R&M Expenses**	0.55	0.19
13	R&M for Assets Addition during the year	-	-
14	Add: Prior period expenses/losses	-	-
15	**Total R&M Expenses**	0.55	0.19

Note – PSTCL has claimed R&M and A&G Expenses combined as per PSERC MYT Regulations, 2014

FORM -F5

ADMINISTRATION AND GENERAL EXPENSES FOR TRANSMISSION BUSINESS

(Rs. in Crore)

Sr. No.	Particulars	FY 2017-18	FY 2018-19
			H1 - Actual
		Transmission	Transmission
1	Rent, Rates & Taxes	1.53	1.34
2	Insurance	0.05	0.03
3	Telephone, Postage, Telegramme and Telex	0.49	0.18
4	Legal Charges	0.24	0.18
5	Audit Fees	0.26	0.01
6	Consultancy/Technical Charges	0.17	0.08
7	Conveyance & Travel Charges	6.38	2.87
8	Licence and Registration Fees		0.04
9	Vehicle Expenses	-	0.08
10	Fees & Subscription	0.02	0.00
11	Books & Periodicals	0.00	-
12	Printing & Stationery	0.27	0.12
13	Advertisement/Publicity expenses	0.07	0.02
14	Electricity/Water Charges	17.96	8.60
15	Expenses on Training	0.27	0.20
16	Hospitality	0.04	0.01
17	Conference Expenses	-	-
18	Contingency Expenses	1.30	0.58
19	Outsourcing expenses for engagement of Personnel on Contract basis	-	-
20	Contribution payable to NRPC	-	-
21	Miscellenous expenses	-	(0.02)
22	Lease Rentals	-	-
23	Other expenses	0.09	-
24	Material Related expenses	2.16	0.88
25	Contribution made to PSTCL CSR Trust	0.22	-
26	Other purchase related expenses	-	-
27	Other donations	-	-
29	Sub-total	31.52	15.19
30	Add: Additional A&G expenses on the asset addition	-	-
31	Add: Audit and Licence and ARR Determination Fee	0.50	0.25
32	Total expenses	32.02	15.44
33	Less: A&G expenses recoverable on execution of 66KV works	-	-
34	Less: A&G Expenses capitalized	4.85	0.35
35	Net expenses	27.17	15.08
36	Add :prior period Expenses/Losses	-	-
37	Other Debits/Staff Outsourcing Expenses	-	-
38	Total A&G Expenses	27.17	15.08

Note – PSTCL has claimed R&M and A&G Expenses combined as per PSERC MYT Regulations, 2014

FORM -F5 (SLDC)

ADMINISTRATION AND GENERAL EXPENSES FOR SLDC

Rs. Crore

Sr. No.	Particulars	FY 2017-18	FY 2018-19
			H1 - Actual
		SLDC	SLDC
1	Rent, Rates & Taxes	-	
2	Insurance	0.00	
3	Telephone, Postage, Telegramme and Telex	0.06	0.04
4	Legal Charges	0.08	
5	Audit Fees	-	
6	Consultancy/Technical Charges	-	-
7	Conveyance & Travel Charges	0.08	0.02
8	Licence and Registration Fees		-
9	Vehicle Expenses	-	0.03
10	Fees & Subscription	-	
11	Books & Periodicals	-	
12	Printing & Stationery	0.01	
13	Advertisement/Publicity expenses	-	
14	Electricity/Water Charges	0.38	0.20
15	Expenses on Training	-	
16	Hospitality	0.00	
17	Conference Expenses	-	
18	Contingency Expenses	0.07	
19	Outsourcing expenses for engagement of Personnel on Contract basis	-	
20	Contribution payable to NRPC		
21	Miscellenous expenses	-	0.04
22	Lease Rentals		
23	Other expenses	0.10	
24	Material Related expenses	-	
25	Contribution made to PSTCL CSR Trust	-	
26	Other purchase related expenses	-	
27	Other donations	-	
29	**Sub-total**	0.80	0.33
30	Add: Additional A&G expenses on the asset addition	-	-
31	Add: Audit and Licence and ARR Determination Fee	-	-
32	Total expenses	0.80	0.33
33	Less: A&G expenses recoverable on execution of 66KV works	-	-
34	Less: A&G Expenses capitalized	-	-
35	Net expenses	0.80	0.33
36	Add :prior period Expenses/Losses	-	-
37	Other Debits/Staff Outsourcing Expenses	-	-
38	**Total A&G Expenses**	0.80	0.33

Note – PSTCL has claimed R&M and A&G Expenses combined as per PSERC MYT Regulations, 2014

CAPITAL EXPENDITURE, CAPITAL WORK IN PROGRESS AND FUNDING OF CAPITAL EXPENDITURE

(Rs. Crore)

Sr. No	Particulars	FY 2017-18		FY 2018-19 (H1+H2)		FY 2019-20	
		Transmission	SLDC	Transmission	SLDC	Transmission	SLDC
1	Opening CWIP	660.78	4.42	448.96	5.93	179.99	7.13
2	Capital Expenditure during year *	352.51	1.59	303.93	6.79	509.31	12.21
3	Transferred to fixed asset during year	564.33	0.08	572.91	5.59	163.92	19.34
4	Closing CWIP	448.96	5.93	179.99	7.13	525.37	(0.00)

Funding of Capital Expenditure

(Rs. Crore)

Sr. No	Particulars	FY 2017-18		FY 2018-19 (H1+H2)		FY 2019-20	
		Transmission	SLDC	Transmission	SLDC	Transmission	SLDC
1	Consumer Contribution	22.77	-	-	-	-	-
2	Equity**	105.88	0.35	91.18	2.04	152.79	3.66
3	Debt	246.63	1.24	212.75	4.75	356.51	8.55
4	**Total**	**375.28**	**1.59**	**303.93**	**6.79**	**509.31**	**12.21**

** Capital Expenditure during the year shown in Capital Work in Progress does not include Capital Expenditure on Contributory Work for Transmission Business for FY 2017-18*

*** PSTCL has considered funding of Capital Expenditure through Equity as 30% of Capital Expenditure in respective year, in accordance with the methodology adopted by Hon'ble Commission in its MYT Order dated October 23, 2017 and Tariff Order dated April 19, 2018.*

FORM F9 -
DEPRECIATION FOR TRANSMISSION BUSINESS

(Rs. in Crore)

Sr. No.	Particulars	FY 2017-18 True up			FY 2018-19 APR			FY 2019-20	
		MYT Order	Tariff Order	Actuals	MYT Order	Tariff Order	Petition	Tariff Order	Petition
	Transmission								
1	Opening GFA (Net of Land and Land Rights)	5,955.14	5,955.14	5,960.56	6,189.77	6,189.77	6,477.62	6,762.68	7,050.53
2	Assets additions during the Year (net of addition of assets funded through Contributory Works)	234.63	234.63	517.21	572.91	572.91	572.91	163.92	163.92
3	Assets replacement/ retirement	-	-	0.16	-	-	-	-	-
4	Closing GFA	6,189.77	6,189.77	6,477.62	6,762.68	6,762.68	7,050.53	6,926.60	7,214.45
5	**Depreciation**	279.94	279.94	267.89	298.55	298.55	291.37	315.54	307.24
6	Depreciation as % of Opening and Closing GFA	4.61%	4.61%	4.31%	4.61%	4.61%	4.31%	4.61%	4.31%

FORM F9 (SLDC)-
DEPRECIATION FOR SLDC

(Rs. in Crore)

Sr. No.	Particulars	FY 2017-18 True up			FY 2018-19 APR			FY 2019-20	
		MYT Order	Tariff Order	Actuals	MYT Order	Tariff Order	Petition	Tariff Order	Petition
	SLDC								
1	Opening GFA (Net of Land and Land Rights)	18.18	18.18	12.86	32.68	32.68	12.96	42.69	18.55
2	Assets additions during the Year (net of Contribution)	14.50	14.50	0.10	10.01	10.01	5.59	10.00	19.34
3	Assets replacement/ retirement	-	-	-	-	-	-	-	-
4	Closing GFA	32.68	32.68	12.96	42.69	42.69	18.55	52.69	37.89
5	**Depreciation**	**1.17**	**1.17**	**0.94**	**1.74**	**1.74**	**1.15**	**2.20**	**2.07**
6	Depreciation as % of Opening and Closing GFA	4.61%	4.61%	7.32%	4.61%	4.61%	7.32%	4.61%	7.32%

FORM-F16

RETURN ON EQUITY

(Rs. Crore)

Sr. No.	Particulars	FY 2017-18			FY 2018-19			FY 2019-20	
		MYT Order	Tariff Order	Actuals	MYT Order	Tariff Order	APR	MYT Order	Projected
1	Opening Balance-Equity Capital	605.88	605.88	605.88	707.37	707.37	712.11	784.77	805.33
2	Equity addition during the year through Internal Accruals	101.49	101.49	106.23	77.40	77.40	93.22	63.79	156.45
3	Closing balance-Equity Capital	707.37	707.37	712.11	784.77	784.77	805.33	848.56	961.79
4	ROE rate (%)	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%
5	Normative RoE*	101.78	101.78	102.14	115.64	115.64	117.60	126.58	136.95

For FY 2017-18, PSTCL has claimed RoE at same level as addition of Equity during FY 2017-18

FORM-F17

DETAILS OF TRANSMISSION LINE LENGTH (ckt-km)

Sr. No	Particulars	As on March 31, 2017	Addition during FY 2017-18	Asset Retirement during FY 2017-18	As on March 31, 2018	Addition during FY 2018-19 (H1)	Reduction during 2018-19 (H1)	Addition during FY 2018-19 (H2)	Reduction during FY 2018-19 (H2)	Addition during FY 2019-20	Retirement during FY 2019-20	As on March 31, 2020
		Actuals	Actuals	Actuals	Actuals	Actuals	Actuals	Estimated	Estimated	Projected		Projected
1	400 kV	1,599.75	-	-	1,599.75	-	-	-	-	-	-	1,599.75
2	220 kV	6,740.60	72.15	31.14	6,781.61	352.23	-	-	-	-	-	7,133.84
3	132 kV	3,125.18	23.92	13.46	3,135.64	-	224.54	-	-	-	-	2,911.10
4	Total	11,465.53	96.07	44.60	11,516.99	352.23	224.54	-	-	-	-	11,644.69

FORM-F19

NUMBER OF SUBSTATIONS FOR TRANSMISSION FUNCTION (Nos.)

S. No	Particulars	As on March 31, 2017	Addition during FY 2017-18	Asset Retirement during FY 2017-18	As on March 31, 2018	Addition during FY 2018-19 (H1)	Retirement During FY 2018-19 (H1)	Addition during FY 2018-19 (H2)	Retirement during FY 2018-19 (H2)	Addition during FY 2019-20	Retirement during FY 2019-20	As on March 31, 2020
		Actuals	Actuals	Actuals	Actuals	Actuals	Actuals	Estimated	Estimated	Projected	Projected	Projected
1	400 kV	5	-	-	5	-	-	-	-	1	-	6
2	220 kV	94	2	-	96	2	-	3	-	2	-	103
3	132 kV	69	-	-	69	-	2	-	3	-	-	64
4	Total	168	2	-	170	2	2	3	3	3	-	173

FORM-F20

NORMATIVE INTEREST ON WORKING CAPITAL FOR TRANSMISSION BUSINESS

(Rs in Crore)

Sr. No.	Particulars	FY 2017-18			FY 2018-19			FY 2019-20	
		MYT Order	Tariff Order	True-up	MYT Order	Tariff Order	APR	MYT Order	Projected
	Transmission								
1	Receivables equivalent to two months of fixed cost.	202.83	202.83	220.92	210.61	210.61	225.70	219.15	237.07
2	Maintenance spares @ 15% of O&M expenses	73.18	73.18	77.10	75.97	75.97	83.03	79.46	89.13
3	Operation and Maintenance expenses for one month.	40.66	40.66	42.83	42.21	42.21	46.13	44.14	49.52
4	**Total Working Capital Requirement**	316.67	316.67	340.85	328.78	328.78	354.87	342.75	375.72
5	Rate of Interest	11.95%	11.95%	11.22%	11.95%	11.95%	9.99%	11.95%	9.82%
6	**Interest on Working Capital**	37.84	37.84	38.23	39.29	39.29	35.46	40.96	36.88

FORM-F20 (SLDC)

NORMATIVE INTEREST ON WORKING CAPITAL FOR SLDC

(Rs in Crore)

Sr. No.	Particulars	FY 2017-18			FY 2018-19			FY 2019-20	
		Tariff Order	APR	True-up	MYT Order	Tariff Order	APR	MYT Order	Projected
	SLDC								
1	Receivables equivalent to two months of fixed cost.	2.98	2.67	3.25	3.37	3.06	3.39	3.71	3.90
2	Maintenance spares @ 15% of O&M expenses	1.30	1.30	1.18	1.47	1.47	1.28	1.62	1.48
3	Operation and Maintenance expenses for one month.	0.72	0.72	0.65	0.82	0.82	0.71	0.90	0.82
4	**Total Working Capital Requirement**	5.00	4.68	5.08	5.66	5.35	5.38	6.24	6.20
5	Rate of Interest	11.72%	11.72%	11.22%	11.72%	11.72%	9.99%	11.72%	9.82%
6	**Interest on Working Capital**	0.59	0.55	0.57	0.66	0.63	0.54	0.73	0.61

FORM-F21

INTEREST AND FINANCE CHARGES FOR TRANSMISSION BUSINESS

(Rs. Crore)

Sr. No.	Particulars	FY 2017-18			FY 2018-19			FY 2019-20	
		MYT Order	APR	True up	MYT Order	Tariff Order	APR	MYT Order	Projections
	Transmission								
1	Opening Balance	3740.88	3740.88	4064.72	3665.90	3665.90	4007.61	3520.42	3902.91
2	Loan addition during FY	229.80	229.80	742.20	173.61	173.61	212.75	141.85	356.51
3	Loan Repayment during FY	304.78	304.78	799.31	319.09	319.09	317.45	308.95	299.95
4	Closing Balance	3665.90	3665.90	4007.61	3520.42	3520.42	3902.91	3353.32	3959.48
5	Average Loan	3703.39	3703.39	4036.16	3593.16	3593.16	3955.26	3436.87	3931.19
6	Rate of Interest	11.10%	11.10%	10.57%	11.24%	11.24%	10.16%	11.36%	10.08%
7	Net Interest	411.08	411.08	426.48	403.87	403.87	401.74	390.43	396.24
8	Less: Interest Capitalised	53.50	53.50	39.76	52.14	52.14	31.94	40.30	35.55
9	Miscellenous Interest and Finance Charges	1.22	1.22	0.38	1.21	1.21	0.38	1.22	0.38
10	Guarantee Charges			5.00			5.00		5.00
11	Interest & Finance Charges	358.80	358.80	392.11	352.94	352.94	375.18	351.35	366.07

FORM-F21 (SLDC)

INTEREST AND FINANCE CHARGES FOR SLDC

(Rs. Crore)

Sr. No.	Particulars	FY 2017-18			FY 2018-19			FY 2019-20	
		Tariff Order	APR	True up	MYT Order	Tariff Order	APR	MYT Order	Projections
	SLDC								
1	Opening Balance	6.96	6.96	6.70	11.85	11.85	7.62	16.14	12.02
2	Loan addition during FY	7.00	7.00	1.24	7.00	7.00	4.75	7.00	8.55
3	Loan Repayment during FY	2.11	2.11	0.32	2.71	2.71	0.35	3.31	2.71
4	Closing Balance	11.85	11.85	7.62	16.14	16.14	12.02	19.83	17.86
5	Average Loan	9.41	9.41	7.16	14.00	14.00	9.82	17.99	14.94
6	Rate of Interest	12.05%	12.05%	11.45%	12.04%	12.04%	8.31%	12.03%	10.25%
7	Net Interest	1.13	1.13	0.82	1.68	1.68	0.82	2.16	1.53

F21 -INTEREST AND FINANCE CHARGES (DETAILED)

FY 2017-18

(Rs. Crore)

Sr. No.	Particulars (Source)	FY 2017-18					
		Actuals for True Up					
		Opening balance	Rate of interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest
1	LIC	33.97	8.65%	-	22.84	11.13	1.95
2	REC	2,927.53	10.66%	198.82	234.94	2,891.41	310.11
3	SBOP	44.00	10.86%	-	20.78	23.22	3.65
4	NABARD	197.58	10.31%	17.03	3.22	211.39	21.09
5	PSPCL	503.16	20.60%	-	495.57	7.59	52.62
6	PFC	-	0.21%	495.57	-	495.57	0.53
7	GPF	131.74	7.83%	-	21.96	109.78	9.46
8	BOI (Working Capital)	165.68	10.98%	-	-	165.68	18.20
9	PFC (WC)	61.06	11.61%	30.78		91.84	8.87
10	**Sub-total**	**4,064.72**	**10.57%**	**742.20**	**799.31**	**4,007.61**	**426.48**
11	Less: Interest Capitalised						39.76
12	Miscellenous Interest and Finance Charges			711.42			0.38
13	Guarantee Charges						5.00
14	**Grand Total**						392.11

FY 2018-19 (Rs. Crore)

Sr. No.	Particulars (Source)	FY 2018-19 Total H1+H2					
		Opening balance	Rate of interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest
1	LIC	11.13	6.47%	-	11.13	-	0.36
2	REC	2,891.41	10.18%	192.75	253.96	2,830.20	297.19
3	SBOP	23.22	10.75%	-	15.22	8.00	1.68
4	NABARD	211.39	9.85%	20.00	15.18	216.21	21.06
5	PSPCL	7.59	0.00%	-	-	7.59	-
6	PFC	495.57	9.70%	-	-	495.57	48.07
7	GPF	109.78	7.86%	-	21.96	87.82	7.77
8	BOI (Working Capital)	165.68	9.97%	0	0	165.68	16.53
9	PFC (WC)	91.84	9.90%	0	0	91.84	9.09
10	**Sub-total**	4,007.61	10.16%	212.75	317.45	3,902.91	401.74
11	Less: Interest Capitalised						31.94
12	Miscellenous Interest and Finance Charges						0.38
13	Guarantee Charges						5.00
14	**Grand Total**						375.18

FY 2019-20 (Rs. Crore)

Sr. No.	Particulars (Source)	FY 2019-20 Projected					
		Opening balance	Rate of interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest
1	LIC	-		-	-	-	-
2	REC	2,830.20	10.25%	327.51	255.00	2,902.72	293.81
3	SBOP	8.00	9.80%	-	8.00	-	0.39
4	NABARD	216.21	10.00%	29.00	15.00	230.21	22.32
5	PSPCL	7.59	0.00%	-	-	7.59	-
6	PFC	495.57	9.70%	-	-	495.57	48.07
7	GPF	87.82	8.00%	-	21.95	65.87	6.15
8	BOI (Working Capital)	165.68	9.90%	0	0	165.68	16.40
9	PFC (WC)	91.84	9.90%	0	0	91.84	9.09
10	**Sub-total**	3,902.91	10.08%	356.51	299.95	3,959.48	396.24
11	Less: Interest Capitalised						35.55
12	Miscellenous Interest and Finance Charges						0.38
13	Guarantee Charges						5.00
14	**Grand Total**						366.07

FORM-F22

TRANSMISSION AVAILABILITY

S. No	Particulars	FY 2017-18
		Actual
1	Apr-17	99.97%
2	May-17	99.94%
3	Jun-17	99.97%
4	Jul-17	99.99%
5	Aug-17	99.98%
6	Sep-17	99.99%
7	Oct-17	99.99%
8	Nov-17	99.96%
9	Dec-17	99.99%
10	Jan-18	99.94%
11	Feb-18	99.98%
12	Mar-18	99.99%
13	Average	99.97%

FORM-F23

TRANSMISSION LOSSES

S. No	Particulars	FY 2017-18			FY 2018-19				FY 2019-20	
		MYT Order	APR Order	Acutal	MYT Order	Tariff Order	Actual (H1)	Projection	MYT Order	Projections
1	Transmission Loss	2.50%	2.50%	3.12%	2.40%	2.40%	3.20%	2.80%	2.30%	2.70%

ULDC CHARGES

(Rs. in Crore)

Sr. No.	Particulars	FY 2017-18 (True up)			FY 2018-19			FY 2019-20	
		MYT Order	APR	Actual	MYT Order	Tariff Order	APR	MYT Order	Projected
1	ULDC Charges - SLDC Own Share			5.70			5.70		5.70
2	ULDC Charges - BBMB Share			2.58			2.58		2.58
3	ULDC Charges - Central Sector Share			-			-		-
4	NRLDC Fees and Charges			2.46			2.46		2.46
5	**Total**	11.76	9.93	10.73	11.76	9.93	10.73	11.76	10.73

TRANSMISSION SYSTEM CAPACITY FOR FY 2019-20 (MW)

S. No.	Source	Approved Capacity (MW) (Gross)	Auxiliary Consumption and Transformation Losses (%)	Approved Injection (MW) (Net)	PSPCL's Firm Share (%)	PSPCL's Firm Share (MW)
I	PSPCL Own THERMAL					
1	GNDTP , Bathinda	0.00	0.11	0.00	1.00	0.00
2	GGSSTP, Ropar	840.00	0.09	768.60	1.00	768.60
3	GHTP, LehraMohabbat	920.00	0.09	841.80	1.00	841.80
4	Total	1760.00		1610.40		1610.40
II	PSPCL Own HYDRO					
1	Shannan	110.00	0.01	109.26	1.00	109.26
2	UBDC	91.35	0.01	90.56	1.00	90.56
3	RSD Net Share Less 20% J&K and 4.6% HP share from RSD	452.40	0.00	451.50	1.00	451.50
4	ASHP	134.00	0.01	132.85	1.00	132.85
5	MHP	225.00	0.00	224.71	1.00	224.71
6	Micro Hydel	5.60	0.00	5.60	1.00	5.60
7	Total	1018.35		1014.47		1014.47
III	PSPCL share from BBMB	1161.28	0.01	1155.47		1155.47
IV	Independent Power Producers (IPPs) within Punjab (Private Sector Projects)					
1	Nabha TPP (NPL)	1400.00	0.06	1320.06	1.00	1320.06
2	Talwandi Sabo TPP (TSPL)	1980.00	0.07	1841.40	1.00	1841.40
3	GVK	540.00	0.09	491.40	1.00	491.40
4	NRSE Private Projects	1427.42		1427.42	1.00	1427.42
5	Total	5347.42		5080.28		5080.28
V	**PSPCL Share from Central Sector**					
1	Farakka STPS					
2	Kahalgaon-I	840.00	0.09	764.40	0.06	46.40

S. No.	Source	Approved Capacity (MW) (Gross)	Auxiliary Consumption and Transformation Losses (%)	Approved Injection (MW) (Net)	PSPCL's Firm Share (%)	PSPCL's Firm Share (MW)
3	Tala	1020.00	0.01	1009.80	0.03	29.69
4	Kahalgaon-II STPS	1500.00	0.06	1413.75	0.08	113.38
5	Singrauli STPS	2000.00	0.07	1862.40	0.10	186.24
6	Rihand STPS-I	1000.00	0.08	922.50	0.11	101.48
7	Rihand STPS Stage-II	1000.00	0.06	942.50	0.10	96.14
8	Unchahar-I	420.00	0.09	382.20	0.09	32.75
9	Unchahar-II	420.00	0.09	382.20	0.14	54.58
10	Unchahar-III	210.00	0.09	191.10	0.08	15.48
11	Anta GPS	419.00	0.03	408.53	0.12	47.76
12	Auraiya GPS	663.00	0.03	646.43	0.13	80.93
13	Dadri NCGPS	830.00	0.03	809.25	0.16	128.67
14	NAPS	440.00	0.11	393.80	0.12	45.64
15	RAPP B	440.00	0.11	393.80	0.23	89.51
16	RAPP C	440.00	0.11	393.80	0.10	40.99
17	Bairasiul HPS	180.00	0.01	178.20	0.47	82.86
18	Salal HPS	690.00	0.01	683.10	0.27	181.70
19	Rampur HEP	412.02	0.01	407.08	0.06	22.88
20	NathpaJhakri HPS	1500.00	0.01	1482.00	0.10	150.13
21	Tehri Stage-I	1000.00	0.01	988.00	0.08	76.08
22	Dulhasti HEP	390.00	0.01	385.32	0.08	31.90
23	Tanakpur HPS	94.00	0.01	93.34	0.18	16.74
24	Chamera HPS-I	540.00	0.01	533.52	0.10	54.42
25	Parbati-III HEP	520.00	0.01	513.76	0.08	40.38
26	Dhauliganga HEP	280.00	0.01	276.64	0.10	27.66
27	Chamera HPS-II	300.00	0.01	297.90	0.10	29.79

S. No.	Source	Approved Capacity (MW) (Gross)	Auxiliary Consumption and Transformation Losses (%)	Approved Injection (MW) (Net)	PSPCL's Firm Share (%)	PSPCL's Firm Share (MW)
28	Sewa-II HEP (3 Units)	120.00	0.01	118.80	0.08	9.90
29	Uri-I HPS	480.00	0.01	474.24	0.14	65.21
30	Uri-II HPS	240.00	0.01	237.12	0.08	19.28
31	Indira Gandhi STPS Jhajjar	1500.00	0.05	1421.25	0.00	0.00
32	Koteshwar HEP	400.00	0.01	395.20	0.06	25.13
33	Rihand-III	1000.00	0.06	942.50	0.08	77.92
34	Koldam	800.00	0.01	792.00	0.08	61.22
35	Dadri-II	980.00	0.05	928.55	0.00	0.00
36	Chamera-III	231.00	0.01	229.38	0.08	18.02
37	Unchahar-IV	500.00	0.06	471.25	0.00	0.00
38	Durgapur TPS (DVC)	1000.00	0.05	947.50	0.20	189.50
39	Raghunathpura RTPS (DVC)	1200.00	0.05	1137.00	0.25	284.25
40	Pragati-III(Bawana)PPCL	1371.00	0.03	1329.87	0.10	132.99
41	MALANA-2 (PTC)	100.00	0.01	98.80	0.88	86.94
42	SASAN Ultra Mega Project	3960.00	0.06	3722.40	0.15	558.36
43	MUNDRA Ultra mega project	4000.00	0.05	3800.00	0.13	475.00
44	Bokaro Thermal Power BTPS-A	500.00	0.05	473.75	0.40	189.50
45	KarchamWangtoo (PTC)	1000.00	0.01	988.00	0.20	197.60
46	Singrauli Small Hydro	8.00	0.01	7.92	0.00	0.00
47	Kishanganga HEP	330.00	0.01	326.04	0.00	0.00
48	Meja	1320.00	0.06	1244.10	0.04	45.24
49	Parbati-II	800.00	0.01	796.00	0.10	79.60
50	TapovanVishnugad	520.00	0.01	517.40	0.08	40.41
51	SECI-Wind Power	300.00		300.00	1.00	300.00
52	**Total**	**41808.02**		**39950.86**		**4701.05**

S. No.	Source	Approved Capacity (MW) (Gross)	Auxiliary Consumption and Transformation Losses (%)	Approved Injection (MW) (Net)	PSPCL's Firm Share (%)	PSPCL's Firm Share (MW)
VI	Grand Total (Transmission Capacity)	51095.07		48811.48		13561.67

ANNEXURES

Annexure I: Confirmation of Transmission Availability for FY 2017-18

pstcl
PUNJAB STATE TRANSMISSION CORPORATION LIMITED

PUNJAB STATE TRANSMISSION CORPORATION LTD
OFFICE OF THE CHIEF ENGINEER/SLDC
SLDC Building, 220KV Grid Sub-Station, Ablowal, (Patiala) – 147001.
Corporate Identity Number: U40109PB2010SGC033814
Fax No 0175-2365340
E-mail ce-sldc@pstcl.org
Tele 0175-2366007
Mob 96461-18001

To

Finacial Advisor,
PSTCL, Patiala.

Memo No: 949

Dated: 06/07/2018

Subject: Confirmation of Transmission Availability for the FY 2017-18.

In the above context, the Transmission System Availability for the year 2017-18 is as follows:

Sr. No.	Month	Transmission Availability(%)
1.	April, 2017	99.9745
2.	May, 2017	99.9399
3.	June, 2017	99.9714
4.	July, 2017	99.9863
5.	August, 2017	99.9835
6.	September, 2017	99.9907
7.	October, 2017	99.9909
8.	November, 2017	99.9576
9.	December, 2017	99.9905
10.	January, 2018	99.9357
11.	February, 2018	99.9752
12.	March, 2018	99.9888
13.	Transmission Availability for the whole Year 2017-18	99.9978

It is for your kind information and necessary action please.

Sd/-
6/7/18
Chief Engineer/SLDC,
PSTCL,Patiala

Annexure II: Work-wise details of Capital Works carried out from FY 2017-18 to FY 2019-20

Work wise details of Capital Works - Transmission

(Rs. In Crores)

Sr. No.	Name of Scheme/Project	General Description of Scheme	Total Cost of Project	Year of Start	Revised Scope of Work(if any)	Expenditure Upto FY 2016-17	Expenditure for FY 2017-18		Expenditure for FY 2018-19		Expenditure for FY 2019-20		Spill Over If Any
							As per MYT	Actual	As per MYT	Total	As per MYT	Anticipated	
A.	Spill over works under progress												
1	220 kV S/Stn Dharamkot	Replacement of 1x50 MVA, 132/66 kV T/F with 1x100 MVA, 220/66 kV T/F	7.21	FY 2016-17	-	0.82	4.50	5.94	-	-	-	-	-
2	Stringing of 2nd ckt of 220 kV line from 220 kV S/Stn Focal Point Nabha to 220 kV S/Stn Bhawanigarh.	18 km line length on DC towers/ 420 sq mm ACSR (Zebra) conductor	2.20	FY 2016-17	-	2.02	0.67	0.67	-	-	-	-	-
3	Stringing of 2nd ckt of 220 kV line from 220 kV S/Stn Focal Point Nabha to 220 kV S/Stn Bhawanigarh.	1.5 km line length on Multi Ckt towers/ 420 ACSR (Zebra) conductor	0.40	FY 2016-17	-	-	0.08	-	-	-	-	-	
4	Stringing of 2nd ckt of 220 kV line from 220 kV S/Stn Focal Point Nabha to 220 kV S/Stn Bhawanigarh.	2 Nos. Bays (1no. at 220 kV S/Stn Focal Point Nabha and 1 no. at 220 kV S/Stn Bhawanigarh)	2.64	FY 2016-17	-	0.75	0.10	0.10	-	-	-	-	-
5	220 kV S/Stn Mansa	1 no. 66 kV line bay for M/s Photon Ojas Pvt. Ltd. for its 1x25 MW Ground based Solar Power Plant	0.39	FY 2016-17	-	0.28	0.25	0.01	-	-	-	-	-
6	132 kV S/Stn Badal	1no. 66 kV line bay for M/s Azure Power Pluto Pvt. Ltd. for its 1x25 MW Ground based Solar Power Plant	0.39	FY 2016-17	-	0.34	0.35	0.02	-	-	-	-	-
7	132 kV S/Stn Anandpur Sahib	Extension in the control room building	0.34	FY 2016-17	-	0.02	0.34	0.33	-	-	-	-	-
8	400 kV Dhuri Sub Station	1X500 MVA, 400/220 kV Addl. T/F	16.29	FY 2016-17	-	17.98	1.00	3.62	-	0.80	-	-	-
9	220 kV Goindwal Sahib- Botianwala DC line	64.735 km line length/ 0.4 sq inch ACSR (Zebra) conductor	29.94	FY 2016-17	-	23.66	2.00	24.86	-	1.14	-	-	-
10	220 kV Rajpura-Devigarh DC line	37 km line length/0.4 sq inch ACSR (Zebra) conductor	17.34	FY 2016-17	-	16.24	0.30	6.00	-	1.69	-	-	-
11	220 kV Nakodar-Rehanajattan DC line	35 km line length/0.4 sq inch ACSR (Zebra) conductor	20.17	FY 2015-16	-	33.99	0.40	0.77	-	0.04	-	-	-
12	220 kV Mukatsar-Kotkapura DC line	38 km line length/0.4 sq inch ACSR (Zebra) conductor	18.01	FY 2014-15	-	18.06	0.50	5.34	-	1.02	-	-	-
13	220 kV Makhu-Algon DC line	50.445 km line length /0.4 sq inch ACSR (Zebra) conductor	23.79	FY 2014-15	-	26.69	2.00	6.78	-	4.34	-	-	-
14	220 kV Makhu-Rashiana DC line	30 km line length /0.4 sq inch ACSR (Zebra) conductor	21.00	FY 2014-15	-	38.17	1.00	8.18	-	3.63	-	-	-
15	220 kV Abohar- Malout DC line	29.994 km line length /0.4 sq inch ACSR (Zebra) conductor	10.31	FY 2014-15	-	10.47	10.00	5.81	-	7.06	-	-	-

16	220 kV Moga- Mehalkalan DC line	50 km line length /0.4 sq inch ACSR (Zebra) conductor	22.50	FY 2014-15	-	25.03	1.00	5.51	-	0.06	-	-	-
17	220 kV PGCIL(Ludhiana)- Doraha DC line	27 km line length/0.4 sq inch ACSR (Zebra) conductor	9.18	FY 2014-15	-	13.54	2.00	2.14	-	0.23	-	-	-
18	220 kV Mukatsar-Malout DC line	23.6 km line length/0.4 sq inch ACSR (Zebra) conductor	14.31	FY 2017-18	-	16.80	1.00	0.60	-	-	-	-	-
19	220 kV Nakodar- Ladowal DC line	40 km line length/0.4 sq inch ACSR (Zebra) conductor	29.27	FY 2015-16	-	17.95	10.00	11.28	-	1.62	-	6.86	-
20	LILO of one ckt of Humbran - Ferozpur Road Ludhiana line at Ladowal	17 km line length /0.4 sq inch ACSR (Zebra) conductor	10.30	FY 2015-16	-	5.30	5.00	2.33	-	1.09	-	0.04	-
21	220 kV S/S Ladowal(New)	160 MVA, 220/66 kV T/F	10.32	FY 2016-17	-	19.55	0.10	4.92	-	1.22	-	-	-
22	LILO of Patran- Kakrala & Patran- Rajla lines at 400 kV PGCIL Patran	6 km line length/0.4 sq inch ACSR (Zebra) conductor	9.45	FY 2016-17	-	7.11	0.50	0.08	-	-	-	-	-
23	220 kV S/S Kotla Jangan	Repl. of 100MVA with 160MVA, 220/66 kV T/F	8.81	FY 2016-17	-	8.65	0.10	0.36	-	0.15	-	-	-
24	220 kV S/S Maur (U/G from 132 kV)	100 MVA, 220/66 kV T/F	14.79	FY 2016-17	-	0.12	4.00	12.68	-	2.03	-	-	-
25	LILO of one ckt of GHTP- Talwandi Sabo line at Maur	10 km line length/0.4 sq inch ACSR (Zebra) conductor	8.00	FY 2016-17	-	3.14	7.00	4.27	-	0.17	-	-	-
26	LILO of one ckt of Nakodar- Rehana Jattan line at Hoshiarpur	18 km line length/0.4 sq inch ACSR (Zebra) conductor	12.48	FY 2016-17	-	11.92	1.00	9.24	-	0.43	-	-	-
27	220 kV S/S Hoshiapur (upgradtion from 132 kV)	160 MVA, 220/66 kV T/F	11.55	FY 2016-17	-	15.44	0.10	3.25	-	0.28	-	-	-
28	220 kV S/S Baghapurana	Addl. 2nd 100MVA, 220/66 kV T/F	7.21	FY 2016-17	-	1.07	6.20	6.35	-	0.05	-	-	-
29	220 kV S/S Kanjali	3rd 100MVA, 220/66 kV T/F	7.01	FY 2016-17	-	1.16	6.90	5.58	-	0.08	-	-	-
30	220 kV S/S Mastewal	2nd MVA, 220/66 kV T/F	7.01	FY 2017-18	-	1.77	6.10	4.49	-	0.05	-	-	-
31	220 kV S/S Verpal	100 MVA, 220/66 kV T/F in place of 30/50 MVA, 220/66 kV T/F	6.24	FY 2016-17	-	0.84	0.20	7.04	-	0.07	-	-	-
32	220 kV S/S Mahilpur	Addl. 100 MVA, 220/66 kV T/F	7.21	FY 2016-17	-	0.48	0.20	4.67	-	-	-	-	-
33	220 kV S/S Ablowal	Addl. 100 MVA, 220/66 kV T/F	7.21	FY 2016-17	-	1.61	6.42	0.48	-	4.50	-	-	-
34	LILO of both ckts.of Patiala-Mandi Gobindgarh DC line at 400 kV Rajpura	16.4 km line length /0.4 sq inch (Loop in) 17.49 km/0.4 sq inch) (Loop out)	18.23	FY 2016-17	-	23.05	0.10	-	-	-	-	-	-
35	220 kV Bajakhana-Baghapurana DC line	35.591 km line length/0.4 sq inch ACSR (Zebra) conductor	22.18	FY 2016-17	-	26.21	0.50	0.03	-	-	-	-	-
36	132 kV S/S Ekalgadda	Addl. 12.5 MVA, 66/11kV T/F	0.47	FY 2016-17	-	0.08	0.30	-	-	-	-	-	-
37	132 kV G.T. Road Amritsar	2X50 MVA, 132/66kV T/Fs in place of 1X16/20 MVA & 1X20/25 MVA T/Fs	0.60	FY 2016-17	-	1.44	0.29	0.06	-	0.35	-	-	-
38	132 kV Power Colony Amritsar	Addl. 50 MVA, 66/11 kV T/F	0.30	FY 2016-17	-	0.07	0.19	1.44	-	1.00	-	-	-
Sub Total (A)			415.05		-	391.80	82.69	155.17		33.10	-	6.90	-
B.	New works already taken in hand												

39	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	—	1.82	FY 2017-18	-	-	1.82	-	-	0.62	-	1.20	-
40	220 kV S/Stn Jadla (U/G from 132 kV)	Replacement of 1x20 MVA, 132/11 kV with 1x20 MVA, 66/11 kV T/F.	2.03	FY 2017-18	-	2.07	2.03	-	-	(0.05)	-	0.08	-
41	220 kV S/Stn Dera Bassi/ Saidpura	Augmentation of existing twin Zebra (0.4 sq inch) conductor with twin Moose (0.5 sq inch) conductor at 220 kV bus bar	0.75	FY 2017-18	-	-	0.75	0.24	-	-	-	-	-
42	220 kV S/Stn Dera Bassi/ Saidpura	Augmentation of existing twin Zebra (0.4 sq inch) conductor with quad Zebra (0.4 sq inch) conductor at 66 kV bus bar	0.75	FY 2017-18	-	-	0.75	-	-	0.75	-	-	-
43	220 kV S/Stn Dharamkot	Replacement of 1x20 MVA, 132/11 kV T/F with 1x20 MVA, 66/11 kV T/F	1.61	FY 2017-18	-	-	1.61	1.57	-	-	-	-	-
44	220 kV S/Stn Badhni Kalan (U/G from 132 kV)	1x100MVA, 220/66 kV T/F	14.05	FY 2017-18	-	0.02	5.00	11.95	9.05	2.65	-	-	-
45	LILO of 220 kV line from 400 kV S/Stn Moga to 220 kV S/Stn Himmatpura at 220 kV S/Stn Badhni Kalan	3 Km line length/ 420 sq mm ACSR (Zebra) conductor	2.40	FY 2017-18	-	-	0.80	1.82	1.60	1.03	-	-	-
46	220 kV S/Stn Alawalpur (U/G from 132 kV)	1x100MVA, 220/66 kV T/F	13.21	FY 2017-18	-	0.22	5.00	2.83	8.21	8.88	-	3.30	-
47	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	6 km line length/ 420 sq mm ACSR (Zebra) conductor	4.80	FY 2017-18	-	-	1.00	1.66	3.80	0.26	-	-	-
48	220 kV S/Stn Talwandi Bhai	Addl. 2nd 1x160MVA, 220/66 kV T/F	9.84	FY 2017-18	-	1.39	9.84	8.09	-	0.09	-	-	-
49	220 kV S/Stn Amloh	Repl. of 1x100 MVA, 220/66 kV T/F with 1x160 MVA, 220/66 kV T/F	8.81	FY 2017-18	-	0.01	8.81	0.69	-	7.63	-	-	-
50	220 kV S/Stn Mansa	Repl. of 1x100 MVA, 220/66 kV T/F with 1x160 MVA, 220/66 kV T/F	8.81	FY 2017-18	-	-	8.81	7.99	-	0.23	-	0.20	-
51	220 kV S/Stn Kartarpur	Repl. of 1x100 MVA, 220/66 kV T/F with 1x160 MVA, 220/66 kV T/F	8.81	FY 2017-18	-	-	8.81	7.67	-	0.22	-	-	-
52	220 kV S/Stn Ghulal	Repl. of 1x20 MVA and 1x10/12.5 MVA 132/11 kV T/Fs with 2x20 MVA, 66/11 kV T/Fs	3.22	FY 2017-18	-	-	3.22	2.05	-	0.05	-	-	-
53	Procurement of Emergency Restoration System (ERS)	2 Sets of 10 Towers each	24.20	FY 2017-18	-	-	24.20	25.86	-	-	-	-	-
54	NIFPES Systems for 31 no. 220 kV, 100 MVA T/Fs	31 Nos.	6.24	FY 2017-18	-	-	3.12	-	3.12	5.24	-	1.00	-
55	400 kV S/S Mukatsar	1X500MVA, 400/220 kV T/F	17.00	FY 2017-18	22.00	-	5.00	0.81	12.00	16.78	-	5.22	-

56	132 kV Verpal-Mall Mandi Line	Replacement of 23 No. damaged Towers & Augmentation of 0.2 sq inch conductor with HTLS conductor (12 km line length)	7.40	FY 2017-18	-	-	3.00	0.01	4.40	2.52	-	4.87	-
57	220 kV S/S Gobindgarh-II	Addl. 4th 12.5MVA, 66/11 kV T/F	0.30	FY 2017-18	-	-	0.30	0.61	-	0.06	-	-	-
58	220 kV S/S Mukatsar	1 No. Addl. 20/25MVA, 132/ 66 kV T/F	1.06	FY 2017-18	-	-	1.06	-	-	0.81	-	-	-
59	Truck - Trailer	200 Ton GCW	2.50	FY 2017-18	-	-	2.50	-	-	3.64	-	0.31	-
60	220 kV S/S Derabassi	Addl. 100MVA, 220/66 kV T/F	9.00	FY 2017-18	-	-	9.00	6.75	-	0.09	-	-	-
61	132 kV Shanan- Kangra- Pathankot line with new ACSR wolf conductor	Replacement of damaged ACSR conductor of 0.15 sq inch with 0.15 sq inch ACSR (Wolf) conductor. 124.5 km line length	19.50	FY 2017-18	-	-	3.86	5.53	15.64	12.64	-	18.85	-
62	400 kV S/Stn. Makhu	Addl 500MVA 400/220 kV T/F	17.00	FY 2017-18	25.00	-	2.00	-	15.00	-	-	14.50	10.50
63	Transmission System for 400 kV Rajpura Thermal Plant	Addl. Civil works at 400 kV S/Stn. Rajpura	3.00	FY 2017-18	-	1.90	3.00	4.28	-	3.00	-	4.00	-
64	Transmission System for 400 kV Talwandi Sabo Thermal Plant	For addl. eqpt. at 400 kV S/Stn. Covered in the scheme	5.00	FY 2017-18	-	-	5.00	1.69	-	-	-	5.00	-
65	Automation of 5 no. 220 kV Sub Stations	220 kV S/Stns Mohali 1 &2, Kharar, Dera Bassi,Lalru	9.12	FY 2017-18	10.60	-	6.62	-	2.50	9.12	-	1.48	-
66	132 kV S/S Tanda	Addl. 20MVA,132/11 kV T/F	0.50	FY 2017-18	-	-	0.50	-	-	0.50	-	0.02	-
67	220 kV S/S Sarna	Addl. 100 MVA, 220/66 kV T/F	7.21	FY 2017-18	-	0.33	7.21	6.35	-	0.24	-	-	-
68	220 kV Tibber	Addl. 12.5 MVA, 66/11 kV T/F	0.30	FY 2017-18	-	0.14	0.30	1.73	-	-	-	-	-
69	220 kV Nurmehal	Addl. 20MVA, 66/11 kV T/F in place of 10/12.5 MVA 132/11 kV T/F	1.73	FY 2017-18	-	1.20	1.73	0.04	-	0.01	-	-	-
70	LILO of 2nd ckt. of 400 kV S/S PGCIL Jalandhar-220 kV S/S Kotla Jangan (Nakodar) line at 220 kV S/S Kartarpur	2 km line length/0.4 sq inch ACSR (Zebra) conductor	1.40	FY 2017-18	-	-	1.40	0.01	-	1.17	-	-	-
71	220 kV S/S Bajakhana	Repl. of 2X12.5 MVA, 66/11 kV T/F with 2X20MVA, 66/11 kV T/F	2.96	FY 2017-18	-	-	2.96	1.53	-	1.51	-	-	-
72	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	–	1.53	FY 2017-18	-	-	1.53	0.86	-	3.20	-	0.40	-
73	Stringing of 1no. 66 kV ckt on existing 66 kV multi ckt towers of 66 kV line from 220 kV S/Stn Bhawanigarh to 220 kV S/Stn BBMB Sangrur.	Length = 2.5 Km (approx.) on existing 66 kV multi ckt towers with 200 sq mm ACSR (Panther) Conductor	0.18	FY 2017-18	-	-	0.18	-	-	0.05	-	-	-
74	132 kV S/Stn Malout	Repl. of 12.5/16 MVA, 132/66 kV T/F with 1x20/25 MVA, 132/66 kV T/F	0.30	FY 2017-18	-	-	0.30	-	-	0.32	-	-	-

75	220 kV S/Stn Bangan	Addl. 2nd 100 MVA, 220/66 kV T/F	7.21	FY 2017-18	-	-	4.33	0.35	2.88	6.55	-	0.50	-
76	220 kV S/Stn Rajla	Repl. of 100 MVA with 160 MVA, 220/66 kV T/F	8.81	FY 2017-18	-	-	5.29	7.99	3.52	0.08	-	-	-
77	LILO of 220 kV line from 220 kV S/Stn Himmatpura to 220 kV S/Stn Jagraon at 220 kV S/Stn Ajitwal.	3 km Line Length/ 420 sq mm ACSR (Zebra) Conductor	2.23	FY 2017-18	-	0.01	2.23	0.94	-	1.60	-	-	-
78	220 kV S/Stn Ajitwal	2 nos. Bays (in line with Sr. No. 81)	2.60	FY 2017-18	-	0.91	2.60	0.78	-	0.60	-	-	-
79	220 kV S/Stn Ferozepur Rd. Ludhiana	Extension in the control room building	0.40	FY 2017-18	-	-	0.40	-	-	0.19	-	-	-
80	220 kV S/Stn Ferozepur Rd. Ludhiana	1 no. 66 kV O/G line bay for 66 kV S/Stn Sarabha Nagar, Ludhiana	0.39	FY 2017-18	-	0.24	0.39	0.08	-	0.02	-	-	-
81	220 kV S/Stn Majitha	Extension in the control room building	0.39	FY 2017-18	-	-	0.39	0.60	-	-	-	-	-
82	220 kV S/Stn Majitha	1 no. 66 kV O/G line bay for 66 kV S/Stn Nag Kalan (Ckt.- II)	0.39	FY 2017-18	-	0.25	0.39	-	-	0.06	-	-	-
83	220 kV S/Stn Wadala Granthian	Planning for 1no. 66 kV O/G line bay for 66 kV S/Stn Qadian.	0.39	FY 2017-18	-	0.02	0.39	0.33	-	-	-	-	-
84	220 kV S/Stn Bangan	1 no. 66 kV line bay for 66 kV Bangan - Mandvi DC on DC line	0.39	FY 2017-18	-	-	0.39	0.36	-	0.18	-	-	-
85	220 kV S/Stn Patran	1 no. 66 kV line bay for 66 kV Dirba DC on DC line	0.39	FY 2017-18	-	0.13	0.39	0.09	-	0.21	-	-	-
86	220 kV S/Stn Jadla (U/G from 132 kV)	Uplifting of old 132 kV/66 kV yard by level earth filling	1.50	FY 2017-18	-	-	1.50	0.51	-	0.59	-	0.06	-
87	132 kV S/S Phillaur	1X25 MVA, 132/66 kV T/F in place of 1X 12.5/16 MVA, 132/66 kV T/F	0.30	FY 2017-18	-	-	0.30	-	-	0.88	-	-	-
88	220 kV S/S Rashiana	Extension of 66 kV double busbar & Shifting of 2no. 66 kV O/G line bays for 66 kV Tarn Taran ckt 1 & 66 kV Fatahabad ckt.-1	0.47	FY 2017-18	-	-	0.47	-	-	0.57	-	-	-
89	220 kV S/S Dhandhari Kalan 1 and 2	Provision of 220 kV Double bus bar arrangement	9.23	FY 2017-18	-	-	2.00	0.90	7.23	-	-	9.23	-
90	220 kV S/S Sahnewal	Provision of making 66 kV double bus arrangement including dismantlement & erection of new towers	2.20	FY 2017-18	-	-	0.50	0.38	1.70	2.03	-	0.30	-
91	132 kV Jamalpur-Moga line Ckt. No. 1	Providing 14 Nos. additional towers instead of replacement of conductors on existing 132 kV Jamalpur- Moga line Ckt No. 1	0.91	FY 2017-18	-	1.14	0.91	0.15	-	-	-	-	-
92	132 kV Mastewal	1 no 66 kV line bay for 66kv S/s Gurali	0.39	FY 2017-18	-	-	0.39	0.30	-	-	-	-	-
93	220 kV Talwandi Sabo	1 No.66 kV line bay for its 25MW Solar Power Plant	0.39	FY 2017-18	-	0.02	0.39	0.45	-	0.03	-	0.03	-
94	220 kV Talwandi Sabo	Extension of Existing 66 kV bus bar	0.32	FY 2017-18	-	-	0.32	-	-	0.35	-	0.03	-
95	133 kV Malout	1 no. 66 kV line bay for 66 kV S/S Malout (new)	0.39	FY 2017-18	-	-	0.39	0.19	-	0.05	-	-	-
96	Setting up of Out Door Testing Laboratory	P&M Organization work	1.40	FY 2017-18	-	-	0.50	0.34	0.50	-	0.40	-	-

97	Testing benches & lab safety equipment	P&M Organization work	0.10	FY 2017-18	-	-	0.06	0.04	0.02	-	0.02	-	-
98	Water content measurement kit	P&M Organization work	0.06	FY 2017-18	-	-	0.06	-	-	-	-	-	-
99	Air conditioning of S/Stn's	P&M Organization work	0.60	FY 2017-18	-	-	0.30	-	0.15	-	-	-	-
100	DC E/F locater for 400 kV S/Stn's	P&M Organization work	0.05	FY 2017-18	-	-	0.05	-	-	-	-	-	-
101	Vibration meter	P&M Organization work	0.05	FY 2017-18	-	-	0.05	-	-	-	-	-	-
102	New Civil Works in respect of 5 no. stores such as sheds, plinths and Boundry walls etc.	HR, IT, S&D Organization work	5.00	FY 2017-18	-	-	2.50	-	2.50	2.44	-	2.85	-
103	Installation of CCTV Cameras at 5 No. stores	HR, IT, S&D Organization work	0.40	FY 2017-18	-	-	0.40	-	-	-	-	-	-
104	Procurement of Hardwares, Server, Furniture, IT Space renovation (Civil Works) & Unforeseen Capital Expenditure	HR, IT, S&D Organization work	2.73	FY 2017-18	-	-	2.02	-	0.35	0.40	0.36	1.80	-
Sub Total (B)			268.42		57.60	10.00	173.32	117.40	94.17	100.07	0.78	75.23	10.50
C.	Works yet to be taken in hand												
105	220 kV S/Stn Sultanpur	Erection of 2nd 220 kV Bus bar (Twin zebra conductor)	4.50	FY 2017-18	-	-	1.00	-	3.50	0.30	-	4.90	-
106	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	2.787 Km Line Length with suitable HTLS conductor	0.80	FY 2017-18	-	-	0.80	-	-	0.58	-	1.38	-
107	220 kV S/Stn Sadiq	Repl. of 100 MVA with 160 MVA, 220/66 kV T/F	8.81	FY 2017-18	-	-	2.29	-	6.52	8.03	-	0.81	-
108	220 kV S/Stn Bajakhana	Repl. of 100 MVA with 160 MVA, 220/66 kV T/F	8.81	FY 2017-18	-	-	2.29	-	6.52	8.03	-	0.81	-
109	220 kV S/Stn Jamsher	Repl. of 100 MVA with 160 MVA, 220/66 kV T/F	8.81	FY 2017-18	-	-	2.29	-	6.52	8.05	-	0.81	-
110	220 kV S/Stn Ghubaya	Repl. of 100 MVA with 160 MVA, 220/66 kV T/F	8.81	FY 2017-18	-	-	2.29	-	6.52	8.16	-	0.81	-
111	220 kV S/Stn Talwandi Bhai	Repl. of (1x16/20+ 1x10/12.5 MVA), 132/11 kV with 2x20 MVA, 66/11 kV T/Fs	4.94	FY 2017-18	-	-	1.93	-	1.29	4.99	1.72	-	-
112	220 kV S/Stn Chogawan	Addl. 2nd 160 MVA, 220/66 kV T/F	9.84	FY 2017-18	-	-	2.90	-	6.94	9.25	-	0.84	-
113	220 kV S/Stn Badal	Addl. 2nd 100MVA, 220/66 kV T/F	7.21	FY 2017-18	-	-	2.33	-	4.88	1.30	-	6.21	-
114	220 kV S/Stn Dasuya	Addl. 2nd 1x100MVA, 220/66 kV	4.21	FY 2017-18	-	-	0.16	-	4.05	2.27	-	2.31	-
115	220 kV S/Stn Badhni Kalan (U/G from 132 kV)	Replacement of existing (1x20+1x12.5) MVA, 132/11 kV with 2x20 MVA, 66/11 kV T/Fs.	3.74	FY 2017-18	-	-	0.50	-	3.24	3.77	-	-	-
116	220 kV S/Stn Banga (U/G from 132 kV)	1x100 MVA, 220/132 kV T/F as spared from 220 kV S/Stn Mahilpur	8.19	FY 2017-18	-	-	3.68	0.46	4.51	2.20	-	6.19	-
117	LILO of 220 kV Jadla - Jamsher SC line at 220 kV S/Stn Banga (Proposed)	2 km Line Length / 420 sq mm ACSR (Zebra) conductor on Multi circuit Towers	3.36	FY 2017-18	-	0.01	1.00	0.00	2.36	6.00	-	1.36	38.62

118	LILO of 220 kV Jadla - Jamsher SC line at 220 kV S/Stn Banga (Proposed)	5 km Line Length / 420 sq mm ACSR (Zebra) conductor DC on DC Towers	4.00	FY 2017-18	-	-	1.00	-	3.00	-	-	-	-
119	220 kV Line bays at 220 kV S/Stn Banga (Proposed)	2 Nos. (cost of 1no. Line bay already included in s/stn.	1.30	FY 2017-18	-	-	0.52	-	0.78	-	-	1.30	28.20
120	220 kV S/Stn Sherpur (Focal Point) (U/G from 66 kV grid with 220 kV side GIS and 66 kV side Conventional)	1x160 MVA, 220/66 kV T/F	10.20	FY 2017-18	25.00	-	0.30	-	1.00	-	8.90	17.00	8.00
121	LILO of both ckts of 220 kV S/Stn Jamalpur - 220 kV S/Stn Dhandari Kalan-I line at 220 kV S/Stn Sherpur (Focal Point)	13 Km Line Length / 420 sq mm ACSR (Zebra) Conductor	4.20	FY 2017-18	-	-	0.20	-	1.00	0.02	3.00	3.48	0.70
122	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	1.932 Km Line Length with suitable HTLS conductor	0.80	FY 2017-18	-	-	0.42	-	0.38	0.40	-	0.60	-
123	220 kV S/Stn Budhlada (U/G from 66 kV)	1x160 MVA, 220/66 kV T/F	23.08	FY 2017-18	-	-	0.46	-	3.97	2.10	4.00	24.98	-
124	220 kV S/Stn Mansa - 220 kV S/Stn Budhlada DC Line	40 Km Line Length/520 sq mm ACSR (Moose) DC on DC	18.22	FY 2017-18	-	-	1.00	-	7.21	0.07	10.01	10.01	34.82
125	220kv S/S Alawalpur	Repl. of existing 1X20 MVA + 1X12.5 MVA, 132/11 kV T/Fs with 2 no. 20 MVA, 66/11 kV T/Fs	3.74	FY 2017-18	-	-	0.74	-	3.00	3.78	-	-	-
126	220 kV S/S Patran	Extension in the S/S Control room building complex	0.54	FY 2017-18	-	-	0.54	-	-	0.15	-	0.40	-
127	220 kV S/S Baghapurana	Repl. of 2X20MVA, 132/11 kV T/Fs with 2X20MVA, 66/11 kV T/Fs.	3.08	FY 2017-18	-	-	1.08	-	2.00	3.12	-	-	-
128	400 kV S/Stn Doraha (New at Village Dhanansu)	2x500 MVA, 400/220 kV T/Fs	60.22	FY 2017-18	-	-	0.56	-	11.50	11.60	21.60	23.50	-
129	LILO of both ckts. of 400 kV line from 400 kV S/Stn Rajpura Thermal to 400 kV S/STn Nakodar at 400 kV S/Stn Doraha (New at village Dhanansu)	11.1 Km. Line Length (2xDC /Twin Moose Conductor)	33.30	FY 2017-18	-	-	0.20	-	1.26	0.30	6.00	16.00	17.00
130	(i) 400 kV Bays (ii) 220 kV Bays at 400 kV S/Stn Doraha	(i) 4 Nos. (ii) 10 Nos.	28.20	FY 2017-18	-	-	0.50	-	1.03	-	5.00	-	-
131	220 kV Banur-Mohali (GMADA) DC line	4 km Line Length ACSR ZEBRA Conductor	3.06	FY 2017-18	-	-	0.20	-	0.20	-	1.00	-	3.06
132	220 kV DC line from 400 kV Grid near Doraha to 220 kV Ikolaha	12 km (approx.) Line Length / 420 sq mm DC ACSR Zebra	9.17	FY 2017-18	-	-	0.20	-	0.50	-	2.00	2.00	7.17
133	220 kV DC line from 400 kV Grid near Doraha to 220 kV Doraha	10 km (approx.)/ 420 sq mm DC ACSR Zebra	7.64	FY 2017-18	-	-	0.20	-	0.50	-	2.00	2.00	5.64
134	220 kV DC line from 400 kV Grid near Doraha to 220 kV Kohara	10 km (approx.)/ 420 sq mm DC ACSR Zebra	7.64	FY 2017-18	-	-	0.20	-	0.50	-	2.00	2.00	5.64

135	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))	12 Nos.	15.84	FY 2017-18	-	-	0.50	-	0.50	0.01	3.00	-	-
136	LILO of 220 kV S/Stn Mansa - Sunam (SC) at 400 kV S/Stn Patran (220 kV bus).	40 km (approx.) Line Length / 1xDC with 420 sq mm ACSR (Zebra)	30.56	FY 2017-18	-	-	0.50	-	0.34	0.07	21.64	15.64	14.85
137	Aug/Strengthening of bus bars	----			0.00								
138	Extension in Switchyard buildings, Provision for AC etc.	----											
139	Provision for Reactive Compensation	----	30.74	FY 2017-18		23.460	17.00	11.73	0.00	2.42	0	0	0
140	Addition of bays/system strengthening required on account of RE generation	----											
141	Replacement of 11 kV VCBs with SCADA Complaint VCBs at various sub stations in the city of Ludhiana, Jalandhar & Amritsar	Replacement of 11 kV VCBs with SCADA Complaint VCBs at various sub stations in the city of Ludhiana, Jalandhar & Amritsar	10.00	FY 2017-18	-	-	10.00	4.58	-	8.35	-	-	-
142	Replacement of Disc Insulators of 400 kV PSTCL lines with Polymer Insulators		92.00	-	-	-	12.50	-	12.50	2.00	-	33.00	57.00
Sub Total (C)			479.56		25.00	23.47	72.28	16.77	108.02	97.32	91.87	178.34	220.70
D.	New Works planned for FY 2018-19												
143	220 kV DC line from 220 kV S/Stn Gaunsgarh to 220 kV S/Stn Ladhowal.	18 km Line Length DC on DC/ 420 sq mm ACSR (Zebra) Conductor	13.75	FY 2018-19	-	-	-	-	2.00	6.98	12.40	5.11	2.00
144	220 kV S/Stn Alawalpur	Addl. 2nd 100 MVA, 220/66 kV T/F	7.21	FY 2018-19	-	-	-	-	2.33	0.10	4.88	2.31	5.00
145	220 kV S/Stn Maur	Addl. 100MVA, 220/66 kV T/F	7.21	FY 2018-19	-	-	-	-	2.33	0.30	4.88	7.36	-
146	220 kV Sahnewal	Repl. of 100 MVA with 160 MVA, 220/66 kV T/F	8.81	FY 2018-19	-	-	-	-	1.29	8.00	7.52	0.81	-
147	220 kV S/Stn Kharar	Repl. of (16/20+20) MVA, 132/11 kV with 2x20 MVA, 66/11 kV T/F	4.07	FY 2018-19	-	-	-	-	2.44	1.83	1.63	-	-
148	220 kV S/Stn Lalru	Repl. of 1x100 MVA, 220/66 kV T/F with 1x160 MVA, 220/66 kV T/F	8.81	FY 2018-19	-	-	-	-	1.29	7.52	7.52	-	-
149	220 kV S/Stn Tibber	Addl. 2nd 100 MVA, 220/66 kV T/F	7.01	FY 2018-19	-	-	-	-	2.33	2.10	4.68	5.11	-
150	220 kV S/Stn Udhoke	Addl. 2nd 160 MVA, 220/66 kV T/F	9.84	FY 2018-19	-	-	-	-	1.94	0.10	7.90	9.94	-
151	220 kV S/Stn Hoshiarpur	Addl. 2nd 160 MVA, 220/66 kV T/F	9.84	FY 2018-19	-	-	-	-	1.90	0.10	7.94	9.94	-
152	Aug/Strengthening of bus bars	----											
153	Extension in Switchyard buildings, Provision for AC etc.	----											
154	Provision for Reactive Compensation	----	44.85	FY 2018-19		15.740	-	18.54	17.00	19.96		9.31	

155	Addition of bays/system strengthening required on account of RE generation	----											
156	Partial Discharge Set	P&M Organization work	0.50	FY 2018-19	-	-	-	-	0.50	-	-	-	-
157	132 kV Moga-II (Dhalleke)	Replacement of 1 x 12.5 MVA, 132/11 kV T/F with 1x20 MVA, 132/11 kV T/F	0.30	-	-	-	-	-	0.30	0.52	-	-	-
158	132 kV Arson	Replacement of 1 x 12.5 MVA, 132/11 kV T/F (T-3) with 1x20 MVA,132/11 kV T/F	0.30	-	-	-	-	1.46	0.30	-	-	-	-
159	220 kV Sunam	1 No. 66 kV O/G line bay for 66 kV Sub-Station Sheran (CKT.II)	0.39	-	-	-	-	-	0.39	0.41	-	-	-
160	220 kV Banga	1 No. 66 kV O/G line bay for 66 kV Sub-Station Moonak (CKT.II)	0.39	-	-	-	-	-	0.39	0.41	-	-	-
161	220 kV Jamsher	Augmentation of existing 220 kV twin zebra Double Bus- Bar Conductor with quadruple zebra double bus bar conductor	0.90	-	-	-	-	-	0.90	0.90	-	-	-
162	220 kV Kotla Jangan	Augmentation of existing 220 kV twin zebra Single Bus- Bar Conductor with quadruple zebra Single bus bar conductor	0.50	-	-	-	-	-	0.50	0.50	-	-	-
163	132 kV Samadh Bhai	Construction of a new Switch House Building at a new raised level	1.15	-	-	-	-	-	1.15	0.50	-	0.70	-
164	132 kV Pathankot	Construction of a new control- room building by replacing old control - room building	1.15	-	-	-	-	-	1.15	0.60	-	0.60	-
165	220 kV Mohali	1 no O/G Bay for 66 kV Sub- Station Phase 8-B Mohali ckt II	0.39	-	-	-	-	-	0.39	0.39	-	-	-
Sub Total (D)			127.37	-	-	15.74	-	20.00	40.82	51.21	59.35	51.19	7.00
E.	New works planned for FY 2019-20												
166	220 kV S/Stn Bhawanigarh	Addl. 2nd 100 MVA, 220/66 kV T/F	7.44	FY 2019-20	-	-	-	-	-	-	4.33	4.53	3.11
167	220 kV S/Stn Jadla	Addl. 2nd 100MVA, 220/66 kV T/F	7.44	FY 2019-20	-	-	-	-	-	-	4.33	6.25	1.44
168	220 kV S/Stn Botianwala (Thatha Sahib)	Addl. 3rd 160 MVA, 220/66 kV T/F	10.10	FY 2019-20	-	-	-	-	-	-	5.90	7.35	3.00
169	220 kV S/Stn Majitha	Addl. 2nd 100 MVA, 220/66 kV T/F	7.44	FY 2019-20	-	-	-	-	-	-	4.33	8.25	3.11
170	132 kV S/Stn Pathankot	Repl. of 1x12.5/16 MVA, 132/66-33 kV T/F with 1x20/25 MVA, 132/66 kV T/F	0.21	FY 2019-20	-	-	-	-	-	-	0.21	0.63	-
171	132 kV IGC, Bathinda	Repl. of 1x25 MVA, 132/66 kV T/F with 1x50 MVA, 132/66 kV T/F	0.18	FY 2019-20	-	-	-	-	-	0.50	0.18	0.02	-
172	Aug/Strengthening of bus bars	----											
173	Extension in Switchyard buildings, Provision for AC etc.	----											
174	Provision for Reactive Compensation	----	27.20	FY 2019-20			-	0.00	0.00	4.94	17.00	21.24	0.00

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175	Addition of bays/system strengthening required on account of RE generation	----											
176	Replacement of Existing conductor of 220 kV Mohali-I - Mohali-II line	13 km Line Length / with suitable HTLS conductor (with min 1200 A rating)	26.96	FY 2019-20	-	-	-	-	-	-	1.00	7.00	20.96
177	220 kV S/Stn Fazilka (U/G from 66 kV)	1x160 MVA, 220/66 kV T/F	17.80	FY 2019-20	-	-	-	-	-	-	1.00	2.00	17.80
178	400 kV S/Stn Mukatsar - 220 kV S/Stn Fazilka 220 kV DC line	25 km Line Length / 520 sq mm ACSR (Moose)	22.47	FY 2019-20	-	-	-	-	-	-	1.00	2.00	21.47
179	220 kV Bays	4 Nos.	5.28	FY 2019-20	-	-	-	-	-	-	0.50	1.10	4.78
180	220 kV DC line from 400 kV Jalandhar (PGCIL) to 220 kV Kartarpur	Augmentation of existing conductor of both circuits with HTLS conductor of min 1200 A capacity	36.01	FY 2019-20	-	-	-	-	-	-	5.01	10.02	31.00
181	High End Thermo-vision Cameras	P&M Organization work	0.70	FY 2019-20	-	-	-	-	-	-	0.70	0.70	-
182	Un-foreseen emergency works		11.33	FY 2017-18	-	10.88	-	9.49	5.00	11.25	5.00	5.80	5.00
SubTotal (E)			180.56		-	10.88	-	9.49	5.00	16.69	50.49	76.89	111.67
Grand Total A+B+C+D+E			1,470.96		82.60	451.89	328.29	318.84	248.01	298.39	202.49	388.55	349.87
CATEGORY 3													
183	132 KV S/S Faridkot -Kotkapura	2no. 132 kV line bays (one at each end)	1.00							-		1.00	
	132 KV S/S Sihora-She	2no. 132 kV line bays (one at each end)	1.00							-		1.00	
184	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		25.00								-	7.00	18.00
185	1. 132 kV Faridkot - Kotkapur-2 SC link (Amendment no. 16 / 2018-19)	132 kV SC line on DC towers (appx. length = 30 KM) Conductor size = 0.2sq"	10.43							0.10		5.33	5.00
		2no. 132 kV line bays (one at each end)	1.00							-			
	2. 132 kV Sihora-132 kV Seh SC line (Amendment no. 16 / 2018-19)	132 kV SC line on DC towers - (appx. length = 31 KM) Conductor size = 0.2sq"	10.78							0.10		5.68	5.00
		2no. 132 kV line bays (one at each end)	1.00										
186	Termination of direct link 220 KV between Lalton Kalan Sahnewal (Amendment no. 18 / 2018-19)	In order to have 400KV PGCIL Ludhiana-220 KV Sahnewal as D/C termination shall be done at terminal tower at 220 KV Lalton Kalan end. Thus joining the point AB through jumpering arrangement.	0.02									0.01	0.01
	400KV, 200MW Permanent Power to Guru Gobind Singh Polymer Addition Project- HPCL Mittal Energy Limited.	Creation of Proposed 400KV Sub-Station Malkana with 2x500MVA, 400/220KV ICTs for PSTCL	29.00									1.00	28.00

187		a) LILO of 2nd Circuit of 400KV Talwandi Sabo - Nakodar D/C Line at proposed 400KV Malkana (Talwandi Sabo- Nakodar is a 400KV DC Line with LILO of 1 circuit at 400KV Moga(PGCIL) S/Stn. [LILO Length (approx. 10KM)]	15.00									1.00	14.00
		b) 6 Nos. of 220KV Transmission Line for PSTCL (Future as detailed below)											
		i) LILO of 220KV GNDTP - GHTP DC line at 400KV Sub-Station (220KV Bus), (0.4 Sq" Conductor) [LILO length = 25 Km (Approx.)]	19.10									1.00	18.10
		[220KV Bays 4 No.]	5.32									0.50	4.82
		ii) 220KV Badal - 400KV S/stn. Malkana (proposed) (220KV Bus) D/C LINE having conductor size 0.4 Sq" Line Length = 30KM Approx.	22.92									1.00	21.92
		[220KV Bays 4 No.](i.e. 2 bays at each end)	5.32									0.50	4.82
		a)1x500MVA, 400/220KV ICT (for future)	14.50									1.00	13.50
		b)400KV bays = 2 No. (for future)	7.50									0.50	7.00
		c)220KV bays = 2 No. (for future)	5.32									0.50	4.82
188	LILO of one ckt. of 220KV S/S Jamalpur - 220KV S/S Dhandari Kalan at 220KV S/Stn. Sherpur including 2 No. 220KV bays	13Km/420mm2 ACSR Zebra	8.95									1.00	7.95
189	Automation of 220KV Sub-Stations(23 Siub-Stations out of 90) (Total Cost of Project = 92 Crore)		28.00									5.00	23.00
190	Digitailization of 1 No. S/Stn. Of 220KV Passiana		1.10									0.50	0.60
191	2nd Source of Battery 31 No. Balance 220KV S/Stn. And 49 No. Balance 132KV S/Stn.		4.50									2.50	2.00
192	Solar System on Roof Tops of 39 No. S/stn. (1599KW) based on capacity consumption		8.70									3.00	5.70
193	OPGW New Project 2200KW being done on CAPEX Route		33.00									10.00	23.00
194	220KV S/Stn Nawanpind Aug. of Existing 66KV S/Stn. AIS		15.00									4.00	11.00
195	220KV S/Stn Dhaleke Aug. of Existing 132KV S/Stn. GIS		30.00									5.00	25.00
196	220KV S/Stn BEAS Aug. of Existing 132KV S/Stn. AIS		15.00									10.00	5.00

197	220KV S/Stn Old Patiala Aug. of Existing 66KV S/Stn. AIS		15.00									5.00	10.00
198	220KV S/Stn Kohara Aug. of 100MVA, 220/66KV T/F to 160MVA 220/66KV T/F		8.81									8.81	
SubTotal Category 3)			342.27	-	-	-	-	-	-	0.20	-	81.83	258.24
Grand Total A+B+C+D+E+ Category 3 Works			1,813.23		82.60	451.89	328.29	318.84	248.01	298.59	202.49	470.38	608.11
CATEGORY 4 WORKS													
199	220 KV Bus Cuplar Bay at 220 KV S/S Mansa		0.75			0.59		0.02		0.14			
200	Aug. 100MVA with 160MVA 220/66KV T/F at 220kV Himmatpura		8.17			7.92		0.09		-			
201	R/o Dam 100MVA 220/66kV with same cap. At 220kV Dhandari Kalan		4.89			5.33		0.03		(0.01)			
202	E/o 2nd 220 KV B/B & allied Equipment at 220 KV S/S Lalru		1.17			0.13		0.01		-			
203	Prov. 220 KV Bus Coupler bay at 220KV Talwandi Bhai		1.02			-		-		0.30		0.72	
204	Prov. 220 KV Bus Coupler bay at 220KV Talwandi Sabo		1.02			-		-		0.30		0.72	
205	Prov. 220 KV Bus Coupler bay at 220KV Sandhaw		1.02			-		-		0.30		0.72	
206	Prov. 220 KV Bus Coupler bay at 220KV Dharmkot		1.02			-		-		0.30		0.72	
207	2 No. 220 KV PGCIL Kotlajanagn		3.63			-		-		3.63			
208	2 No. bay for Makhu at 220 KV S/S Algon Kothi		2.07			0.90		-		-		1.17	
209	2 No. bay for Makhu at 220 KV S/S Rashiana		1.64			0.11		-		-		1.53	
210	New link to connect 132 KV S/stn Dharmkot to 132 KV S/Stn Dhaleke					0.96		0.09		0.38			
211	Talwandi Sabo Power Project							3.85					
212	220KV Nabha - Bhawanigarh Line (1st circuit - SC on DC Towers)							0.86					
213	220KV Lalton - Jagraon Line (Restoration of Supply)							0.14					
214	Shifting of bus bar at 22- kv Rajpura							0.06					
215	Additional Civil Works at 400KV Rajpura Sub-Station							2.27					
216	400KV DC Line From Nakodar to Makhu Line							1.04					
217	Replacement of Conductor of 132 KV Batala-Verka Line							-					
218	Shifting of 132 KV Sarna-Pathankot Line At 220 KV S/S Sarna							-					
219	220KV RSD - Sarna Line Circuit 5 & 6							0.70					

220	Break Down of Bala Chak to Khassa line							-					
221	220KV Ladowal to Gonsgarh line							-					
222	220 KV Sarna - Kotali Surat Malli Line							-					
223	Strengthning of 132KV Verpal to Taran Taran line							0.26					
224	132 KV Mahalpur Hoshiarpur Line							0.04					
225	Shifting of 400KV Makhu Amritsar Line							5.55					
226	220 KV Bala Chack to Naraingarh							0.20					
227	220KV Kanjli - Science City Line							0.24					
228	220 KV Line Goindwal Sahib To chohla sahib							0.08					
229	LILO Of 220 KV Jamsher Sultanpur Line At 220 Kv SUB Station Badsha pur							0.06					
230	LILO Of 220 KV Line From Sultanpur to Patti For Chohla Sahib							0.07					
231	LILO of 220KV RSD Sarna line at Shahpur Kandi							0.01					
232	220KV Nakodar Kartarpur							0.08					
233	Shifting of 132KV Dhilwan-Butari Line at NH							0.08					
234	Lilo of 132KV Jalandhar-Kapurthala line at PIMS Jalandhar							0.24					
235	Modification of 220KV Verpal-Patti Line T. NO. 44 to 46 at KM 44.530							0.22					
236	Shifting of 132KV Jalandhar-Butari Line From NH at KM 423.100, Shifting of 132KV Butari-Tarn Taran Line from NH at KM 44.100 AND Shifting of 220KV Verpal-Wadala Granthian Line from NH at KM 455.900							0.22					
237	Shifting of 132KV SC Line from 220KV Civil Lines Amritsar to 132KV S/S Power colony Amritsar at KM 460.882							0.15					
238	Shifting of 132KV Nakodar-Kotla Janga Line at NH 71 T. No. 89-92							0.36					
239	Shifting of 132KV Batala-Verka 132KV Verka Jandiala and 132KV Verka Mall Mandi Line							1.48					
240	Shifting of 132KV Verpal Naraingarh Line form War Memorial Meusium Amritsar							1.55					
241	Shifting of 132KV Line from Mahalpur-Hoshiarpur Line T. No. 55 in the Land of Sh. Onkar Nath							0.15					

242	Shifting of 132KV Butari-Tarn Taran Line from Amritsar Naushera Bye Pass at KM 124.400							0.22					
243	132kv Khera Mandir to RCF							0.91					
244	Shifting of 220KV Verpal Patti Line from Amritsar Naushera Bye Pass at KM 126.600							0.39					
245	Shifting of 220KV Nakodar Rehana Jattan Line in the land of Sh. Nasib Chand							0.12					
246	220KV Sarna - Sujanpur Line							8.95					
247	Shifting of 132KV Civil Lines Amritsar to Naraingarh Line in the land of M/S Elite Country Developer							0.07					
248	Shifting of LILO of 220KV Jamsher-Sultanpur at Badshahpur Line in the Land of Sh. Harjit Singh							0.25					
249	Providing clearance to Bye Pass Road Gurdaspur between T. No. 85,86 & 87 of 220KV Sarna-Wadala Granthian Line							0.08					
250	Shifting of 132KV Bhogpur-Hoshiarpur Line T. No. 6&7							0.09					
251	Shifting of 132KV Sultanpur Patii Line T. No. 89 to 92 from Amritsar Bathinda Sec.							0.29					
252	Rep of conductor of 220KV Bala Chak to Khassa line							0.63					
253	Other Works of Planning and Communication Circle							1.49					
SubTotal Category 4)			26.40	-	-	15.94	-	33.67	-	5.34	-	5.58	-
Grand Total A+B+C+D+E+ Category 3 & 4 Works			1,839.63		82.60	467.83	328.29	352.51	248.01	303.93	202.49	475.96	608.11
CATEGORY 2A - CONTRIBUTORY WORKS													
254	Raising of 132KV Jamalpur Goraya Philour lines in land of Sabzi Mandi Ldh							0.09					
255	Raising of 132 KV Ropar Kharar Line at NH 21 Km 39.150							0.12					
256	Shifting 132KV Ropar Kharar Line Due to const. of Bye Pass Ropar near power colony							0.11					
257	Raising of 132 KV ASRON to M/S Ranbaxy & DSM due to const. of 4 Laning NWSSR Bangan Section							0.16					
258	132 KV line from Asron to M/s Swaraj Majda							1.01					

259	Raising of 132 KV Ropar Ghulal line from the site of Theme Park at Chamkaur Sahib							0.12					
260	Survey of Shif of 220 KV at Ghaggar Rly. Station on Dapper Chd. (Ambala)							0.50					
261	Shifting & rerouting of 220 KV RTP-Mohali line from the land of Gamada near Vill. Ballo Majra.							0.63					
262	Shifting & rerouting of 220 KV Mohali Derabassi line Aerocity Gamada							2.65					
263	Shift. Of 220 KV Mohali Derabassi line due to crossing of New Rly. Ludhiana Chandigarh line near.vill. Chilla							0.43					
264	Shif. Of 220 KV line passing th' approved Super Mega Mixed use integrated industrial park sector-66 A, 82 & 83 Mohali 220 kv Janta Land & Promoters Ltd							0.49					
265	Shifting & rerouting of 220 KV Mohali Derabassi line from road NH 64 & 22							0.18					
266	Raising of TL-41 of 220KV Lalton-Pakhowal Line							0.04					
267	Shif. Of 220 KV Rajpura Lalru from Peninsula Township Dev. Sec-9C Chd.							0.52					
268	Shifting of 220KV Mohali Rajpura Line from premises of TDI Mohali							0.60					
269	220 kv WWICS Estates Pvt. Ltd. A-12 Ph-6 mohali (rajpura Mohali shifting)							0.07					
270	Raising of 220KV Mohali Rajpura Line RLY DW							0.44					
271	Shifting of 220 KV RTP-GBR ckt 3&4 at Mandi G.Gah Km 56.145							0.27					
272	Raising of 220 KV Ganguwal Gobindgarh Morinda Ludhiana Section Km 57.350							0.27					
273	Shiftng of 220KV RTP-GBR Ckt No.1 & 2 for M/s Dedicated frieght corridor corp. Of India Ltd. Ambala Cantt							0.56					
	TOTAL		-	-	-	-	-	9.27	-	-	-	-	-
274	Shiftng of 220KV RTP-GBR Ckt No.1 & 2 for M/s Dedicated frieght corridor corp. Of India Ltd. Ambala Cantt							0.56					

275	HAMIR REAL ESTATE BAY AT PHASE-7 Mohali							0.35					
276	BAJWA DEVELOPERS BAY AT PHASE - 7 Mohali							0.04					
277	Denim (Oswal)bay at Lalru							0.30					
278	Ansal Plaza bay at Kharar							0.06					
279	Guru Gobind Singh Refinery bay at Mansa							1.44					
280	Madhav Alloys bay at Amloh							0.21					
281	khalsa Haritage bay at Anandpur Sahib							0.12					
282	Kudos Chamicals bay at DeraBassi							0.34					
283	swrag Engine bay at Sec 80 Mohali							0.23					
284	2 No. 22KV Bays for Airport at Banur							0.53					
	TOTAL		-	-	-	-	-	4.18	-	-	-	-	-
285	132KV PIMS							2.14					
286	66/132KV Science City							1.70					
287	2 No. Bays at Dasuya							0.43					
288	Mahavir Spinning Mill at 132KV Hoshiarpur							0.17					
289	66KV Bay for ITC at 220KV Kanjli							0.26					
290	220KV Sarna Bay at 220KV Dasuya							0.37					
291	66kV GNA AXLE LIMITED at Rehana - Jattan							0.47					
292	66KV Bay for ITC at Kanjli							0.00					
	TOTAL		-		-	-	-	5.54	-	-	-	-	-
293	66kV for Bhiwani Cotton Mills at 132kV S/S Abohar							0.06					
294	66kV Bay for Malwa Cotton Mills at 220kV S/S Barnala							0.10					
295	66kV Bay for Varinder Agro Chemicals at 220kV S/S Barnala							0.07					
296	66kV Bay for MES Fzr. At 220kV S/S Ferozpur							0.06					
297	66kV Bay for Vardhman Polytax at 132kV IGC Bathinda							0.19					
298	33/66kV Bay for FSL at 132kV S/S Moga							0.15					
299	Northern Railway Track at 220kV S/S Sahnewal							2.06					
300	66kV Bay for Malerkotla Steel Mills at 220kV S/S Malerkotla							0.08					
301	132kV Bay for Universal Bio-Mass Energy Ltd. Channu at 132kV S/S Gidderbaha							0.29					
302	1no. O/G Bay for Railway Traction S/S Maisar Khana at 220kV Talwandi Sabo							0.71					
	TOTAL		-	-	-	-	-	3.79	-	-	-	-	-

SubTotal Category 2 A			-	-	-	-	-	22.77	-	-	-	-	-
Grand Total A+B+C+D+E+ Category 3, 4 & 2A Works			1,839.63		82.60	467.83	328.29	375.28	248.01	303.93	202.49	475.96	608.11
P&M ORGANISATION WORKS													
303	To modernise the hotline work by use of diagnostic techniques to decrease the outage in transmission system of PSTCL	P&M Organization work										13.00	
304	TO provide SAS based DRs and Els at six 220 kV substations as per requirements of IEGC and SGC snd comply with 3rd party protection audit by CPRI	P&M Organization work										3.50	
305	To provide DRs and Els in 220 kV substation of PSTCL to comply with IEGC, SGC and 3rd party protection audit by CPRI	P&M Organization work										16.50	
306	To procure testing equipment to check healthiness of OPGW chnnnels and Ethernet switch network in substation autmation	P&M Organization work										0.35	
Sub Total P&M Organizsation Works			-		-	-	-	-	-	-	-	33.35	-
Grand Total A+B+C+D+E+ Category 3, 4 & 2A Works + P&M Organisation Works			1,839.63		82.60	467.83	328.29	375.28	248.01	303.93	202.49	509.31	608.11

Annexure III: Audited Accounts for FY 2017-18

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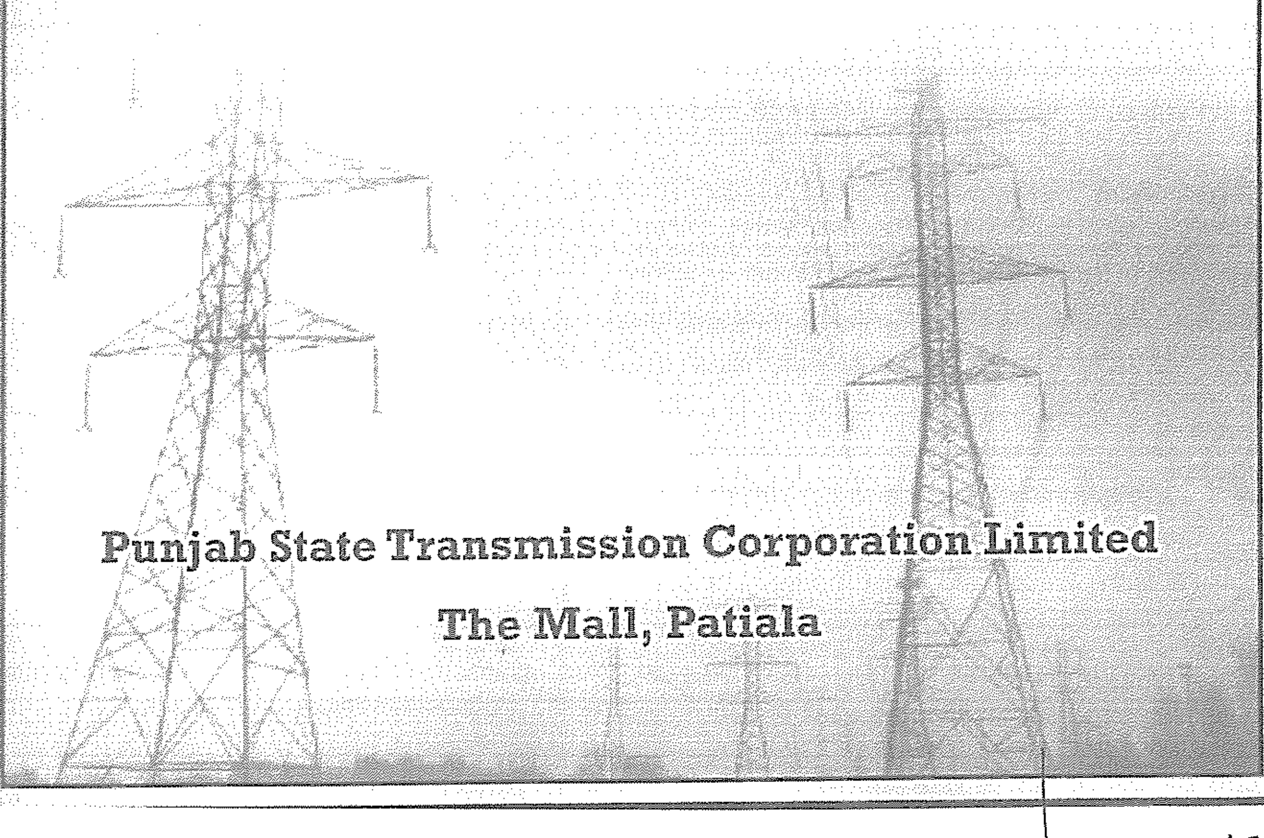
PUNJAB STATE TRANSMISSION CORPORATION LIMITED

FINANCIAL STATEMENTS
FY 2017-18



Punjab State Transmission Corporation Limited

The Mall, Patiala

Rajiv Goel Associates
CHARTERED ACCOUNTANTS

179, Bank Road, Ambala Cantt.
Tel. : 0171-4003607
Email : rgaca91@gmail.com
Web : www.rgaca.in

INDEPENDENT AUDITOR'S REPORT

To,

The Members,
Punjab State Transmission Corporation Limited
Patiala.

Sub: Statutory Audit Report for the year ending 31.3.2018.

Report on the Financial Statement

We have audited the accompanying Ind AS financial statements of **PUNJAB STATE TRANSMISSION CORPORATION LIMITED, PATIALA** ("the Company"), which comprise the Balance Sheet as at March 31, 2018, and the Statement of Profit and Loss (including other comprehensive income), the statement of Cash Flow and the statement of changes in Equity for the year then ended, and a summary of significant accounting policies and other explanatory information (herein after referred to as "Ind AS financial statements").

Management's Responsibility for the Financial Statements

The Company's Board of Directors is responsible for the matters stated in Section 134(5) of the Companies Act, 2013 ("the Act") with respect to the preparation and presentation of these Ind AS financial statements that give a true and fair view of the financial position, financial performance including other comprehensive income, cash flows and changes in equity of the Company in accordance with the accounting principles generally accepted in India, including the Accounting Standards ("Ind AS") specified under Section 133 of the Act, read with rule 7 of Companies (Accounts) Rules, 2014 and the Companies (Indian Accounting Standards) Rules, 2015 as amended.

This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Act for safeguarding the assets of the Company and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating

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effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the Ind AS financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on Ind AS financial statements based on our audit. We have taken into account the provisions of the Act, the accounting and auditing standards and matters which are required to be included in the audit report under the provisions of the Act and the Rules made thereunder. We conducted our audit in accordance with the Standards on Auditing specified under Section 143(10) of the Act. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether Ind AS financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in Ind AS financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of Ind AS financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal financial control relevant to the Company's preparation of Ind AS financial statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on whether the Company has in place an adequate internal financial controls system over financial reporting and the operating effectiveness of such controls. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by the Company's Directors, as well as evaluating the overall presentation of the Ind AS financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our qualified audit opinion on Ind AS financial statements.

Qualified Opinion

In our opinion and to the best of our information and according to the explanations given to us, except for the possible effects of the items 1 to 5 described in Annexure-1 attached herewith, the aforesaid Ind AS financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally

RAJIV GOEL & ASSOCIATES AMBALA CANTT

accepted in India, of the state of affairs of the Company as at 31st March 2018, its financial performance including other comprehensive income, its cash flows and the changes in equity for the year ended on that date.

Report on Other Legal and Regulatory Requirements:

1. As required by the Companies (Auditor's Report) Order, 2016 ("the Order"), issued by the Central Government of India in terms of sub-section (11) of Section143 of the Act, we give in the "Annexure A" a statement on the matters specified in paragraphs 3 and 4 of the Order.

2. In terms of sub section 5 of section 143 of the Companies Act 2013, we give in the **"Annexure B"** a statement on the directions issued under the aforesaid section by the comptroller and auditor general of India.

3. As required by Section 143(3) of the Act, we report that:

   a) We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit;

   b) In our opinion proper books of account as required by law have been kept by the Company so far as it appears from our examination of those books;

   c) The Balance Sheet, the Statement of Profit and Loss (including other comprehensive income), the statement of Cash Flow and the statement of changes in equity dealt with by this Report are in agreement with the books of account.

   d) In our opinion, except for the possible effects of the items 1 to 5 described in Annexure-1 attached herewith, the aforesaid Ind AS financial statements comply with the Accounting Standards specified under Section 133 of the Act, read with the Companies (Indian Accounting Standards) Rules, 2015 as amended;

   e) In view of exemption given vide notification no. G.S.R. 463 (E) dated June 5, 2015 issued by Ministry of Corporate Affairs, provisions of Section 164(2) of the Act regarding disqualification of Directors, are not applicable to the company.

   f) With respect to the adequacy of the internal financial controls over financial reporting of the Company and the operating effectiveness of such controls, refer to our separate Report in **"Annexure C"**.

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g) With respect to other matters to be included in the Auditor's Report in accordance with Rule 11 of the Companies (Audit and Auditors) Rules, 2014, in our opinion and to the best of our information and according to the explanations given to us;

i. The Company does not have any pending litigations which would impact its Ind AS financial Position.

ii. The Company did not have any long-term contracts including derivative contracts; as such the question of commenting on any material foreseeable losses thereon does not arise.

iii. There were no amounts which were required to be transferred to the Investor Education and Protection Fund by the company.

For M/S RAJIV GOEL & ASSOCIATES
Chartered Accountants

RAJIV GOEL & ASSOCIATES CA AMBALA CANTT

CA. Rohit Goel
Partner
FRN 011106N
M. No. 091756

Place: Patiala
Date: 14.09.2018

"ANNEXURE-A"TO THE AUDITORS' REPORT

Referred to in our Report of even date:

1.

a. The company is maintaining proper records showing full particulars including Quantitative details and situation of fixed assets except for the fixed assets transferred on 16/04/2010 pursuant to the transfer scheme notified by the State Government which is in process. *However no distinctive mark / specification number has been marked on Fixed Assets.*

Further, submitted that the capital loans have been availed by PSTCL from banks/financial institutions secured against hypothecation of future assets. Hence capital assets created out of capital loans being availed from banks/financial institutions are not free from encumbrances.

b. As per information and explanation given fixed assets have been physically verified by the management during the year but no records of such verification has been produced before us. In the absence of detail we are unable to verify the reasonableness and frequency of physical verification commensurate to size and nature of its fixed assets. According to the information and explanations given to us, no material discrepancies were noticed on such verification.

c. As informed to us, the title deeds of immovable properties procured before 16.04.2010 are not mutated in the name of the company but the ownership of which accrues to company by operation of law through Transfer scheme notified by Punjab Government on 24.12.2012. The said title deeds are available with PSPCL (as the Estate office of erstwhile PSEB which is now functioning under PSPCL after unbundling and is the custodian of such title deeds).

Further, title deeds of immovable properties acquired by the company after 16.04.2010 are either in the name of the company or on operating lease from different Panchayats, agreements of which are available with the company.

2. The management has conducted the physical verification of inventory at reasonable intervals. The discrepancies noticed have been properly dealt with in the books of accounts.

RAJIV GOEL & ASSOCIATES CA AMBALA CANTT

3. The company has not granted any loans, secured or unsecured to any companies, firms or other parties covered in the register maintained under section 189 of the Companies Act, 2013. Accordingly, the provisions of clause 3 (iii) (a) to (c) of the Order are not applicable to the Company.

4. In our opinion and according to the information and explanations given to us, there are no loans, investments, guarantees, and securities granted in respect of which provisions of Section 185 and 186 of the Companies Act, 2013 are applicable and hence not commented upon.

5. The Company has not accepted any deposits from the public covered under Section 73 to 76 or any other relevant provisions of the Companies Act and the rules framed there under.

6. As informed to us, the company has maintained Cost records prescribed by the Central Government under sub section (1) of section 148 of the Act. However, the cost records are audited by cost auditor; therefore we have not made detailed examination of the records with a view to determine whether they are accurate and complete.

7.

   a. According to information and explanations given to us and on the basis of our examination of the books of account, and records, the Company has been generally regular in depositing undisputed statutory dues including Provident Fund, Employees State Insurance, Income-Tax, Sales tax, Service Tax, GST, Duty of Customs, Duty of Excise, Value added Tax, Cess and any other statutory dues with the appropriate authorities. According to the information and explanations given to us, no undisputed amounts payable in respect of the above were in arrears as at March 31, 2018 for a period of more than six months from the date on when they become payable except for the *TDS defaults of Rs. 8,51,114/- reflecting under Form 26AS as on 07.09.2018 and Bonus default of Rs. 5,32,349/-.*

   b. According to the information and explanation given to us, there are no dues of income tax, sales tax, service tax, GST, duty of customs, duty of excise, value added tax outstanding on account of any dispute.

RAJIV GOEL & ASSOCIATES
CA
AMBALA CANTT

8. In our opinion and according to the information and explanations given to us the company has not defaulted in repayment of dues to financial institutions, banks or debenture holders.

9. The company has not raised any money by way of initial public offer or further public offer. According to the information and explanation given to us, the money raised by way of debt instruments and term Loans have been applied for the purpose of which they were obtained.

10. Based upon the audit procedures performed and the information and explanations given by the management, we report that no fraud by the Company or on the company by its officers or employees has been noticed or reported during the year.

11. As per notification no. GSR 463(E) dated 5th June 2015 issued by the Ministry of Corporate Affairs, Government of India, and Section 197 is not applicable to the Government Companies. Accordingly, provisions of clause 3(xi) of the Order are not applicable to the Company.

12. The Company is not a Nidhi Company. Therefore, reporting under clause 3(xii) of the Order are not applicable to the Company.

13. In our opinion, all transactions with the related parties are in compliance with Section 177 and 188 of Companies Act, 2013 and the details have been disclosed in the Financial Statements as required by the applicable Indian accounting standards.

14. Based upon our examination of the records of the company and according to the information and explanations given to us by the management, the company has not made any preferential allotment or private placement of shares or fully or partly convertible debentures during the year under review. Accordingly, the provisions of clause 3 (xiv) of the Order are not applicable to the Company.

15. Based upon our examination of the records of the company and according to the information and explanations given to us by the management, the company has not entered into any non-cash transactions with directors or persons connected with him.

RAJIV GOEL & ASSOCIATES
CA
AMBALA CANTT

16. In our opinion, the company is not required to be registered under section 45 IA of the Reserve Bank of India Act, 1934 and accordingly, the provisions of clause 3 (xvi) of the Order are not applicable to the company.

For M/s RAJIV GOEL & ASSOCIATES
Chartered Accountants

RAJIV GOEL & ASSOCIATES
CA
AMBALA CANTT

Place: Patiala
Date: 14.09.2018

CA. Rohit Goel
Partner
FRN 011106N
M. No. 091756

Annexure-B" to the Independent Auditor's Report

Sr. No.	Directions	Reply
1	Whether the company has clear title/lease deeds for freehold and leasehold respectively? If not please state the area of freehold and leasehold land for which title lease deeds are not available?	As informed to us, the title deeds of immovable properties procured before 16.04.2010 are not in the name of the company but the ownership of which accrues to company by operation of law through Transfer scheme notified by Punjab Government on 24.12.2012. The said title deeds are available with PSPCL (as the Estate office of erstwhile PSEB which is now functioning under PSPCL after unbundling and is the custodian of such title deeds). Further, title deeds of immovable properties acquired by the company after 16.04.2010 are either in the name of the company or are on operating lease from different Panchayats, agreements of which are available with the company.
2	Whether there are any cases of waiver/write off of debts/loans/interest etc., if yes, the reasons thereof and the amount involved.	There is no case of waiver/write off of debts/loans/interest etc.
3	Whether proper records are maintained for inventories lying with third parties & assets received as gift/grant(s) from Govt. or other authorities.	No inventories are lying with the third parties & no assets have been received as gift/grant(s) from Govt. or other authorities.
4	Is the system of evacuation of power commensurate with power available for transmission with the generating company? If not, loss,if any, claimed by the generating company may be provided/commented.	As informed to us, PSTCL has commissioned adequate transmission capacity to evacuate the power from generating stations including those which are drawn from outside of the state/northern grid. There has been no claim of loss against PSTCL from any generating company.
5	How much transmission loss in excess of prescribed norms has been incurred during the year and whether the same been properly accounted for in the	The transmission loss from April 2017 to March 2018 is 3.118% However, PSERC has allowed a transmission loss of 2.5% in the Tariff Order of FY

RAJAN GOEL & ASSOCIATES
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AMBALA CANTT

	books of accounts?	2017-18. (The company has claimed that even otherwise, the difference between actual loss and the loss approved by the commission is not required to be accounted for in the books of accounts as the corporation has recovered its transmission charges in full as approved by PSERC on transmission capacity basis.)
6	Whether the assets constructed and completed on behalf of other agencies and handed over to them has been properly accounted for in the financial statements?	Yes, However, the amount outstanding as on 31.03.2018 under the head "Receipts for Deposit Work" Rs. 22,65,342/- and under "Receipts for Contribution Work" Rs. 27,12,06,319/- are against the assets constructed/being constructed on behalf of other agencies.

For M/S RAJIV GOEL & ASSOCIATES
Chartered Accountants

GOEL & ASSOCIATES RAJIV AMBALA CANTT CA

Place: Patiala
Date: 14.09.2018

CA. Rohit Goel
Partner
FRN 011106N
M. No. 091756

"Annexure C" to the Independent Auditor's Report

Report on the Internal Financial Controls under Clause (i) of Sub-section 3 of Section 143 of the Companies Act, 2013 ("the Act")

We have audited the internal financial controls over financial reporting of PUNJAB STATE TRANSMISSION CORPORATION LIMITED, PATIALA ("the Company") as on March 31, 2018 in conjunction with our audit of the financial statements of the Company for the year ended on that date.

Management's Responsibility for Internal Financial Controls

The Company's management is responsible for establishing and maintaining internal financial controls based on the internal control over financial reporting criteria established by the Company considering the essential components of internal control stated in the Guidance Note on Audit of Internal Financial Controls over Financial Reporting issued by the Institute of Chartered Accountants of India. These responsibilities include the design, implementation and maintenance of adequate internal financial controls that were operating effectively for ensuring the orderly and efficient conduct of its business, including adherence to company's policies, the safeguarding of its assets, the prevention and detection of frauds and errors, the accuracy and completeness of the accounting records, and the timely preparation of reliable financial information, as required under the Companies Act, 2013.

Auditors' Responsibility

Our responsibility is to express an opinion on the Company's internal financial controls over financial reporting based on our audit. We conducted our audit in accordance with the Guidance Note on Audit of Internal Financial Controls Over Financial Reporting (the "Guidance Note") and the Standards on Auditing, issued by ICAI and deemed to be prescribed under section 143(10) of the Companies Act, 2013, to the extent applicable to an audit of internal financial controls, both applicable to an audit of Internal Financial Controls and, both issued by the Institute of Chartered Accountants of India. Those Standards and the Guidance Note require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether adequate internal financial controls over financial reporting was established and maintained and if such controls operated effectively in all material respects.

RAJIV GOEL & ASSOCIATES CA AMBALA CANTT

Our audit involves performing procedures to obtain audit evidence about the adequacy of the internal financial controls system over financial reporting and their operating effectiveness. Our audit of internal financial controls over financial reporting included obtaining an understanding of internal financial controls over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the Ind AS financial statements, whether due to fraud or error.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the Company's internal financial controls system over financial reporting.

Meaning of Internal Financial Controls over Financial Reporting

A company's internal financial control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal financial control over financial reporting includes those policies and procedures that:

(1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company;

(2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and

(3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the Ind AS financial statements.

Inherent Limitations of Internal Financial Controls Over Financial Reporting

Because of the inherent limitations of internal financial controls over financial reporting, including the possibility of collusion or improper management override of controls, material misstatements due to error or fraud may occur and not be detected. Also, projections of any evaluation of the internal financial controls over financial reporting to future periods are subject to the risk that the internal financial control over financial reporting may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

RAJIV GOEL & ASSOCIATES AMBALA CANTT

Opinion

In our opinion, the Company has, in all material respects, an adequate internal financial controls system over financial reporting and such internal financial controls over financial reporting were operating effectively as at March 31, 2018, based on the internal control over financial reporting criteria established by the Company considering the essential components of internal control stated in the Guidance Note on Audit of Internal Financial Controls Over Financial Reporting issued by the Institute of Chartered Accountants of India.

For M/S RAJIV GOEL & ASSOCIATES
Chartered Accountants

CA. Rohit Goel
Partner
FRN 011106N
M. No. 091756

Place: Patiala
Date: 14.09.2018

ANNEXURE-1 FORMING PART OF MAIN AUDIT REPORT OF PUNJAB STATE TRANSMISSION CORPORATION LIMITED AS ON 31ST MARCH 2018

1. That Company is providing Operation and Maintenance services to 220 KV Ganguwal-Mohali Transmission Line which is co-owned by UT Chandigarh and PSTCL. During the year under audit, no bill for such service has been raised and issued to the UT Chandigarh as UT Chandigarh has intimated that with the introduction of POC (Point of Connection) Regime from FY 2011-12, they are already making payments to PGCIL for the POC charges on their total drawl of power as per the account prepared by NLDC Delhi (National Load Dispatch Centre) resulting into lower revenue. However expenses to maintain such transmission line have been accounted for in the books of accounts in totality and no separate accounts have been prepared by the management for such transmission line.

   Further, as per accounting policy 2.12 "Revenue Recognition" Income from natural interstate lines to be accounted for in the books of accounts as and when received. For the recovery of such O&M charges of the above mentioned transmission line, PSTCL has taken up the matter with UT Chandigarh at all levels for settling O&M charges of above mentioned transmission line.

2. As per Amended Transfer Scheme 2012, PSTCL has to pay 11.36% share of terminal benefits payable to employees as per Punjab Power Sector Reforms Transfer (1st Amendment) Scheme 2012. As per information available PSPCL provides only 88.64% share of the total terminal benefit Liability in respect of pension, gratuity and leave encashment. As such Ind AS 19 is not applicable to PSTCL in respect of employees working in PSTCL on deputation/secondment from PSPCL and covered under the Pension Scheme, no provision has been made in the books of accounts of PSTCL to the extent of PSTCL's share of progressive funding being 11.36% of actuarial liability on account of terminal liability. PSTCL has accounted for terminal liability on the principle of 'Pay as you go' basis amounting to Rs.279,44,82,442/-being 11.36% of total amount as intimated by PSPCL for FY 17-18.

3. Services to/from PSPCL like rent of Offices, rent of colonies etc is not accounted for in the books of accounts up to date. In the absence of information we are unable to ascertain the effect on statement of profit & loss (including Other Comprehensive Income) and balance Sheet.

4. The balances of Creditors are not confirmed. In the absence of information we are unable to ascertain its effect on statement of profit & loss and balance sheet.

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5. Other Non Current Assets include Inter Unit Transfer debit balance of Rs.1.72 Crore (Rs. 1.72 Cr as on 31.03.2017) and Blank U Cheque debit balance of Rs. 54.67 Crore relating to the period prior to 16/04/2010 are not reconciled and effect thereof on Statement of Profit and Loss and Balance Sheet could not be ascertained.

For M/S RAJIV GOEL & ASSOCIATES
Chartered Accountants

RAJIV GOEL & ASSOCIATES
CA
AMBALA CANTT

Place: Patiala
Date: 14.09.2018

CA. Rohit Goel
Partner
FRN 011106N
M. No. 091756

Rajiv Goel Associates
CHARTERED ACCOUNTANTS

179, Bank Road, Ambala Cantt.
Tel. : 0171- 4003607

Email : rgaca91@gmail.com
Web : www.rgaca.in

Compliance Certificate

We have conducted the audit of accounts of Punjab State Transmission Corporation Limited for the year ended 31st March 2018 in accordance with the directions/sub-directions issued by the Comptroller and Auditor General of India under Section 143 (5) of the Companies Act, 2013 and certify that we have complied with all the directions/sub-directions issued to us.

For M/S RAJIV GOEL & ASSOCIATES
Chartered Accountants

RAJIV GOEL & ASSOCIATES
CA
AMBALA CANTT

Place: Patiala
Date: 14.09.2018

CA. Rohit Goel
Partner
FRN 011106N
M. No. 091756

Chandigarh Office :
2117, Sector 35-C,
Chandigarh
Phone : 0171-2620117

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T-1, 3rd Floor, 4772-73
Bharat Ram Road, 23, Darya Ganj,
New Delhi. Phone : 011-23280071

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PUNJAB STATE TRANSMISSION CORPORATION LIMITED

Balance Sheet As at March 31, 2018

(Amount in Rupees)

Sr. No.	Particulars		Note No.	Figures As at March 31, 2018	Figures As at March 31, 2017
I	ASSETS				
	1. Non current assets				
	(a) Property, Plant and Equipment		3	70,67,60,14,939	67,61,01,44,545
	(b) Capital work in progress		4 & 5	5,50,48,13,997	7,91,07,13,027
	(c) Financial Assets				
	(i) Others		6	2,34,62,515	3,93,90,719
	(d) Other non current assets		7	57,13,01,281	56,60,96,769
	Total (3+4 & 5+6+7)	A		76,77,55,92,732	76,12,63,45,060
	2. Current assets				
	(a) Inventories		8	17,39,32,316	17,99,12,862
	(b) Financial assets				
	(i) Trade receivables		9	3,23,15,82,737	5,84,41,18,393
	(ii) Cash and cash equivalents		10	9,42,16,531	15,28,092
	(iii) Others		11	6,10,54,774	7,13,38,767
	(c) Current tax assets (Net)		12	49,01,97,781	38,84,95,536
	(d) Other current assets		13	51,62,566	4,50,77,901
	Total (8+9+10+11+12+13)	B		4,05,61,46,705	6,53,04,71,551
	Grand Total	(A+B)		80,83,17,39,437	82,65,68,16,611
II	EQUITY AND LIABILITIES				
	EQUITY				
	(a) Equity Share capital		14	6,05,88,34,650	6,05,88,34,650
	(b) Other Equity		15	22,58,92,63,461	22,54,89,51,016
	Total (14+15)	A		28,64,80,98,111	28,60,77,85,666
	LIABILITIES				
	1. Non current liabilities				
	(a) Financial liabilities				
	(i) Borrowings		16	44,89,20,81,094	43,77,24,06,016
	(b) Provisions		17	11,20,12,646	9,38,21,380
	(c) Other non current liabilities		18	31,93,52,874	1,32,90,11,276
	Total (16+17+18)	B		45,32,34,46,614	45,19,52,38,672
	2. Current liabilities				
	(a) Financial liabilities				
	(i) Borrowings		19	1,00,64,66,226	2,08,80,94,943
	(ii) Other financial liabilities (other than those specified in item (c))		20	5,36,69,02,951	6,71,50,11,127
	(b) Other current liabilities		21	5,16,68,391	4,98,82,269
	(c) Provisions		22	32,54,805	8,03,934
	Total (19+20+21+22)	C		6,42,82,92,373	8,85,37,92,273
	3. Deferred Revenue		23	43,19,02,339	-
	Total	D		43,19,02,339	-
	Grand Total	(A+B+C+D)		80,83,17,39,437	82,65,68,16,611
	Significant accounting policies		2		
	The accompanied Notes 1 to 60 form an integral part of these financial statements				

As per our report of even date attached
For Rajiv Goel & Associates
Chartered Accountants
FRN 011106N

(Rohit Goel)
Partner
M.No 091756
Place: Patiala
Date: 14.9.2018

RAJIV GOEL & ASSOCIATES CA AMBALA CANTT

For and on behalf of the Board

(Er. Ajay Kumar Kapur)
Director/Technical

(A. Venu Prasad)
Chairman-cum-Managing Director

(Vinod Bansal)
Chief Financial Officer

(Jasvir Singh)
Company Secretary

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PUNJAB STATE TRANSMISSION CORPORATION LIMITED

Statement of Profit & Loss for the year ended March 31, 2018

(Amount in Rupees)

Sr. No.	Particulars		Note No.	For the year ended March 31, 2018	For the year ended March 31, 2017
I	**Income**				
	(a) Revenue from operations		24	11,82,46,31,275	12,43,15,78,564
	(b) Other income		25	1,32,42,63,278	32,00,51,852
	Total Income	A		13,14,88,94,553	12,75,16,30,416
II	Expenses				
	(a) Employee benefits expense		26	4,72,17,15,462	4,41,96,13,860
	(b) Finance costs		27	5,04,30,31,803	5,07,39,96,198
	(c) Depreciation, amortization & impairment expenses		28	2,68,83,95,390	2,61,37,43,093
	(d) Other expenses				
	(i) Repairs & maintenance		29	22,80,86,245	26,05,78,274
	(ii) Administration & General expenses		30	27,96,80,610	17,97,90,283
	(iii) ULDC charges		31	10,73,29,588	9,93,22,430
	(iv) Others expenses/debits		32	3,06,53,250	4,32,56,278
	Total expenses	B		13,09,88,92,348	12,69,03,00,416
III	**Profit/(Loss) before tax (A-B)**	C		5,00,02,205	6,13,30,000
	Tax expense				
	(i) Current tax		33	-	1,02,63,800
	(ii) Adjustment of tax relating to earlier year			-	16,76,401
	Total Tax Expense	D		-	1,19,40,201
IV	**Profit/(Loss) for the period (C-D)**	E		5,00,02,205	4,93,89,799
V	**Other Comprehensive Income**				
	(a) Items that will not be reclassified to profit or loss				
	-Actuarial Gain/(Loss) on Gratuity		34	(96,89,760)	(15,90,832)
	Other Comprehensive Income	F		(96,89,760)	(15,90,832)
VI	**Total Comprehensive Income for the period (E + F)**			4,03,12,445	4,77,98,967
	Earnings per equity share				
	Basic & Diluted		48	0.08	0.08

As per our report of even date attached
For Rajiv Goel & Associates
Chartered Accountants
FRN 011106N

RAJIV GOEL & ASSOCIATES CA AMBALA CANTT

(Rohit Goel)
Partner
M.No 091756
Place: Patiala
Date: 14.9.2018

For and on behalf of the Board

(Er. Ajay Kumar Kapur)
Director/Technical

(A. Venu Prasad)
Chairman-cum-Managing Director

(Vinod Bansal)
Chief Financial Officer

(Jasvir Singh)
Company Secretary

PUNJAB STATE TRANSMISSION CORPORATION LIMITED

Cash Flow Statement for the period ended March 31, 2018

(Amount in Rupees)

Sr. No.	PARTICULARS	For the year ended March 31, 2018		For the year ended March 31, 2017	
(A)	**Cash Flow from Operating Activities**				
	Net Profit/(Loss) before tax Adjustment for:		5,00,02,205		6,13,30,000
i	Income from sale of fixed assets	(99,35,983)		(50,26,874)	
ii	Provision withdrawn on unserviceable/obsolete items - capital	(6,17,12,774)		(68,49,529)	
iii	Provision withdrawn on unserviceable/obsolete items - O&M	(41,15,662)		(16,79,069)	
iv	Provision for losses under investigation	3,04,71,102		-	
v	Provision utilized on difference in value of stock & store	(1,66,55,828)		-	
vi	Provision for unserviceable & obsolete items - capital	-		2,65,70,432	
vii	Finance cost	5,04,30,31,803		5,07,39,96,198	
viii	Depreciation, Amortization & Impairment Expenses	2,68,83,95,390	7,66,94,78,048	2,61,37,43,093	7,70,07,54,251
	Operating Profit/(Loss) before working capital changes		7,71,94,80,253		7,76,20,84,251
	Adjustment for working capital changes:				
	(Increase)/Decrease in :				
i	Trade receivables	2,61,25,35,656		(2,03,33,51,356)	
ii	Inventories	2,67,52,036		3,69,16,385	
iii	Other non current financial assets (excluding provision)	(1,45,42,898)		(2,35,765)	
iv	Other non current assets	(52,04,512)		2,01,42,910	
v	Other current financial assets	1,02,83,993		(1,18,38,952)	
vi	Other current assets	3,99,15,335		(4,23,14,036)	
	Increase/(Decrease) in				
vii	Non current provisions (including OCI)	85,01,506		4,53,94,228	
viii	Current provisions	24,50,871		2,74,774	
ix	Other non current liabilities	(1,00,96,58,402)		13,41,13,705	
x	Other current financial liabilities (excluding interest accrued & borrowings)	(61,14,64,186)		(14,76,13,398)	
xi	Other current liabilities	17,86,122		(2,58,03,089)	
	Net working capital change		1,06,13,55,521		(2,02,43,14,594)
	Cash generated from operations		8,78,08,35,774		5,73,77,69,657
	Income tax (paid)/TDS/Refund (Net)		(10,17,02,245)		(3,35,02,302)
	Net Cash from operating activities		8,67,91,33,529		5,70,42,67,355
(B)	**Cash Flow from investing activities**				
i	(Increase)/Decrease in :				
a	PPE and intangible assets (Net carrying amount + Depreciation)	(5,77,79,08,074)		(4,94,40,14,782)	
b	Capital work in progress including capital stores(excluding prosivions)	2,46,76,11,804		79,27,48,508	
ii	Income on sale of fixed assets	99,35,983		50,26,874	
	Net Cash used in investing activities		(3,30,03,60,287)		(4,14,62,39,400)
(C)	**Cash Flow from financing activities**				
i	Finance cost paid after adjustment of interest accrued	(5,01,19,09,918)		(5,01,84,34,424)	
ii	Proceeds from long term borrowings (including current maturities)	10,12,94,50,056		9,39,13,75,798	
iii	Repayments from long term borrowings (including current maturities)	(9,77,75,40,853)		(5,48,63,03,063)	
iv	Proceeds from short term borrowings	1,00,00,00,000		1,00,00,00,000	
v	Repayments from short term borrowings	(2,08,16,28,717)		(1,45,01,71,168)	
vi	Consumer contribution for creating fixed assets	45,55,44,629		-	
	Net Cash from financing activities		(5,28,60,84,803)		(1,56,35,32,857)
(D)	Net Increase/(Decrease) in cash and cash equivalents (A+B+C)		9,26,88,439		(55,04,902)
(E)	Cash and cash equivalents at the beginning of the year		15,28,092		70,32,994
(F)	Cash and cash equivalents at the end of the year (Refer Note No.10)		9,42,16,531		15,28,092

As per our report of even date attached
For Rajiv Goel & Associates
Chartered Accountants
FRN 011106N

RAJIV GOEL & ASSOCIATES
CA
AMBALA CANTT

(Rohit Goel)
Partner
M.No 091756
Place: Patiala
Date: 14.9.2018

For and on behalf of the Board

(Er. Ajay Kumar Kapur)
Director/Technical

(A. Venu Prasad)
Chairman-cum-Managing Director

(Vinod Bansal)
Chief Financial Officer

(Jasvir Singh)
Company Secretary

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PUNJAB STATE TRANSMISSION CORPORATION LIMITED

Statement of Changes in Equity for the period ended March 31, 2018

A. Equity Share Capital

Balance as at March 31, 2017	6,05,88,34,650
Changes in equity share capital during the year	-
Balance as at March 31, 2018	6,05,88,34,650

B. Other Equity

(Amount in Rupees)

Particulars	Réserves & Surplus			Total
	General Reserve	Capital Reserve	Retained Earnings (Surplus Account)	
Balance at the end of reporting period March 31, 2017	**2,00,05,121**	**18,62,10,78,408**	**3,90,78,67,487**	**22,54,89,51,016**
Profit during the year	-	-	5,00,02,205	5,00,02,205
Other comprehensive income	-	-	(96,89,760)	(96,89,760)
Total Comprehensive income			**4,03,12,445**	**4,03,12,445**
Balance at the end of the reporting period March 31, 2018	**2,00,05,121**	**18,62,10,78,408**	**3,94,81,79,932**	**22,58,92,63,461**

As per our report of even date attached
For Rajiv Goel & Associates
Chartered Accountants
FRN 011106N

RAJIV GOEL & ASSOCIATES * AMBALA CANTT * CA

(Rohit Goel)
Partner
M.No 091756
Place: Patiala
Date: 14.9.2018

For and on behalf of the Board

(Er. Ajay Kumar Kapur)
Director/Technical

(A. Venu Prasad)
Chairman-cum-Managing Director

(Vinod Bansal)
Chief Financial Officer

(Jasvir Singh)
Company Secretary

1 General Information

- Punjab State Transmission Corporation Limited (PSTCL) was incorporated on April 16, 2010 under the Companies Act, 1956. The Certificate of commencement of Business was received on the same date from Registrar of Companies, Chandigarh.

- The Government of Punjab restructured the Punjab State Electricity Board under the provisions of the Electricity Act, 2003. In exercise of Powers conferred by Section 131, 132 and 133 of the Act, the Government of Punjab made a Scheme called the Punjab Power Sector Reforms Transfer Scheme, 2010 (Transfer Scheme) vide Notification dated April 16, 2010 which interalia provided for transfer of functions, undertakings assets, properties, rights, liabilities, obligations, proceedings and personnel of Punjab State Electricity Board. The Scheme was subsequently amended by State Government by making a Scheme called the Punjab Power Sector Reforms Transfer (First Amendment) Scheme, 2012 which was notified on December 24, 2012.

- In exercise of the powers conferred by sub clause 4 of clause 5 of the Transfer Scheme read with Section 131, 132 & 133 of the Act, the Government of Punjab transferred and vested the transmission undertaking with Punjab State Transmission Corporation Limited by way of Notifications No. 1/4/04-EB/PR/620 & 632 dated December 24, 2012 by vesting the transmission undertaking aggregate value of assets & liabilities of Rs. 4,114.28 crores as on April 16, 2010 and from the said date, Company is carrying on the business of transmission of electricity in the State of Punjab and discharging the functions of State Load Dispatch Centre.

2 Significant Accounting Policies

2.1 Basis of preparation of Financial Statements

i) Statement of Compliance

- The financial statements are prepared in accordance with Indian Accounting Standards (Ind AS) as notified by Ministry of Corporate Affairs, under the provisions of the Companies Act, 2013 ('Act') (to the extent notified), applicable provisions of the Companies Act, 1956 and the provisions of the Electricity Act, 2003 to the extent applicable. The Ind AS are prescribed under Section 133 of the Act read with Rule 3 of the Companies (Indian Accounting Standards) Rules, 2015 and Companies (Indian Accounting Standards) Amendment Rules, 2016.

- The Company has adopted Ind AS standards and the adoption was carried out in accordance with Ind AS 101 First time adoption of Indian Accounting Standards. For all the periods up to and including 31 March 2016, the

RAJIV GOEL & ASSOCIATES AMBALA CANTT CA

Company prepared its financial statements in accordance with Generally Accepted Accounting Principles (GAAP) in India, accounting standards specified under Section 133 of the Companies Act, 2013 (to the extent notified and applicable) read with Companies (Accounting Standards) Rules, 2006 (as amended), applicable provisions of the Companies Act, 1956, and the provisions of the Electricity Act, 2003 to the extent applicable. The Company followed the provisions of Ind AS 101 in preparing its opening Ind AS Balance Sheet as of the date of transition, viz. 1 April 2015.

- Accounting policies have been consistently applied except where a newly issued accounting standard is initially adopted or a revision to an existing accounting standard requires a change in the accounting policy hitherto in use.

ii) Basis of Measurement

- The financial statements are prepared on the accrual basis of accounting under historical cost convention except for certain financial instruments (referred in Note 2.23 of Accounting policy) which are measured at fair values.

iii) Use of estimates and judgment

- The preparation of financial statements is in conformity with Ind AS which requires the management to make judgments, estimates and assumptions that affect the reported amounts of revenues, expenses, assets and liabilities and the accompanying disclosure/s, at the end of the reporting period. The estimates are based on the management's best knowledge of current events and actions, uncertainty about these assumptions and estimates could result in the outcomes requiring a material adjustment to the carrying amounts of assets or liabilities in future periods.

iv) Functional and presentation currency

- These financial statements are presented in Indian rupees, the national currency of India, which is the functional currency of the Company.

2.2 Property, Plant and Equipment (PPE)

- The Company has adopted the cost model of recognition under Ind AS 16 to measure the Property, Plant and Equipment. Consequently, all Property, Plant and Equipment are carried at its cost less accumulated depreciation and accumulated impairment losses, if any.

- The cost of an item of Property, Plant and Equipment comprises its purchase price, including import duties and non-refundable taxes, after deducting trade discounts and rebates, any directly attributable expenditure to bring

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the Property, Plant and Equipment to the location and making it ready for its intended use.

- Property, Plant and Equipment acquired as replacement of the existing assets/ component are capitalized and its corresponding replaced assets/ component removed/ retired from active use are derecognized.

- Spares parts procured along with the Plant & Machinery or subsequently which meets the recognition criteria of Property, Plant and Equipment are capitalized and added in the carrying amount of such item. The carrying amount of spare parts that are replaced is derecognized when no future economic benefits are expected from their use or upon disposal. Other machinery spares are treated as "stores & spares" forming part of the inventory.

- Stand-by equipment are recognised in accordance with Ind AS 16 when they meet the definition of Property, Plant and Equipment. Otherwise, such items are classified as inventory.

- Gains or losses arising from derecognition of an item of Property, Plant and Equipment is measured as the difference between the net disposal proceeds and the carrying amount of the asset and is recognized in the statement of profit and loss when the asset is derecognized.

- In case of Property, Plant and Equipment 100% funded by consumer contribution, amount equal to the annual depreciation on such Property, Plant and Equipment has been transferred from deferred income to depreciation.

- In case of Property, Plant and Equipment part funded by consumer contribution, proportionate amount of the annual depreciation has been transferred from deferred income to depreciation and balance depreciation is transferred to Profit & Loss Account.

- In respect of supply-cum-erection contracts, the value of supplies received at site and accepted is treated as Capital Work-in-progress.

- Claims for price variation/exchange rate variation in case of contracts are accounted for on acceptance of claims.

2.3 Capital work in progress

- Projects under which the Property, Plant and Equipment are not yet ready for their intended use are carried at cost, comprising direct costs, related incidental expenses and attributable interest.

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- All expenditure relating to Capital works of Transmission System Organization are allocated to the capital projects on pro rata basis.

2.4 Capital Stores

- Materials purchased for capital projects are classified as Capital stores and these are valued at cost.

2.5 Depreciation and Amortization

- In line with Part B of Schedule II to Companies Act 2013, with effect from April 01, 2017, depreciation is provided as per PSERC (Terms & Conditions for determination of Generation, Transmission, Wheeling and Retail supply Tariff) Regulations, 2014 as amended from time to time. In accordance with PSERC Regulations depreciation has been provided on the straight line method over the useful life of the asset at the rates of depreciation specified in Appendix II of the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014 as amended from time to time.

- The tangible Property, Plant and Equipment are depreciated up to 90% of the original cost after taking 10% as residual value of Property, Plant and Equipment.
  Provided that the remaining depreciable value as on 31st March of the year closing after a period of 12 years from date of commercial operation/put in use of the asset shall be spread over the balance useful life of the assets as per PSERC Regulations 2014 as amended from time to time.

- Temporary erections are depreciated fully (100%) in the year of acquisitions/capitalization by taking the written down value as INR 1/- for control purpose.

- Intangible assets viz computer software and other tangible assets for which useful life is not determined by CERC/PSERC, are amortised/depreciated on straight line method at rates specified in Appendix II of Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2014 as amended from time to time till PSERC notifies the same.

- Depreciation on additions to/deductions from Property, Plant and Equipment during the year is charged on pro-rata basis from the month of such addition or as the case may be up to the month in which such Property, Plant and Equipment is sold, discarded, demolished or destroyed.

- Property, Plant and Equipment costing up to Rs. 5,000/- each are fully depreciated in the year of acquisition except where specific classification has been prescribed for the purpose of depreciation under the classification

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Furniture & Fixtures and Office Equipment.

- Leasehold assets are amortized over the period of lease, including the optional period of lease, as per the terms of the lease agreements.

2.6 Government Grant / Assistance

- The Company may receive government grants/subsidy that require compliance with certain conditions related to the Company's operating activities or are provided to the Company by way of financial assistance on the basis of certain qualifying criteria.

- Government grants/subsidy are recognised when there is reasonable assurance that the grant will be received and the Company will be able to comply with the conditions attached to them. These grants/subsidy are classified as grants relating to assets or revenue based on the nature of the grant.

- Government grants/subsidy with a condition to purchase, construct or otherwise acquire long term assets are initially recognised as deferred income. Once recognised as deferred income, such grants are recognised in the statement of profit and loss on a systematic basis over the useful life of the asset. Changes in estimates are recognised prospectively over the remaining life of the assets.

- Grant in the form of revenue grant/subsidy are deferred and recognised in the statement of profit and loss over the period that the related costs, for which it is intended to compensate, are expensed.

2.7 Impairment

- If the recoverable amount of an asset (or cash-generating unit) is estimated to be less than its carrying amount, the carrying amount of the asset (or cash-generating unit) is reduced to its recoverable amount. An impairment loss is recognized immediately in statement of profit and loss, unless the relevant asset is carried at a revalue amount, in which case the impairment loss is treated as a revaluation decrease.

- Recoverable amount is the higher of fair value less costs of disposal or value in use. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset for which the estimates of future cash flows have not been adjusted.

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- At the end of each reporting period, the company reviews the carrying amounts of its tangible, intangible assets to determine whether there is any indication that those assets have suffered an impairment loss. If any such indication exists, the recoverable amount of the asset is estimated in order to determine the extent of the impairment loss (if any).

2.8 Leases

- Lease is classified as a finance lease if it transfers substantially all the risks and rewards incidental to ownership. A lease is classified as an operating lease if it does not transfer substantially all the risks and rewards incidental to ownership.

As a lessee

- Finance leases are capitalized at the lease's inception date at the fair value of the leased property or, if lower, at the present value of the minimum lease payments. The corresponding rental obligations, net of finance charges, are included in borrowings or other financial liabilities as appropriate. Each lease payment is allocated between the liability and finance cost. The finance cost is charged to the profit or loss over the lease period so as to produce a constant periodic rate of interest on the remaining balance of the liability for each period.

- Operating lease payments are charged to the profit or loss on a straight-line basis over the lease term.

As a lessor

- Lease income from operating leases is recognized in income on a straight-line basis over the lease term of relevant lease.

2.9 **Borrowing costs**

- Borrowing cost includes interest and amortization of ancillary costs incurred in connection with the arrangement of borrowings.

- General and specific borrowing costs directly attributable to the acquisition, construction or production of qualifying asset are capitalized as part of the cost of the respective asset.

- A qualifying asset is an asset that necessarily takes a substantial period of time to get ready for its intended use or sale.

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- Investment income earned on the temporary investment of specific borrowings pending their expenditure on qualifying assets is deducted from the borrowing costs eligible for capitalisation.

- To the extent that an entity borrows funds generally and uses them for the purpose of obtaining a qualifying asset, the entity shall determine the amount of borrowing costs eligible for capitalisation by applying a capitalisation rate to the expenditures on that asset. The borrowing cost is capitalized on the basis of weighted average formula as under:-

a) Average of total opening and closing balance of CWIP
b) Average of opening and closing outstanding loans for capital works
c) Interest paid and provided for the year on loans for capital works
d) Capitalization of borrowing cost = c x a / b.

Other borrowing costs are expensed in the period in which they are incurred.

2.10 Inventories

- Inventories are valued at lower of cost determined on weighted average basis or net realizable value.

- The cost of inventories comprise of all costs of purchase, costs of conversion and other costs incurred in bringing the inventories to their present location and condition.

- The costs of purchase consist of the purchase price including duties and taxes (other than those subsequently recoverable by the enterprise from the taxing authorities), freight inwards and other expenditure directly attributable to the acquisition.

- The diminution in the value of obsolete, unserviceable and surplus stores and spares is ascertained on review and provided for.

2.11 Cash and cash equivalents

- Cash comprises cash on hand and demand deposits with banks. Cash equivalents are short-term balances (with an original maturity of three months or less from the date of acquisition), highly liquid investments that are readily convertible into known amounts of cash and which are subject to insignificant risk of changes in value.

2.12 Revenue recognition

- Transmission income is accounted for as and when accrued on the basis of tariff orders notified by Punjab State Electricity Regulatory Commission.

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- Income from open access consumers is accounted for on the basis of Regulations read with the Tariff Orders notified by Punjab State Electricity Regulatory Commission.

- Income from natural interstate lines is accounted for on actual receipt basis.

- Other income is recognized on accrual basis except when ultimate realisation of such income is uncertain.

- Late payment surcharges, liquidated damages/warranty claims and Interest on advances to suppliers are accounted for on actual receipt basis.

- Value of waste and scrap is accounted for as and when sold.

- Revenue is measured at fair value of the consideration received or receivable.

Interest Income

- Interest income is recognised on a time proportion basis, by reference to the principal outstanding and the rate applicable, using the effective interest rate method (EIR).

- Interest income accrued on staff loans and advances are provided on accrual basis. Interest is recovered after recovery of principal amount.

2.13 Expense

- All expenses are accounted for on accrual basis except leave travel concessions, medical reimbursements, TA/DA claims, dearness allowance and arrears of salary which are accounted for on payment basis in the year these are paid.

2.14 **Employee Benefits**

- Employees working in PSTCL on deputation / secondment from PSPCL either are covered under the Pension Scheme or NPS Scheme.

- Pursuant to the Punjab Power Sector Reforms Transfer (First Amendment) Scheme 2012, there shall be common Employee Benefit Trusts for Pension, Gratuity and Leave Encashment for both PSTCL and PSPCL which shall be

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progressively funded by PSPCL & PSTCL respectively, as decided by Punjab State Electricity Regulatory Commission, in the ratio of 88.64 : 11.36 over a period of 15 Financial Years commencing from 1st April, 2014. The terminal benefits liability accruing during the period of progressive funding, and thereafter, shall be shared in the same ratio by the both corporations. The actual amount of pension, gratuity and leave encashment paid/to be paid on and with effect from 16th April, 2010 to 31st March, 2014 shall be shared by the PSPCL and PSTCL, in the ratio of 88.64 : 11.36 on yearly basis.

- Provisions towards Gratuity and Leave Encashment in respect of employees recruited by the company are made based on actuarial valuation using the projected unit credit method.

- Re-measurement, comprising actuarial gains and losses, are recognised in the period in which they occur, directly in other comprehensive income. Remeasurement gains and losses are included in retained earnings in the statement of changes in equity and in the balance sheet.

- Short term employee benefits obligations are measured on an undiscounted basis and are expenses as the related services provided. A liability is recognized for the amount expected to be paid under short-term employee benefits if the company has a present legal or constructive obligation to pay this amount as a result of past service provided by the employee and the obligation can be estimated reliably.

2.15 Income taxes

- Income tax expense for the year represents the sum of the current tax and deferred tax.

- Current tax is the expected tax payable/receivable on the taxable income/ loss for the year calculated using tax rates that have been enacted or substantively enacted by the end of the reporting period.

- Deferred tax is recognised in respect of temporary differences between the carrying amounts of assets and liabilities in the financial statements and the corresponding amounts used for taxation purpose.

- Deferred tax liabilities are generally recognized for all taxable temporary differences.

- Deferred tax assets are generally recognized only to the extent that it is probable that future taxable profits will be available against which the assets can be utilized. The carrying amount of deferred tax assets is reviewed at the end of each reporting period and reduced to the extent that it is no longer

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probable that the related tax benefit will be realized.

- Deferred tax recovery adjustment account is credited/ debited to the extent tax expenses is chargeable from the beneficiaries in future years on actual payment basis.
- Current and deferred tax are recognized in profit or loss, except when they relate to items that are recognized in other comprehensive income or directly in equity, in which case, the current and deferred tax are also recognized in other comprehensive income or directly in equity respectively.

2.16 Earnings per Share

- The earnings considered in ascertaining the Company's EPS comprises of the net profit / loss after tax. Basic earnings per equity share is computed by dividing net profit / loss after tax by the weighted average number of equity shares outstanding during the year.
- Diluted earnings per equity share is computed using the weighted average number of equity shares and dilutive potential equity shares outstanding during the year. The number of equity shares and potentially dilutive equity shares are adjusted for share splits / reverse share splits and bonus shares, as appropriate.

2.17 Provisions

- A provision is recognized when the company has a present obligation (Legal or Constructive) as a result of past event and it is probable that an outflow of resources will be required to settle the obligation in respect of which a reliable estimate can be made.

2.18 Contingent liabilities

- Contingent liabilities are not recognized but disclosed in Notes when the company has possible obligation due to past events and existence of the obligation depends upon occurrence or non-occurrence of future events not wholly within the control of the company.
- Contingent liabilities are assessed continuously to determine whether outflow of economic resources have become probable. If the outflow becomes probable then relative provision is recognized in the financial statements.

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2.19 Contingent Assets

- Contingent Assets are not recognized but disclosed in Notes which usually arise from unplanned or other unexpected events that give rise to the possibility of an inflow of economic benefits.

- Contingent assets are assessed continuously to determine whether inflow of economic benefits becomes virtually certain, then such assets and the relative income will be recognised in the financial statements

2.20 Segment Reporting

- Operating segments are reported in a manner consistent with the internal reporting provided to the chief operating decision maker. The Chairman cum Managing Director (CMD) of the Company has been identified as the Chief Operating Decision Maker (CODM) as defined by Ind AS-108, "Operating Segments."

- The Company is primarily engaged in single segment business of transmission of Power and State load distribution center functions. There is no reportable primary segment identification in accordance with the Ind AS-108.

2.21 Prior Period

- Material Prior period(s) errors are corrected retrospectively by restating the comparative amounts for the prior periods to the extent practicable along with change in basic and diluted earnings per share. However, if the error relates to a period prior to the comparative period, opening balances of the assets, liabilities and equity of the comparative period presented are restated.

2.22 Insurance claims

- Insurance claims are accounted for on the basis of claims admitted / expected to be admitted and to the extent that the amount recoverable can be measured reliably and it is reasonable to expect ultimate collection.

2.23 Financial instruments

<u>Financial assets:</u>
Financial assets are recognised when the Company becomes a party to the contractual provisions of the instrument and are initially recognised at fair value and directly attributable transaction costs towards acquisition or issue of the financial asset are added to or deducted from the fair value on initial recognition except for financial assets which are recognised at fair value

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through profit and loss.

Financial assets are classified as those measured at:

- amortised cost, where the financial assets are held solely for collection of cash flows arising from payments of principal and/or interest
- fair value through other comprehensive income (FVTOCI), where the financial assets are held not only for collection of cash flows arising from payments of principal and/or interest but also from the sale of such assets. Such assets are subsequently measured at FVOCI.
- fair value through profit or loss (FVTPL), where the financial assets are not classified either at amortised cost or FVTOCI.

Financial assets include trade receivables, advances, security deposits, cash and cash equivalents etc and are classified for measurement at amortised cost.

Management determines the classification of an asset at initial recognition depending on the purpose for which the assets were acquired.

- **Impairment:**
  The Company at each reporting date tests a financial asset or a group of financial assets (other than financial assets held at fair value through profit or loss) for impairment based on evidence or information that is available without undue cost or effort. Expected credit losses are assessed and impairment loss recognised if the credit risk of the financial asset is significantly increased.

  The impairment losses and reversals are recognised in statement of profit and loss.

- **Derecognition:**
  Financial assets are derecognized when the contractual right to receive cash flows from the financial assets expires, or transfers the contractual rights to receive the cash flows from the asset.

Financial liabilities:

Borrowings, trade payables or other financial liabilities are initially recognised at the value of the respective contractual obligations. They are subsequently measured at amortised cost using the effective interest rate method.

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- Derecognition:
  A financial liability is derecognized when the obligation under the liability is discharged or cancelled or expires. When an existing financial liability is replaced by another from the same lender on substantially different terms, or the terms of an existing liability are substantially modified, such an exchange or modification is treated as the derecognition of the original liability and the recognition of a new liability. The difference in the respective carrying amounts is recognized in the statement of profit or loss.

Offsetting financial instruments:

Financial assets and liabilities are offset and the net amount is included in the Balance Sheet where there is a legally enforceable right to offset the recognised amounts and there is an intention to settle on a net basis or realize the asset and settle the liability simultaneously.

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Note 3: Property, Plant and Equipment for the year ended March 31, 2018

(Amount in Rupees)

Sr. No.	Particulars	Account Code	Gross Block: Gross carrying value as at March 31, 2017	Gross Block: Additions	Gross Block: Assets sold/ disposed off	Gross Block: Gross carrying value as at March 31, 2018 (4+5-6)	Accumulated Depreciation & Impairment: Accumulated depreciation and Impairment as at March 31, 2017	Accumulated Depreciation & Impairment: Additions	Accumulated Depreciation & Impairment: Depreciation of assets sold/ disposed off	Accumulated Depreciation & Impairment: Impairment during the year (GH - 16.755)	Accumulated Depreciation & Impairment: Accumulated depreciation and Impairment as at March 31, 2018 (8+9+11-10)	Net Block: Net Carrying value as at March 31, 2018 (7-12)	Net Block: Net Carrying value as at March 31, 2017 (4-8)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Land and land rights	10.1	29,26,88,26,396	-	19,39,401	29,26,68,86,995	-	-	-	-	-	29,26,68,86,995	29,26,88,26,396
2	Buildings	10.2	1,75,62,08,355	33,86,92,795	-	2,09,49,01,150	73,80,45,373	4,92,48,019	-	-	78,72,93,392	1,30,76,07,758	1,01,81,62,982
3	Other civil works	10.4	3,79,83,060	85,26,960	-	4,65,10,020	1,10,77,373	14,03,691	-	-	1,24,81,066	3,40,28,954	2,69,05,685
4	Plant and Machinery	10.5	30,57,09,70,687	3,71,90,56,166	7,500	34,29,00,19,353	12,67,58,51,424	1,25,39,83,622	913	-	13,92,98,34,133	20,36,01,85,220	17,89,51,19,263
5	Line and cable net works	10.6	27,18,70,01,975	1,54,83,67,778	-	28,73,53,89,753	7,92,92,99,208	1,28,93,05,856	-	-	9,21,86,05,064	19,51,67,84,689	19,25,77,02,767
6	Vehicles	10.7	7,42,20,106	86,59,835	9,87,379	8,18,92,562	6,16,40,251	2,54,249	8,88,642	-	6,10,05,858	2,08,86,704	1,25,79,855
7	Furniture and fixture	10.8	3,99,46,016	37,77,246	1,25,965	4,35,97,297	1,76,98,941	23,78,995	47,910	-	2,00,30,026	2,35,67,271	2,22,47,075
8	Office Equipment	10.9	6,79,22,804	14,79,068	4,42,214	6,89,59,658	4,43,31,860	79,57,252	1,80,105	-	5,21,09,007	1,68,50,651	2,35,90,944
	Total (A)		89,00,30,79,399	5,62,85,79,848	35,02,459	94,62,81,56,788	21,47,79,44,432	2,60,45,31,684	11,17,570	-	24,08,13,58,546	70,54,67,98,242	67,52,51,34,967
9	Assets not in use - Idle/ repairable	16.511/ 16.521	15,76,32,928	1,40,20,817	-	17,16,53,745	10,05,36,864	(74,73,356)	-	-	9,30,63,508	7,85,90,237	5,70,96,064
10	Assets not in use - Damaged/ unrepairable	16.511/ 16.521	15,33,37,319	14,04,52,359	26,87,724	29,11,01,954	12,54,23,805	8,16,24,541	24,18,952	3,58,46,100	24,04,75,494	5,06,26,460	2,79,13,514
	Total (B)		31,09,70,247	15,44,73,176	26,87,724	46,27,55,699	22,59,60,669	7,41,51,185	24,18,952	3,58,46,100	33,35,39,002	12,92,16,697	8,50,09,578
	Gross Total (A + B)		89,31,40,49,646	5,78,30,53,024	61,90,183	95,09,09,12,487	21,70,39,05,101	2,67,86,82,869	35,36,522	3,58,46,100	24,41,48,97,548	70,67,60,14,939	67,61,01,44,545

Property, Plant and Equipment for the year ended March 31, 2017

Sr. No.	Particulars	Account Code	Gross Block: Gross carrying value as at March 31, 2016	Gross Block: Additions	Gross Block: Assets sold/ disposed off	Gross Block: Gross carrying value as at March 31, 2017	Accumulated Depreciation & Impairment: Accumulated depreciation and Impairment as at March 31, 2016	Accumulated Depreciation & Impairment: Additions	Accumulated Depreciation & Impairment: Depreciation of assets sold/ disposed off	Accumulated Depreciation & Impairment: Less: Ind AS Adjustments (Prior period of transition date)	Accumulated Depreciation & Impairment: Less: Ind AS Adjustments (Prior period of 2015-16)	Accumulated Depreciation & Impairment: Impairment during the year (GH - 16.755)	Accumulated Depreciation & Impairment: Accumulated depreciation and Impairment as at March 31, 2017	Net Block: Net Carrying value as at March 31, 2017	Net Block: Net Carrying value as at March 31, 2016
1	Land and land rights	10.1	29,26,88,26,396	-	-	29,26,88,26,396	-	-	-	-	-	-	-	29,26,88,26,396	29,26,88,26,396
2	Buildings	10.2	1,54,70,85,819	20,91,22,536	-	1,75,62,08,355	69,59,16,824	4,43,98,759	-	4,95,575	17,74,635	-	73,80,45,373	1,01,81,62,982	85,11,68,995
3	Other civil works	10.4	2,97,54,101	82,28,959	-	3,79,83,060	97,87,377	14,49,391	-	869	1,58,524	-	1,10,77,373	2,69,05,685	1,99,66,724
4	Plant and Machinery	10.5	28,34,82,54,386	2,24,73,40,236	2,46,23,935	30,57,09,70,687	11,31,93,13,193	1,41,29,86,456	1,00,13,174	2,10,12,606	2,54,22,445	-	12,67,58,51,424	17,89,51,19,263	17,02,89,41,193
5	Line and cable net works	10.6	24,62,23,89,311	2,56,46,12,664	-	27,18,70,01,975	6,70,69,35,941	1,25,23,85,468	-	1,84,61,928	1,15,60,273	-	7,92,92,99,208	19,25,77,02,767	17,91,54,53,370
6	Vehicles	10.7	7,82,23,630	(40,03,524)	-	7,42,20,106	6,39,52,047	(23,11,796)	-	-	-	-	6,16,40,251	1,25,79,855	1,42,71,583
7	Furniture and fixture	10.8	3,64,67,671	34,78,345	-	3,99,46,016	1,56,08,021	22,30,609	-	53,507	86,182	-	1,76,98,941	2,22,47,075	2,08,59,650
8	Office Equipment	10.9	6,77,10,984	2,11,820	-	6,79,22,804	3,47,61,838	95,62,995	-	-	(7,027)	-	4,43,31,860	2,35,90,944	3,29,49,146
	Total (A)		83,99,87,12,298	5,02,89,91,036	2,46,23,935	89,00,30,79,399	18,84,62,75,241	2,72,07,01,882	1,00,13,174	4,00,24,485	3,89,95,032	-	21,47,79,44,432	67,52,51,34,967	65,15,24,37,057
9	Assets not in use - Idle/ repairable	16.511/ 16.521	22,09,85,523	(6,33,52,595)	-	15,76,32,928	12,92,04,025	(2,86,67,161)	-	-	-	-	10,05,36,864	5,70,96,064	9,17,81,498
10	Assets not in use - Damaged/ unrepairable	16.511/ 16.521	21,23,16,549	40,03,524	6,29,82,754	15,33,37,319	17,66,62,248	36,03,172	4,60,87,113	-	-	(87,54,502)	12,54,23,805	2,79,13,514	3,56,54,301
	Total (B)		43,33,02,072	(5,93,49,071)	6,29,82,754	31,09,70,247	30,58,66,273	(2,50,63,989)	4,60,87,113	-	-	(87,54,502)	22,59,60,669	8,50,09,578	12,74,35,799
	Gross Total (A + B)		84,43,20,14,370	4,96,96,41,965	8,76,06,689	89,31,40,49,646	19,15,21,41,514	2,69,56,37,893	5,61,00,287	4,00,24,485	3,89,95,032	(87,54,502)	21,70,39,05,101	67,61,01,44,545	65,27,98,72,856

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PUNJAB STATE TRANSMISSION CORPORATION LIMITED

Note 3.1

i Land and land rights include the land for which title deeds are not in the name of Company, **but the ownership of which accrues** to PSTCL by operation of law through Transfer scheme notified by Punjab Government on 24.12.2012. Further, all these lands **are in peaceful possession of PSTCL and** investment has already been made on such lands for creation of assets which are owned by PSTCL. But the title deeds of land **vested with PSTCL are available with** PSPCL (Title deeds are with the Estate office of erstwhile PSEB is functioning under PSPCL). The company has details/deeds in **respect of land procured after 16.04.2010.**

ii The accounting units of the Company are maintaining Fixed Asset Registers. The Fixed **Asset Register categorywise, locationwise** and valuewise has also been prepared at Corporate Level. However, the preparation of quantitative detail of each assets with **value is under progress.**

iii Physical verification of the Fixed Assets have been carried out at the accounting unit level as on 31.03.2018 and no discripencies have been reported.

iv Details of assets sold/disposed off during FY 2017-18 is as under:

Sr. No.	Particulars	Gross Value	Acc. Depre.	Net Carrying Value
	Assets sold during the year	61,90,183	35,36,522	26,53,661
	Total	61,90,183	35,36,522	26,53,661

v Details of Net Addition of PPE - Addition/transferred/sold during FY 2017-18 is as under:

Sr. No.	Particulars	Gross carrying value		Accumulated Depreciation + Impairment		Net Carrying Value	
A	**Fixed Assets - In use**						
1	Opening balance as on 01.04.2017		89,00,30,79,399		21,47,79,44,432		67,52,51,34,967
2	Addition made during the year	5,78,30,53,024		2,67,86,82,869		3,10,43,70,155	
3	Transfer from Assets not in use	9,93,25,732		5,23,65,332		4,69,60,400	
4	Transfer to Assets not in use	(25,37,98,908)		(12,65,16,517)		(12,72,82,391)	
5	Net Addition in fixed assets in use		5,62,85,79,848		2,60,45,31,684		3,02,40,48,164
6	Assets sold/disposed off during the year		(35,02,459)		(11,17,570)		(23,84,889)
	Closing balance as on 31.03.2018		94,62,81,56,788		24,08,13,58,546		70,54,67,98,242
B	**Fixed Assets - Not in use (Idle + Damaged)**						
1	Opening balance as on 01.04.2017		31,09,70,247		22,59,60,669		8,50,09,578
2	Transfer from fixed assets - in use	25,37,98,908		12,65,16,517		12,72,82,391	
3	Transferred to fixed assets - in use	(9,93,25,732)		(5,23,65,332)		(4,69,60,400)	
4	Net Addition in fixed assets not in use		15,44,73,176		7,41,51,185		8,03,21,991
5	Assets sold/disposed off during the year		(26,87,724)		(24,18,952)		(2,68,772)
6	Impairment booked during the year		-		3,58,46,100		(3,58,46,100)
	Closing balance as on 31.03.2018		46,27,55,699		33,35,39,002		12,92,16,697
	Total as on 31.03.2018		95,09,09,12,487		24,41,48,97,548		70,67,60,14,939

vi Net Cash flow (Increase)/decrease in PPE and Intangible Assets: 5,77,79,08,074 (5,78,30,53,024 (Addition) - 26,53,661 (W.D.V. of assets sold) - 24,91,289 (Dep. Capitalized)

vii Details of Impairment Loss included in the Accumulated Depreciation as on 31.03.2018:

Sr. No.	Particulars	Amount
1	Opening balance of impairment loss as on 01.04.2017	5,01,10,213
2	Add: Impairment loss booked during the year	3,58,46,100
3	Less: Reversal of Impairment loss during the year	-
4	Total Impairment loss booked as on 31.03.2018	8,59,56,313

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Note 4 : Capital Work in Progress

(Amount in Rupees)

Sr. No.	Particulars	Account Code	As at 31st March, 2018	As at 31st March, 2017
1	Capital works in progress	14	4,50,91,24,535	5,42,47,03,458
2	Contracts in progress :			
i	400 KV Rajpura Project	15.102	80,49,768	1,01,29,75,888
ii	400 KV Talwandi Sabo Project	15.103	-	21,14,42,742
3	Materials issued to Suppliers/Contractors	25	8,32,961	28,65,836
	Total		4,51,80,07,264	6,65,19,87,924

Note 4.1 : Details of capital work in progress

(Amount in Rupees)

	Particulars	As at 31st March, 2018	As at 31st March, 2017
	Opening Capital work in progress	6,65,19,87,924	7,61,64,92,987
Add	Addition during the year including capitalization of interest, employee cost & other expenses	3,51,01,40,995	4,00,19,80,034
Less	Transferred to Fixed Assets during the year	5,64,41,21,655	4,96,64,85,097
	Closing capital work in progress*	4,51,80,07,264	6,65,19,87,924

* The Capital work in progress and Contract in progress includes capitalisation of interest of Rs. 39,75,59,007/- (on money borrowed and utilised for construction of the transmission projects), establishment cost of Rs. 39,08,16,885/-, R&M expenses of Rs. 39,16,422/-, A&G expenses of Rs.4,85,04,846/- and Depreciation of Rs.24,91,289/- during FY 2017-18.

Note 5 : Capital Stores

(Amount in Rupees)

Sr. No.	Particulars	Account code	As at 31st March, 2018	As at 31st March, 2017
1	Stores & Spares			
i	Materials at stores	22.601 to 22.619	97,69,25,099	1,30,54,57,201
ii	Materials at site	22.640	1,11,89,999	1,70,06,791
iii	Materials at estimated relisable value of stock lost in fire	22.770	7,17,750	-
	Total Stores (A)		98,88,32,848	1,32,24,63,992
2	Less: Provisions for			
i	Obsolete items	22.905	(1,65,075)	(5,78,65,864)
ii	Unservicable items	22.906	(18,61,040)	(58,73,025)
	Total Provisions (B)		(20,26,115)	(6,37,38,889)
	Net Stores (A-B)		98,68,06,733	1,25,87,25,103

Note 5.1 :

i Physical verification of the Stores have been carried out at the unit level on 31.03.2018 and no discripency has been reported.

ii Provision for obsolete items of Rs.5,78,65,864/-made during previous year reduced to Rs.1,65,075/- during current year.

iii Provision for unservicable items of Rs.58,73,025/- made during previous year reduced to Rs.18,61,040/- during current year.

Note 5.2 :

Provision in respect of obsolete & unservicable items have been made after considering the estimated relisable value as on 31.03.2018 as per the directions issued by CAG vide Mangement letter no. Audit/AA/PSTCL/16-17 (18-19)/103 dated 25.04.2018.

Gross Amount of Capital work in progress & capital stores (Note 4+5)	5,50,48,13,997	7,91,07,13,027

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Note 6 : Other Non Current Financial Assets *(Amount in Rupees)*

Sr. No.	Particulars	Account code	As at 31st March, 2018	As at 31st March, 2017
1	Amount recoverable from staff	28.360	2,32,825	1,93,283
2	Other Receivables	28.868	2,32,29,690	3,91,97,436
3	Amount under investigation	28.870	3,08,59,499	3,88,397
	Total A		5,43,22,014	3,97,79,116
4	Less : Provision for losses under investigation B	28.951	(3,08,59,499)	(3,88,397)
	Net (A-B)		2,34,62,515	3,93,90,719

Note 7 : Other Non Current Assets *(Amount in Rupees)*

Sr. No.	Particulars	Account code	As at 31st March, 2018	As at 31st March, 2017
	Unsecured considered Good			
1	Deposits/Securities	28.914 & 28.919	73,20,297	21,15,785
2	**Inter Unit Transfer prior to 16.04.2010**			
i	Inter Unit Transfer (prior to 16.04.2010)	30-37	1,72,41,808	1,72,41,808
ii	Blank U Cheque (prior to 16.04.2010)	39000	54,67,39,176	54,67,39,176
	Grand Total		57,13,01,281	56,60,96,769

Note 8 : Inventories *(Amount in Rupees)*

Sr. No.	Particulars	Account code	As at 31st March, 2018	As at 31st March, 2017
	Stores & Spares (O&M)			
1	Materials at stores	22.621 to 22.639	16,33,25,831	19,74,01,863
2	Materials at site	22.650	1,34,78,306	61,54,310
	Total Stock & Spares (A)		17,68,04,137	20,35,56,173
3	Less: Provisions for			
i	Difference in value of stock & spares	22.901	-	(1,66,55,828)
ii	Obsolete items	22.902	(50,494)	(31,24,944)
iii	Unservicable items	22.903	(28,21,327)	(38,62,539)
	Total Provisions (B)		(28,71,821)	(2,36,43,311)
	Net Stores & Spares (A-B)		17,39,32,316	17,99,12,862

Note 8.1 :

i Physical verification of the Stores have been carried out at the unit level on 31.03.2018 and no discripency has been reported.

ii Rs.1,66,55,828/- on account of difference in value of stock & spares has been written off and provision already created in the FY 2013-14, for the same has been withdrawn in FY 2017-18.

iii Provision for obsolete items of Rs.31,24,944/-made during previous year reduced to Rs.50,494/- during current year.

iv Provision for unservicable items of Rs.38,62,539/- made during previous year reduced to Rs.28,21,327/- during current year.

Note 8.2 :

Provision in respect of obsolete & unservicable items have been made after considering the estimated relisable value as on 31.03.2018 as per the directions issued by CAG vide Mangement letter no. Audit/AA/PSTCL/16-17 (18-19)/103 dated 25.04.2018.

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Note 9 : Trade Receivables

(Amount in Rupees)

Sr. No.	Particulars	Account Code	As at 31st March, 2018	As at 31st March, 2017
1	Sundry debtors	23.8		
	Unsecured and considered Good			
i	Exceeding Six months		24,53,32,246	24,53,32,246
ii	Others		2,98,62,50,491	5,59,87,86,147
	Total		3,23,15,82,737	5,84,41,18,393

Note 9.1 : In the opinion of Company, trade receivables as stated in the accounts will be realized in the ordinary course of Business.

Note 9.2 : The detailed breakup of trade receivables as at March 31, 2018 are as under:

(Amount in Rupees)

Sr. No.	Particulars	Account Code	Exceeding 6 Months	Others	Total
i	PSPCL - Transmission charges	23.831	-	2,96,95,02,000	2,96,95,02,000
ii	PSPCL - SLDC charges	23.832	-	1,64,00,000	1,64,00,000
iii	Open Access Customers	23.801	4,32,246	3,48,491	7,80,737
iv	Government of Punjab (GOP)*	23.833	24,49,00,000	-	24,49,00,000
	Total		24,53,32,246	2,98,62,50,491	3,23,15,82,737

* The amount recoverable from GOP is on account of carrying cost as decided by PSERC in different tariff orders.

Note 10 : Cash & Cash equivalents

(Amount in Rupees)

Sr. No.	Particulars	Account code	As at 31st March, 2018	As at 31st March, 2017
1	Cash at Bank	24.130 & 24.401	9,41,69,033	14,88,630
2	Postage stamps in hand	24.120	47,498	39,462
	Total		9,42,16,531	15,28,092

Note 10.1 : Disclosure in respect of amendment of Ind AS - 7 regarding changing in liabilities arising in financing activities:
As per paragraph 44 A to 44 E inserted vide notification no. G.S.R.258(E) dated 17th March, 2017 - Changes in financial liabilities arising from cash and non-cash changes are as under:

(Amount in Rupees)

Sr. No.	Particulars	As on 31.03.2017	Received			Repayment			As on 31.03.2018
			Cash	Non Cash	Total	Cash	Non Cash	Total	
1	Borrowings including current maturities (Refer Note No. [illegible])	48,58,53,65,328	10,12,65,08,988	29,41,068	10,12,94,50,056	9,77,75,40,853	-	9,77,75,40,853	48,93,72,74,531
2	Borrowings - CC Limit & short term (Refer Note No. [illegible])	2,08,80,94,943	1,00,00,00,000	-	1,00,00,00,000	2,08,16,28,717	-	2,08,16,28,717	1,00,64,66,226
3	Deferred income/liability - PSPCL Loan (Refer Note No. [illegible])	4,88,22,281	-	-	-	-	29,41,068	29,41,068	4,58,81,213
	Total	50,72,22,82,552	11,12,65,08,988	29,41,068	11,12,94,50,056	11,85,91,69,570	29,41,068	11,86,21,10,638	49,98,96,21,970

Note 11 : Other Current Financial Assets

(Amount in Rupees)

Sr. No.	Particulars	Account code	As at 31st March, 2018	As at 31st March, 2017
1	Advances to Suppliers/ Contractors (O&M)	26.1 to 26.8	3,56,837	59,773
2	Receivables from PGCIL	28.1	5,02,82,805	5,98,33,707
3	Amount recoverable from Employees	28.4	89,23,236	89,65,732
4	Amount recoverable from Suppliers	28.810	14,91,896	24,79,555
	Total		6,10,54,774	7,13,38,767

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Note 12 : Current Tax Assets (Net)

(Amount in Rupees)

Sr. No.	Particulars	Account Code	As at 31st March, 2018	As at 31st March, 2017
1	Advance Income tax/Tax deducted at source	27.4	50,04,61,581	39,87,59,336
2	Less: Provision for Income Tax	46.800	(1,02,63,800)	(1,02,63,800)
	Total		**49,01,97,781**	**38,84,95,536**

Note 12.1 : Detail of current tax & liabilities

Financial Year	Particulars		As at 31st March, 2018	As at 31st March, 2017
2015-16	TDS/TCS		1,33,978	19,17,77,371
	Total Tax paid		1,33,978	19,17,77,371
less:	Provision for income tax		-	-
	Current Tax Assets	A	1,33,978	19,17,77,371
2016-17	TDS/TCS (AY 2017-18)		20,69,81,965	20,69,81,965
less:	Provision for income tax		1,02,63,800	1,02,63,800
	Current Tax Assets	B	19,67,18,165	19,67,18,165
2017-18	TDS/TCS (AY 2018-19)		29,33,45,638	
less:	Provision for income tax		-	
	Current Tax Assets	C	29,33,45,638	
	Total Current Tax Assets (Net) (A+B+C)		49,01,97,781	38,84,95,536

Note 12.2 :

i Income tax assessments upto the FY 2014-15 (AY 2015-16) has been completed.

ii During FY 2017-18, a refund of Rs. 19,16,43,393/- on account of TDS/TCS pertaining to the FY 2015-16 (AY 2016-17) out of Rs. 19,17,77,371/- has been received alongwith interest of Rs. 1,91,64,327/- on the basis of e-processing of return on dated 23.11.2017. An amount of Rs. 1,33,978/- on account of TCS is still pending as receivable, the matter of which will be taken up during assessment proceeding of FY 2015-16.

Note 13 : Other Current Assets

(Amount in Rupees)

Sr. No.	Particulars	Account Code	As at 31st March, 2018	As at 31st March, 2017
1	Prepaid expenses	28.820	33,35,566	4,30,70,600
2	TA/Medical Advances	27.202 & 27.207	18,27,000	20,07,301
	Total		**51,62,566**	**4,50,77,901**

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Note 14 : Equity share capital

(Amount in Rupees)

Sr. No.	Particulars	Account Code	As at 31st March, 2018	As at 31st March, 2017
(a)	Authorised			
	3,00,00,00,000 Equity shares of Rs. 10/- each		30,00,00,00,000	30,00,00,00,000
	Total		30,00,00,00,000	30,00,00,00,000
(b)	Issued, subscribed and fully paid-up			
	60,58,83,465 equity shares of Rs. 10/- each fully paid up	54.5	6,05,88,34,650	6,05,88,34,650
	Total		6,05,88,34,650	6,05,88,34,650

Note 14.1 : The company has only one class of shares i.e. equity shares having a par value of Rs.10/- each per share. Each holder of equity share is entitled to one vote per share.

Note 14.2 : Reconciliation of Shares outstanding

Sr. No.	Name of Shareholder	As at 31st March, 2018		As at 31st March, 2017	
		Number	Amount	Number	Amount
1	Shares outstanding at the beginning of the year	60,58,83,465	6,05,88,34,650	60,58,83,465	6,05,88,34,650
2	Shares issued during the year	-	-	-	-
3	Shares bought back during the year	-	-	-	-
4	Shares outstanding at the end of the year	60,58,83,465	6,05,88,34,650	60,58,83,465	6,05,88,34,650

Note 14.3 : Share holders holding more than 5% equity shares of the company

Sr. No.	Name of Shareholder	Class of Share	As at 31st March, 2018		As at 31st March, 2017	
			No. of Shares	Percentage	No. of Shares	Percentage
1	Governer of Punjab	Equity	60,58,33,465	99.99	60,58,33,465	99.99
	Total		60,58,33,465	99.99	60,58,33,465	99.99

Note 14.4 : Details of other Share holdings

Sr. No.	Name of Shareholder	As at 31st March, 2018	As at 31st March, 2017
		No. of Shares	No. of Shares
1	Sh. Karan Avtar Singh, IAS	5,000	5,000
2	Sh. Anirudh Tewari, IAS	5,000	0
3	Sh. A. Venu Prasad, IAS, Principal Secy/Power	5,000	5,000
4	Sh. Ravinder Kumar Kaushik	5,000	0
5	Sh. Krishan Kumar, IAS	5,000	5,000
6	Sh.Vivek Pratap Singh, IAS	2,500	5,000
7	Sh. A. Venu Prasad, IAS, CMD, PSTCL	5,000	5,000
8	Sh. A. Venu Prasad, IAS, CMD, PSPCL	5,000	0
9	Sh. Kumar Amit, IAS	2,500	0
10	Sh. Gurpreet Singh Khaira, Municipal Commissioner	2,500	0
11	Sh. A.S.Miglani, IAS, Divisional Commissioner	2,500	0
12	Sh. Subash Chand Arora, Director/Fin., PSPCL	2,500	5,000
13	Sh. Jatinder Kumar Goyal, Director/F&C, PSTCL	2,500	0
14	Sh. Daljit Singh Mangat, IAS	0	5,000
15	Sh. Satish Chandra, IAS	0	5,000
16	Er. Karan Deep Chaudhri, CMD, PSPCL	0	5,000
17	Sh. Umakanta Panda, Director/F&C, PSTCL	0	5,000
	Total	50,000	50,000

All the above share holders are nominees of Punjab Government.

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Note 15 : Other Equity

(Amount in Rupees)

Sr. No.	Particulars		Account Code	As at 31st March, 2018	As at 31st March, 2017
1	**General Reserve**				
	Opening Balance		56.1	2,00,05,121	2,00,05,121
	Add : Addition during the year			-	-
	Less : Utilized/transferred during the year			-	-
	Closing balance	A		**2,00,05,121**	**2,00,05,121**
2	**Capital Reserve**				
	Opening Balance		56.2	18,62,10,78,408	18,62,10,78,408
	Add : Addition during the year			-	-
	Less : Utilized/transferred during the year			-	-
	Closing balance	B		**18,62,10,78,408**	**18,62,10,78,408**
3	**Profit & Loss Account (Surplus Account)**				
	Opening Balance as per Profit & Loss Account			3,90,78,67,487	3,86,00,68,520
	Add :Net Profit/(Loss) after tax for the current year			5,00,02,205	4,93,89,799
	Add: Other Comprehensive Income directly recognised in surplus balance- Remeasurement of Actuarial			(96,89,760)	(15,90,832)
	Closing balance of Profit & Loss Account	C		**3,94,81,79,932**	**3,90,78,67,487**
	Total (A+B+C)			**22,58,92,63,461**	**22,54,89,51,016**

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Note 16 : Borrowings

(Amount in Rupees)

Sr. No.	Particulars	Date of Availment of Loan	Date of Maturity of Loan	Account Code	Non Current Liabilities as at 31st March, 2018	Non Current Liabilities as at 31st March, 2017
A	Secured					
1	**Term Loans from Life Insurance Corp. of India**					
i	11% (Fixed) payable annually secured against Hypothecation of assets & Default Escrow	16.04.2010	15.07.2018	52.501	-	11,13,33,000
	Total				-	11,13,33,000
2	**Term Loans from Rural Electrification Corporation**					
i	10.25% to 12.25% p.a. secured against Punjab State Government Guarantee & Default Escrow	16.04.2010	31.03.2019	53.301	-	2,39,19,066
ii	10.25% to 12.25% p.a. secured against Punjab State Government Guarantee, Hypothecation of assets & Default Escrow	16.04.2010	15.02.2020 to 15.02.2021	53.301	44,94,01,409	72,66,32,693
iii	10.25% to 12.25% p.a. secured against Hypothecation of assets & Default Escrow	16.04.2010	15.06.2022 to 15.08.2022	53.301	31,18,80,268	38,98,50,334
iv	10.25% to 12.25% p.a. secured against Hypothecation of assets & Default Escrow	07.09.2010 to 31.03.2018	15.09.2028 to 15.03.2036	53.301	25,60,96,23,285	25,71,45,74,811
v	11 to 12.25% secured against Punjab Govt. Guarantee & Default Escrow	18.06.2015	04.04.2018	53.301	-	24,99,99,998
vi	10.25% to 10.50% secured against Punjab Govt. Guarantee & Default Escrow	09.09.2016	09/2026	53.301	2,00,00,00,000	2,00,00,00,000
vii	10.25% to 12.25% p.a. secured against Hypothecation of assets & Default Escrow (SLDC)	20.02.2013 to 31.03.2018	15.02.2031 to 15.03.2036	53.301	7,28,88,471	6,34,74,249
	Total				28,44,37,93,433	29,16,84,51,151
3	**Term Loan from NABARD**					
	10.00% to 10.25% p.a. secured against Hypothecation of assets & Default Escrow	11.02.2015 to 31.03.2018	01.04.2018 to 31.03.2032	53.400	1,96,02,56,277	1,97,58,55,000
4	**Term Loan from PFC**					
i	9.90% to 10.00% secured against Punjab Govt. Guarantee & Default Escrow	10.10.2016	2027-28	53.801	5,00,00,00,000	3,00,00,00,000
ii	9.70% secured against Mortgage of Assets & Default Escrow	28.03.2018	04/2026	53.801	4,95,57,00,000	-
	Total				9,95,57,00,000	3,00,00,00,000
5	**Term Loan from State Bank of India**					
	MCLR + 2.70% Medium Term secured against Punjab Govt. Guarantee, stock & Default Escrow	05.01.2015	31.10.2019	53.501	7,21,73,269	27,99,34,989
6	**Term Loan from Bank of India**					
i	MCLR + 1.90% secured against Punjab Govt. Guarantee & Default Escrow	30.12.2014	31.12.2024	53.510	68,74,54,230	81,24,96,261
ii	MCLR + 1.90% secured against Punjab Govt. Guarantee & Default Escrow	30.12.2015	31.12.2025	53.510	2,03,11,36,982	2,34,37,40,859
	Total				2,71,85,91,212	3,15,62,37,120
7	**Term Loan from UCO Bank**					
	MCLR + 0.10 secured against Punjab Govt. Guarantee & Default Escrow	20.11.2017	11/2020	53.509	83,33,24,795	-
	Total Secured borrowings (A)				43,98,38,38,986	37,69,18,11,260

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Note 16 : Borrowings - Contd...

(Amount in Rupees)

Sr. No.	Particulars	Date of Availment of Loan	Date of Maturity of Loan	Account Code	Non Current Liabilities as at 31st March, 2018	Non Current Liabilities as at 31st March, 2017
B	Unsecured					
1	Term Loan from PSPCL					
i	PNB Base Rate + 1.50% p.a.	23.03.2011	28.03.2018	53.811	-	4,95,57,45,100
ii	Interest free (11KV VCB)	31.03.2017	31.03.2027	53.811	3,00,47,685	2,71,06,617
	Total				3,00,47,685	4,98,28,51,717
2	Term Loan from GPF Trust	16.04.2010	31.03.2023	57.120	87,81,94,423	1,09,77,43,039
	Total Unsecured borrowings (B)				90,82,42,108	6,08,05,94,756
	Grand Total (A + B)				44,89,20,81,094	43,77,24,06,016

Note 16.1 :

i Against the sanctioned Loan amount of Rs. 100.20 crore at Sr. No. 1 loan availed upto 31.03.2018 is Rs. 100.20 crore.

ii Against the sanctioned Loan amount of Rs. 5543.63 crore at Sr. No. 2 loan availed upto 31.03.2018 is Rs. 4113.44 crore.

iii Against the sanctioned Loan amount of Rs. 317.36 crore at Sr. No. 3 loan availed upto 31.03.2018 is Rs. 214.61 crore.

iv Against the sanctioned Loan amount of Rs. 995.57 crore at Sr. No. 4 loan availed upto 31.03.2018 is Rs. 995.57 crore.

v Against the sanctioned Loan amount of Rs. 60.00 crore at Sr. No. 5 loan availed upto 31.03.2018 is Rs. 60.00 crore.

vi Against the sanctioned Loan amount of Rs.350.00 crore at Sr. No. 6 loan availed upto 31.03.2018 is Rs. 350.00 crore.

vii Against the sanctioned Loan amount of Rs. 100.00 crore at Sr. No. 7 loan availed upto 31.03.2018 is Rs. 100.00 crore.

Note 16.2 :

Registration of charge, against term loan from PFC - Rs. 4,95,57,00,000 availed against immovable assets, is yet to be created (to be created within six months).

Note 16.3 : Loan from PSPCL (11KV VCB)

Interest free loan received from PSPCL (11KV VCB) amounting to Rs.7,59,28,898/-. This loan is shown at its fair value of Rs. 3,00,47,685/- and remaining amount of Rs. 4,58,81,213/- shown as Deferred Income/liability under non current liabilities (Note no. 18).

Note 16.4 : Term Loan from GPF Trust

Loan of Rs. 173.25 crore and interest thereon upto 31.03.2013 of Rs. 46.30 crore, total amounting to Rs. 219.55 crore was parked as per the Transfer Scheme, 2012 (first amendment) and is being paid in 10 yearly instalments starting from 01.04.2013.

Note 17 : Provisions

(Amount in Rupees)

Sr. No.	Particulars	Account Code	As at 31st March, 2018	As at 31st March, 2017
1	Provision for Gratuity	44.161	4,38,39,773	2,41,07,272
2	Provision for Leave encashment	44.162	6,81,72,873	6,97,14,108
	Total		11,20,12,646	9,38,21,380

Note 17.1 : As per Ind AS-19 provision towards gratuity and leave encashment in respect of the employees directly recruited by the company has been made during the year as per the valuation report of Actuary.

Note 18 : Other non current liabilities

(Amount in Rupees)

Sr. No.	Particulars	Account Code	As at 31st March, 2018	As at 31st March, 2017
1	Deposits for :-			
i	Deposit works	47.305	22,65,342	50,92,18,198
ii	Contribution works	47.309	27,12,06,319	77,09,70,797
2	Deferred income/liability - PSPCL loan.	53.861	4,58,81,213	4,88,22,281
	Total		31,93,52,874	1,32,90,11,276

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Note 19 : Borrowings

(Amount in Rupees)

Sr. No.	Particulars	Date of Availment of Loan	Date of Maturity of Loan	Account code	As at 31st March, 2018	As at 31st March, 2017
	Secured					
1	Cash credits from SBI					
	Cash credits limit Rs. 200 crores, MCLR + 2.50% secured against Stock/Debtors & Default Escrow	09/2017	Renewable Annually	50.1	64,66,226	1,08,80,94,943
2	Loan from PFC 10.25% to 10.50% net of rebate, secured against default Escrow (Sanctioned & availed limit Rs. 100.00 crore)	09/2017	09/2018	53.801	1,00,00,00,000	1,00,00,00,000
	Total				1,00,64,66,226	2,08,80,94,943

Note No. 19.1

Rs. 100 crore is availed from PFC and outstanding as on 31.03.2017 was repaid and new loan of Rs. 100 crores has been availed in FY 2017-18.

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Note 20 : Other Current Financial Liabilities

(Amount in Rupees)

Sr. No.		Particulars	Date of Availment of Loan	Date of Maturity of Loan	Account Code	As at 31st March, 2018	As at 31st March, 2017
		Current Maturity of Long term borrowings					
A		Secured					
1		Term Loans from Life Insurance Corp. of India					
	i	11% (Fixed) payable annually secured against Punjab Government Guarantee, Hypothecation of assets & Default Escrow	16.04.2010	15.07.2017	52.501	-	11,70,00,000
	ii	11% (Fixed) payable annually secured against Hypothecation of assets & Default Escrow	16.04.2010	15.07.2018	52.501	11,13,33,000	11,13,33,000
		Total				11,13,33,000	22,83,33,000
2		Term Loans from Rural Electrification Corporation					
	i	10.25% to 12.25% p.a. secured against Punjab State Government Guarantee & Default Escrow	16.04.2010	31.03.2019	53.301	2,39,19,072	3,51,26,350
	ii	10.25% to 12.25% p.a. secured against Punjab State Government Guarantee, Hypothecation of assets & Default Escrow	16.04.2010	15.02.2020 to 15.02.2021	53.301	27,72,31,285	27,72,31,285
	iii	10.25% to 12.25% p.a. secured against Hypothecation of assets & Default Escrow	16.04.2010	15.06.2022 to 15.08.2022	53.301	7,79,70,066	7,79,70,066
	iv	10.25% to 12.25% p.a. secured against Hypothecation of assets & Default Escrow	07.09.2010 to 31.03.2018	15.09.2028 to 15.03.2036	53.301	2,16,41,35,745	2,03,00,00,000
	v	12.25% secured against Punjab Govt. Guarantee & Default Escrow	24.09.2014	30.09.2017	53.301	-	49,99,99,995
	vi	11 to 12.25% secured against Punjab Govt. Guarantee & Default Escrow	18.06.2015	04.04.2018	53.301	24,99,99,998	1,00,00,00,000
	vii	10.25% to 12.25% p.a. secured against Hypothecation of assets & Default Escrow (SLDC)	20.02.2013 to 31.03.2018	15.02.2031 to 15.03.2036	53.301	32,24,039	35,00,000
		Total				2,79,64,80,205	3,92,38,27,696
3		Term Loan from State Bank of India MCLR + 2.70% Medium Term secured against Punjab Govt. Guarantee, stock & Default Escrow	05.01.2015	31.10.2019	53.501	16,00,00,000	16,00,00,000
4		Term Loan from NABARD 10.00% to 10.25% p.a. secured against Hypothecation of assets & Default Escrow	11.02.2015 to 31.03.2018	01.04.2018 to 31.03.2032	53.400	15,36,64,952	-
5		Term Loan from Bank of India					
	i	MCLR + 1.90% secured against Punjab Govt. Guarantee & Default Escrow	30.12.2014	31.12.2024	53.510	12,50,00,000	12,50,00,000
	ii	MCLR + 1.90% secured against Punjab Govt. Guarantee & Default Escrow	30.12.2015	31.12.2025	53.510	31,25,00,000	15,62,50,000
		Total				43,75,00,000	28,12,50,000
6		Term Loan from UCO Bank MCLR + 0.10 secured against Punjab Govt. Guarantee & Default Escrow	20.11.2017	11/2020	53.509	16,66,66,664	-
		Total Secured Loans (A)				3,82,56,44,821	4,59,34,10,696
B		Unsecured					
1		Term Loan from GPF Trust	16.04.2010	31.03.2023	57.120	21,95,48,616	21,95,48,616
		Total Unsecured Loans (B)				21,95,48,616	21,95,48,616
		Total current maturity of long term borrowings (A + B)				4,04,51,93,437	4,81,29,59,312

Refer Note No. 16.1

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Note 20 : Other Current Financial Liabilities - Contd... *(Amount in Rupees)*

Sr. No.	Particulars	Account Code	As at 31st March, 2018	As at 31st March, 2017
C	Others			
1	Creditors for Capital supplies/works	42	16,17,76,886	23,90,85,888
2	Creditors for O&M supplies/works	43	2,18,99,611	4,09,38,080
3	Staff related liabilities - other than statutory dues	44.2 & 3 and balance heads of 44.4	11,96,96,152	15,82,14,827
4	Deposit & retention money from suppliers & contractors*	46.1	25,11,38,292	32,23,15,772
5	Creditors for expenses	46.4	32,46,47,865	38,67,17,560
6	Interest accrued but not due on borrowings - LIC, REC, Comm. banks & PFC	46.7	19,23,16,780	16,11,94,895
7	ICT- Payables to PSPCL	46.946 to 46.952	13,80,18,344	47,70,24,581
8	Miscellaneous Liabilities	46.910, 46.926 & 46.957	11,22,15,584	11,65,60,212
	Total Others (C)		1,32,17,09,514	1,90,20,51,815
	Grand Total (A + B + C)		5,36,69,02,951	6,71,50,11,127

* This includes permanent earnest money deposits of Rs. 6,83,00,000 as at March 31, 2018 & Rs. 6,78,00,000 as at March 31, 2017 which is payable on demand.

Note 21 : Other Current Liabilities *(Amount in Rupees)*

Sr. No.	Particulars	Account Code	As at 31st March, 2018	As at 31st March, 2017
1	Liabilities for statutory dues - TDS, Service tax, VAT, GST etc.	46.923, 934, 935, 938, 941, 953 & 46.990 to 46.995	1,97,37,575	1,81,78,310
2	Liabilities towards payment of NPS:			
i	for employees on deputation/secondment from PSPCL.	57.160, 161, 165 & 166	1,40,620	1,40,620
ii	for employees recruited by PSTCL	57.170, 171, 175 & 176	8,36,808	8,53,414
3	Liabilities towards GPF Trust	57.126	2,40,41,021	2,31,16,235
4	Amount payable against Statutory dues recovered from employees.	44.401, 403, 405, 406, 407, 427 & 428	69,12,367	75,93,690
	Total		5,16,68,391	4,98,82,269

Note 22 : Provisions *(Amount in Rupees)*

Sr. No.	Particulars	Account Code	As at 31st March, 2018	As at 31st March, 2017
1	Provision for Gratuity	44.161	11,63,991	53,818
2	Provision for Leave encashment	44.162	20,90,814	7,50,116
	Total		32,54,805	8,03,934

Note 22.1 : As per Ind AS-19 provision towards gratuity and leave encashment in respect of the employees directly recruited by the company has been made during the year as per the valuation report of Actuary.

Note 23 : Deferred Revenue

Sr. No.	Particulars	Account Code	As at 31st March, 2018	As at 31st March, 2017
1	Consumer Contribution for creating fixed assets	55.1		
	Added during the year		45,55,44,629	-
	Less : Depreciation on such assets during the year		2,36,42,290	-
	Closing balance		43,19,02,339	-

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Note 24 : Revenue from Operations

(Amount in Rupees)

Sr. No.	Particulars	Account code	For the year ended 31st March, 2018	For the year ended 31st March, 2017
1	Transmission Charges from PSPCL	61.831	11,62,34,00,000	12,14,53,00,000
2	Transmission Charges from Open Access Customers	61.830	1,60,42,931	19,94,18,992
3	Transmission Charges from others	61.833	-	(14,56,00,000)
4	SLDC Charges from PSPCL	61.832	17,88,00,000	19,91,00,000
5	Operating charges from open access customers	62.810	63,88,344	3,33,59,572
	Total		11,82,46,31,275	12,43,15,78,564

Note 24.1 :

During FY 2017-18, total revenue of Rs. 1180.22 crores has been recognised based on the review of FY 2017-18 and true-up of FY 2016-17 as per tariff order issued by PSERC for FY 2018-19. This comprises of Rs. 1162.34 crores for transmission charges and Rs. 17.88 crores of SLDC charges from PSPCL.

Note 25 : Other income

(Amount in Rupees)

Sr. No.	Particulars	Account code	For the year ended 31st March, 2018	For the year ended 31st March, 2017
1	Income from sale of scrap	62.3	1,00,94,245	75,04,777
2	Gain on :			
	- sale of land	62.4	95,29,412	-
	-sale of other fixed assets	62.4	4,06,571	50,26,874
3	Income from staff welfare activities	62.6	78,936	82,065
4	Rental for staff quarters	62.901	35,69,323	41,97,737
5	Sale of tender forms	62.903	13,21,342	8,62,853
6	NOC charges from Open access customers	62.922	25,40,000	1,28,25,000
7	Credit balances written back :			
	- Sundry creditors	62.912	11,44,925	16,70,16,382
	- Amount against Deposit/Contributory work	62.930	99,84,19,087	-
	- Security deposits/EMD	62.930	5,85,68,239	-
8	Rebate on early payment to NRLDC	62.973	21,23,912	20,07,567
9	Income from O&M of bays of PGCIL	62.974	5,51,97,000	5,75,81,000
10	Miscellaneous Income	Bal 62	9,62,77,523	4,06,72,662
	Total (A)		1,23,92,70,515	29,77,76,917
11	Interest received on refund of Income tax	62.211	1,91,64,327	1,37,46,337
12	Provision withdrawn on unserviceable/obsolete items & losses under investigation	65.8	6,58,28,436	85,28,598
	Total (B)		8,49,92,763	2,22,74,935
	Total (A + B)		1,32,42,63,278	32,00,51,852

Note 25.1 : Sundry Credit balances written back

Amount of Rs. 99,84,19,087/- is on account of non-refundable and unclaimed credits lying under deposit/contributory work (GH-47.305 & 47.309) written back during the year. Amount of Rs. 5,85,68,239/- is on account of unclaimed security deposits/EMD (excluding permanent earnest money deposit) written back during the year.

Note 25.2 : Miscellaneous Income

Rs. 2,53,26,371/- on account of delayed delivery penalty etc. imposed on supplier/contractor is included in the total amount of Rs. 9,62,77,523/-

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Note 26 : Employee benefits expense

(Amount in Rupees)

Sr. No.	Particulars	Account code	For the year ended 31st March, 2018	For the year ended 31st March, 2017
1	Salaries	75.1 except 75.190	79,99,68,676	80,49,56,757
2	Expenses for engagement of manpower through outsourcing agencies	75.190	23,96,26,199	22,16,26,502
3	Overtime	75.2	4,65,95,354	4,21,56,463
4	Dearness Allowance	75.3	97,88,18,802	95,26,88,271
5	Other Allowances	75.4	16,63,40,231	16,51,50,476
6	Bonus	75.5	5,75,214	14,73,138
	Total (A)		**2,23,19,24,476**	**2,18,80,51,607**
7	Medical expenses reimbursement	75.641-655	1,02,51,851	1,67,84,345
8	Leave Travel Assistance/Concession	75.612, 613 & 616	16,60,324	12,94,443
9	**Employee expenses towards:**			
i	NPS, CPF, PF, LWF	75.810, 815, 820, 825, 835, 840	4,14,73,690	3,65,53,878
ii	Miscellaneous - P.F inspection fees, solatium, Momento etc.	75.850, 851, 870, 871, 872	41,78,411	38,38,351
	Total (B)		**5,75,64,276**	**5,84,71,017**
10	**Staff Welfare Expenses**			
i	Electricity Concession to Employees	75.761	1,68,07,931	1,68,92,219
ii	Staff Welfare Expenses	Bal. 75.7	8,00,845	17,27,075
	Total (C)		**1,76,08,776**	**1,86,19,294**
11	**Terminal Benefits**			
i	Share of Pension, Gratuity & Medical	Bal. 75.8	2,58,71,40,562	2,32,30,08,962
ii	Share of Leave Encashment	75.617 & 618	20,73,41,880	22,01,03,875
	Total share @ 11.36% as per transfer scheme (D)		**2,79,44,82,442**	**2,54,31,12,837**
12	Provision for gratuity and leave encashment for employees recruited by PSTCL	75.881	1,09,52,377	4,56,69,002
	Total (E)		**1,09,52,377**	**4,56,69,002**
	Grand Total(A+B+C+D+E)		**5,11,25,32,347**	**4,85,39,23,757**
13	Less: Employee costs capitalized	Bal. 75.9	39,08,16,885	43,43,09,897
	Total	75.9	**39,08,16,885**	**43,43,09,897**
	Net Total		**4,72,17,15,462**	**4,41,96,13,860**

Note 26.1 : Details of provision for Gratuity and leave encashment

Sr. No.	Particulars	2018	2017
1	Amount debited (as per Trial Balance)	2,06,42,137	4,65,79,271
2	Ind AS adjustment - Acturial Valuation	-	6,80,563
3	Transferred to OCI as income (Note No. 34)	(96,89,760)	(15,90,832)
4	**Balance at the end of the year**	**1,09,52,377**	**4,56,69,002**

Note 26.2 : Employee benefits expenses - Electricity Concession to PSTCL Employees working on deputation from PSPCL

The employees on deputation from PSPCL are entitled to electricity concession under the provisions of the Transfer Scheme, 2010. As agreed with PSPCL, the total concession availed by the employees of both PSPCL and PSTCL have been apportioned between the two companies in the ratio of average number of employees during the period under report.

Note 26.3 : Employee benefits expenses - Terminal benefits

Some of the employees working in PSTCL covered under the Pension Scheme are on deputation/ secondment from PSPCL. Pursuant to the Punjab Power Sector Reforms Transfer (First Amendment) Scheme 2012, the Terminal Benefit Trust in respect of pension, gratuity and leave encashment shall be progressively funded by Powercom and Transco respectively, in the ratio of 88.64 : 11.36, over a period of 15 financial years commencing from 1st April, 2014. PSERC is not allowing progressive funding to PSTCL on the ground that the tariff regulations of PSERC provides for payment of terminal liabilities on the principle of "Pay as you go" basis. Therefore, the amount of Rs.2,79,44,82,442/- being 11.36% of total amount as intimated by PSPCL has been taken into account being the amount paid during the year and no provision has been made for progressive funding as per Punjab Power Sector Reforms Transfer (First Amendment) Scheme 2012.

Note 26.4 - Ind AS-19 is not applicable in respect of employees working in PSTCL on deputation/secondment from PSPCL.

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Note 27 : Finance Costs *(Amount in Rupees)*

Sr. No.	Particulars	Account code	For the year ended 31st March, 2018	For the year ended 31st March, 2017
	Interest on Loans from :			
1	Life Insurance Corporation	78.501	1,94,72,816	4,46,59,011
2	Rural Electrification Corporation	78.531	3,42,95,03,086	3,84,09,13,134
3	NABARD	78.541	21,08,93,013	18,08,59,347
4	Commercial Banks	78.551	42,95,53,392	47,54,38,106
5	PFC	78.582	46,95,69,347	12,11,23,289
6	PSPCL	78.596	52,61,57,568	53,07,81,551
7	Short Term borrowings	78.700	20,70,35,680	27,92,12,475
8	GPF Trust	78.852	9,45,76,247	11,55,92,922
	Total (A)		**5,38,67,61,149**	**5,58,85,79,835**
	Other interest & finance charges:			
9	Guarantee charges	78.884	5,00,00,001	10,00,00,000
10	Miscellaneous interest/finance charges	Bal. 78	38,29,660	36,03,658
	Total (B)		**5,38,29,661**	**10,36,03,658**
	Total (A+B)		**5,44,05,90,810**	**5,69,21,83,493**
11	Less : Interest capitalized	78.9	39,75,59,007	61,81,87,295
	Net Total		**5,04,30,31,803**	**5,07,39,96,198**

Note 27.1: The Company is regular in making the payment of Principal and Interest thereon to the Banks, Financial Institutions & other lenders and has not defaulted debt servicing during the year.

Note 28 : Depreciation, Amortization & Impairment Expenses *(Amount in Rupees)*

Sr. No.	Particulars	Account Code	For the year ended 31st March, 2018	For the year ended 31st March, 2017
	Depreciation on :			
1	Buildings	77.120	4,92,48,019	4,22,30,295
2	Civil Works	77.140	14,03,691	12,53,488
3	Plant & Machinery	77.150	1,32,65,43,107	1,30,97,84,037
4	Lines & Cables	77.160	1,28,93,05,858	1,25,03,92,228
5	Vehicles	77.170 to 77.173	19,12,145	12,91,376
6	Furniture & Fixtures	77.180	22,79,140	20,91,686
7	Office Equipment	77.190	79,90,909	95,75,266
8	Impairment loss	77.755	3,58,46,100	-
	Total		**2,71,45,28,969**	**2,61,66,18,376**
9	Less : (i) Depreciation capitalized	77.900	24,91,289	28,75,283
	(ii) Depreciation on fixed assets created through contribution work.	77.910	2,36,42,290	-
	Net Total		**2,68,83,95,390**	**2,61,37,43,093**

Note 29 : Repairs & Maintenance *(Amount in Rupees)*

Sr. No.	Particulars	Account code	For the year ended 31st March, 2018	For the year ended 31st March, 2017
1	Plant and Machinery			
	- On bays maintained by PGCIL	74.141	3,11,93,191	2,95,93,951
	- Others	Bal. 74.1	17,15,60,068	20,58,53,713
2	Buildings	74.2	1,37,97,489	1,26,57,037
3	Civil Works	74.3	52,36,404	66,15,305
4	Lines and cable net works	74.5	62,61,646	55,50,794
5	Vehicles	74.6	32,98,041	49,81,206
6	Furniture and Fixtures	74.7	3,33,858	63,126
7	Office Equipment	74.8	3,21,970	2,63,852
	Total		**23,20,02,667**	**26,55,78,984**
	Less: R&M expenses capitalized	Bal. 74.9	39,16,422	50,00,710
	Net Total		**22,80,86,245**	**26,05,78,274**

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Note 30 : Administration & General Expenses

(Amount in Rupees)

Sr. No.	Particulars	Account code	For the year ended 31st March, 2018	For the year ended 31st March, 2017
1	Rent, Rates & Taxes including lease rental	76.101 & 102	1,53,10,616	1,34,96,664
2	Insurance	76.104 & 106	4,99,157	2,86,029
3	Telephone & Postage	76.112 - 116	54,57,600	59,51,870
4	Legal Charges	76.121	32,49,854	42,46,630
5	Audit Fees	76.122	26,06,360	27,68,214
6	Consultancy/Technical Charges	76.123 & 76.124	16,52,885	20,05,341
7	Conveyance & Travel Charges	76.131-143	6,46,86,837	6,89,74,291
8	Fees & Subscription	76.129 & 76.151	52,11,466	53,08,731
9	Books & Periodicals	76.152	19,171	48,960
10	Printing & Stationery	76.153	28,01,753	24,17,836
11	Advertisement/Publicity expenses	76.155 & 76.183	7,29,292	26,80,815
12	Electricity/Water Charges	76.158 & 76.160	18,33,91,005	8,03,45,917
13	Expenses on Training	76.167	26,85,075	9,45,519
14	Hospitality	76.180-181 & 76.189	4,04,663	5,28,470
15	Contingency Expenses	76.190	1,37,09,481	1,82,81,728
16	Other expenses	Bal. 76.1	19,20,814	17,23,881
17	Material related expenses	76.2	2,16,19,602	2,10,62,137
18	Contribution made to PSTCL CSR Trust	76.3	22,29,825	-
	Total		32,81,85,456	23,10,73,033
19	Less: A&G expenses capitalized	76.9	4,85,04,846	5,12,82,750
	Net Total		27,96,80,610	17,97,90,283

Note 30.1 : Administration & General Expenses - Details of remuneration to Statutory Auditors (excluding S.Tax)

(Amount in Rupees)

Sr. No.	Particulars	For the year ended 31st March, 2018	For the year ended 31st March, 2017
	As an Auditor		
i	Tax Audit Fee	90,000	90,000
ii	Statutory Audit Fees	3,50,000	3,00,000
iii	Out of Pocket Expenses	71,130	67,804

Note 31 : ULDC Charges

(Amount in Rupees)

Sr. No.	Particulars	Account Code	For the year ended 31st March, 2018	For the year ended 31st March, 2017
1	ULDC Charges - SLDC own share	70.501	5,69,86,743	5,68,16,535
2	ULDC Charges - BBMB share	70.502	2,57,88,640	1,58,46,004
3	ULDC Charges - Central Sector share	70.503	-	33,14,822
4	NRLDC fees and charges	70.504	2,45,54,205	2,33,45,069
	Total		10,73,29,588	9,93,22,430

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Note 32 : Other Expenses/Debits *(Amount in Rupees)*

Sr. No.	Particulars	Account Code	For the year ended 31st March, 2018	For the year ended 31st March, 2017
1	Provision for value of obsolete stores	79.471	-	2,65,70,432
2	Provision for losses under investigation	79.483	3,04,71,102	-
3	Miscellaneous losses & write off	Bal 79	1,82,148	1,66,85,846
	Total		3,06,53,250	4,32,56,278

Note 32.1 : Miscellaneous losses & write off pertains to :-

i Rs. 1,24,468/- on account of compensation paid to staff under The Employee's Compensation Act, 1923..

ii Rs. 57,680/- written off on account of theft of material.

Note 33 : Tax Expense- Current tax *(Amount in Rupees)*

Sr. No.	Particulars	Account code	For the year ended 31st March, 2018	For the year ended 31st March, 2017
1	Provision for income tax	81.110	-	1,02,63,800
2	Short provision of income tax for the FY 2013-14 on the basis of final assessment order	83.850	-	16,76,401
	Total		-	1,19,40,201

Note 34 : Other Comprehensive Income *(Amount in Rupees)*

Sr. No.	Particulars	Account code	For the year ended 31st March, 2018	For the year ended 31st March, 2017
1	Items that will not be reclassified to Profit or Loss -Remeasurement of Acturial	75.881	(96,89,760)	(15,90,832)
	Total		(96,89,760)	(15,90,832)

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35 Disclosure in respect of Indian Accounting Standard (Ind AS)-37 "Provisions, Contingent Liabilities and Contingent Assets"

(a) Provisions

(Amount in Rupees)

Sr. No.	Particulars	Opening balance as at April 1, 2017	Additions/ Transfers during the year	Utilization during the year	Written-back during the year	Closing balance as at March 31, 2018
i	Provision for Leave Encashment	7,04,64,224	-	-	2,00,537	7,02,63,687
ii	Provision for Gratuity	2,41,61,090	2,08,42,674	-	-	4,50,03,764
iii	Provision for obsolete items (O&M)	31,24,944	-	-	30,74,450	50,494
iv	Provision for obsolete items (Capital)	5,78,65,864	-	-	5,77,00,789	1,65,075
v	Provision for unservicable items (O&M)	38,62,539	-	-	10,41,212	28,21,327
vi	Provision for unservicable items (Capital)	58,73,025	-	-	40,11,985	18,61,040
vii	Provision for losses under investigation	3,88,397	3,04,71,102	-	-	3,08,59,499
viii	Provision for difference in value of stock/spares (O&M)	1,66,55,828	-	1,66,55,828	-	-
	Total	18,23,95,911	5,13,13,776	1,66,55,828	6,60,28,973	15,10,24,886

(b) Contingent Liabilities:

(Amount in Rupees)

Particulars	March 31, 2018	March 31, 2017
Pending court cases - Others	20,94,386	27,96,474
Service Matter cases	2,23,022	2,59,551
Entry Tax & sales Tax	38,16,93,333	38,16,93,333
Total	38,40,10,741	38,47,49,358

(c) **Contingent Assets:** No contingent assets reported as on balance sheet date.

36 **Capital Commitments**

Estimated amount of contracts remaining to be executed on capital account is Rs. 58.46 Crores on March 31, 2018 and Rs. 166.62 Crores on March 31, 2017.

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37 Fair value of financial assets and financial liabilities measured at amortized cost (*Amount in Rupees*)

Particulars	March 31, 2018		March 31, 2017	
	Carrying Amount	Fair value	Carrying Amount	Fair value
Financial Assets:				
Non-current:				
Amount recoverable from staff *	2,32,825	2,32,825	1,93,283	1,93,283
Other receivables *	2,32,29,690	2,32,29,690	3,91,97,436	3,91,97,436
Current :				
Sundry debtors	3,23,15,82,737	3,23,15,82,737	5,84,41,18,393	5,84,41,18,393
Cash and cash equivalents	9,42,16,531	9,42,16,531	15,28,092	15,28,092
Advances to Suppliers/ Contractors (O&M)	3,56,837	3,56,837	59,773	59,773
Amount recoverable from employees	89,23,236	89,23,236	89,65,732	89,65,732
Receivables from PGCIL	5,02,82,805	5,02,82,805	5,98,33,707	5,98,33,707
Amount recoverable from Suppliers	14,91,896	14,91,896	24,79,555	24,79,555
Total Financial Assets	3,41,03,16,557	3,41,03,16,557	5,95,63,75,971	5,95,63,75,971
Financial Liabilities:				
Non-current:				
Long term borrowings	44,93,79,62,307	44,89,20,81,094	43,82,12,28,297	43,77,24,06,016
Current:				
Borrowings	1,00,64,66,226	1,00,64,66,226	2,08,80,94,943	2,08,80,94,943
Creditors for Capital supplies/works	16,17,76,886	16,17,76,886	23,90,85,888	23,90,85,888
Creditors for supply of Material - O&M	2,18,99,611	2,18,99,611	4,09,38,080	4,09,38,080
Deposit & retention money from suppliers & contractors	25,11,38,292	25,11,38,292	32,23,15,772	32,23,15,772
Creditors for expenses	32,46,47,865	32,46,47,865	38,67,17,560	38,67,17,560
SCT- Payables to PSPCL	13,80,18,344	13,80,18,344	47,70,24,581	47,70,24,581
Current maturity of long term loans	4,04,51,93,437	4,04,51,93,437	4,81,29,59,312	4,81,29,59,312
Interest accrued but not due on borrowings LIC etc.	19,23,16,780	19,23,16,780	16,11,94,895	16,11,94,895
Miscellaneous liabilities	11,22,15,584	11,22,15,584	11,65,60,212	11,65,60,212
Staff related liabilities	11,96,96,152	11,96,96,152	15,82,14,827	15,82,14,827
Total	51,31,13,31,484	51,26,54,50,271	52,62,43,34,367	52,57,55,12,086

*As no recovery period/ schedule is defined for these recoveries, So no discounting has been done in respect of amount recoverable from staff and other receivables reflected under non current financial asstes.

37.1 (i) The carrying amount of current financial instruments such as trade receivables, other assets, cash and cash equivalents and other liabilities are considered to be the same as their fair values, due to their short-term nature.

(ii) The carrying amount of non-current financial liabilities i.e. long term borrowings except loan from PSPCL (11KV-VCB) which is interest free, are financed at competetive interest rate. Hence carrying value are considered to be the same as their fair values.

(iii) Please refer Note 16.3 for discounting of PSPCL (11KV - VCB) loan.

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38 Disclosures in respect of Ind AS 107 - Financial Instruments

Financial Instruments by Categories

(a) The carrying value and fair value of financial instruments by categories for the year ended 31.03.2018.

(Amount in Rupees)

Particulars	Total carrying value as at March 31, 2018	Financial assets/ liabilities at FVTPL as at March 31, 2018	Financial assets/ liabilities at fair value through OCI as at March 31, 2018	Amortized cost as at March 31, 2018	Total fair value as at March 31, 2018
Financial Assets:					
Non-current:					
Amount recoverable from staff	2,32,825	-	-	2,32,825	2,32,825
Other receivables	2,32,29,690	-	-	2,32,29,690	2,32,29,690
Current :					
Sundry debtors	3,23,15,82,737	-	-	3,23,15,82,737	3,23,15,82,737
Cash and cash equivalents	9,42,16,531	-	-	9,42,16,531	9,42,16,531
Advances to Suppliers/ Contractors (O&M)	3,56,837	-	-	3,56,837	3,56,837
Amount recoverable from employees	89,23,236	-	-	89,23,236	89,23,236
Receivables from PGCIL	5,02,82,805	-	-	5,02,82,805	5,02,82,805
Amount recoverable from Suppliers	14,91,896	-	-	14,91,896	14,91,896
Total	**3,41,03,16,557**	-	-	**3,41,03,16,557**	**3,41,03,16,557**
Financial Liabilities:					
Non-current:					
Long term borrowings	44,93,79,62,307	-	-	44,93,79,62,307	44,89,20,81,094
Current:					
Borrowings	1,00,64,66,226	-	-	1,00,64,66,226	1,00,64,66,226
Creditors for Capital supplies/works	16,17,76,886	-	-	16,17,76,886	16,17,76,886
Creditors for supply of Material - O&M	2,18,99,611	-	-	2,18,99,611	2,18,99,611
Deposit & retention money from suppliers & contractors	25,11,38,292	-	-	25,11,38,292	25,11,38,292
Creditors for expenses	32,46,47,865	-	-	32,46,47,865	32,46,47,865
ICT- Payables to PSPCL	13,80,18,344	-	-	13,80,18,344	13,80,18,344
Current maturity of long term loans	4,04,51,93,437	-	-	4,04,51,93,437	4,04,51,93,437
Interest accrued but not due on borrowings LIC etc.	19,23,16,780	-	-	19,23,16,780	19,23,16,780
Miscellaneous liabilities	11,22,15,584	-	-	11,22,15,584	11,22,15,584
Staff related liabilities	11,96,96,152	-	-	11,96,96,152	11,96,96,152
Total	**51,31,13,31,484**	-	-	**51,31,13,31,484**	**51,26,54,50,271**

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(b) The carrying value and fair value of financial instruments by categories for the year ended 31.03.2017. *(Amount in Rupees)*

Particulars	Total carrying value as at March 31, 2017	Financial assets/ liabilities at FVTPL as at March 31, 2017	Financial assets/liabilities at fair value through OCI as at March 31, 2017	Amortized cost as at March 31, 2017	Total fair value as at March 31, 2017
Financial Assets:					
Non-current:					
Amount recoverable from staff	1,93,283	-	-	1,93,283	1,93,283
Other receivables	3,91,97,436	-	-	3,91,97,436	3,91,97,436
Current :					
Sundry debtors	5,84,41,18,393	-	-	5,84,41,18,393	5,84,41,18,393
Cash and cash equivalents	15,28,092	-	-	15,28,092	15,28,092
Advances to Suppliers/ Contractors (O&M)	59,773	-	-	59,773	59,773
Amount recoverable from employees	89,65,732	-	-	89,65,732	89,65,732
Receivables from PGCIL	5,98,33,707	-	-	5,98,33,707	5,98,33,707
Amount recoverable from Suppliers	24,79,555	-	-	24,79,555	24,79,555
Total	**5,95,63,75,971**	-	-	**5,95,63,75,971**	**5,95,63,75,971**
Financial Liabilities:					-
Non-current:					
Long term borrowings	43,82,12,28,297	-	-	43,82,12,28,297	43,77,24,06,016
Current:					
Borrowings	2,08,80,94,943	-	-	2,08,80,94,943	2,08,80,94,943
Creditors for Capital supplies/works	23,90,85,888	-	-	23,90,85,888	23,90,85,888
Creditors for supply of Material - O&M	4,09,38,080	-	-	4,09,38,080	4,09,38,080
Deposit & retention money from suppliers & contractors	32,23,15,772	-	-	32,23,15,772	32,23,15,772
Creditors for expenses	38,67,17,560	-	-	38,67,17,560	38,67,17,560
ICT- Payables to PSPCL	47,70,24,581	-	-	47,70,24,581	47,70,24,581
Current maturity of long term loans	4,81,29,59,312	-	-	4,81,29,59,312	4,81,29,59,312
Interest accrued but not due on borrowings LIC etc.	16,11,94,895	-	-	16,11,94,895	16,11,94,895
Miscellaneous liabilities	11,65,60,212	-	-	11,65,60,212	11,65,60,212
Staff related liabilities	15,82,14,827	-	-	15,82,14,827	15,82,14,827
Total	**52,62,43,34,367**	-	-	**52,62,43,34,367**	**52,57,55,12,086**

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39 **Fair Value Hierarchy**

- Level 1 - Level 1 hierarchy includes financial instruments measured using quoted prices (unadjusted) in active markets.
- Level 2 - Level 2 hierarchy includes financial instruments measured using inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly (i.e. as prices) or indirectly (i.e. derived from prices).
- Level 3 - Level 3 hierarchy includes financial instruments measured using inputs that are not based on observable market data (unobservable inputs).

The following table present fair value hierarchy of assets and liabilities measured at fair value

(Amount in Rupees)

Particulars	March 31, 2018	March 31, 2017
Financial Liabilities at fair Value : Loan from PSPCL (11KV_VCB)*		
Level 1	-	-
Level 2	-	-
Level 3	3,00,47,685	2,71,06,617
Total	3,00,47,685	2,71,06,617
Valuation Technique and key inputs	DCF	DCF
Significant unobservable inputs	Interest rate of similar loan (i.e. 10.85%)	Interest rate of similar loan (i.e. 10.85%)

** Interest free loan received from PSPCL. Loan is shown at its fair value and remaining amount apeared in Deferred Income under non current liabilities using (DCF) Valuation technique and key inputs.*

40 **Financial risk management**

Financial risk factors

The Company's activities expose it to a variety of financial risks: market risk, credit risk and liquidity risk. The Company's primary focus is to foresee the unpredictability of financial markets and seek to minimize potential adverse effects on its financial performance.

Risk	Exposure arising from	Measurement	Remarks
Market risk- Interest rate	Long term borrowings at variable rate of interest	Sensitivity analysis	The Company has not taken any measure to avoid risk arising from interest rate. Since company is able to obtain finance at competitive interest rate
Credit risk	Cash and cash equivalent, trade receivables, financial instruments.	Ageing analysis Credit rating	Majority of receivable are from Government undertaking. They are unsecured but considered good.
Liquidity risk	Borrowings and other liabilities	Rolling cash flow forecasts	Maintaining adequate cash and cash equivalent

a) **Market Risk**

Interest rate risk

The company's main interest rate risk arise from long term borrowings with variable rates, which expose the company to cash flow interest rate risk. Company's borrowings are denominated in INR currency during March 31, 2018 and March 31, 2017.

The exposure of company's borrowings to interest rate changes at the end of reporting period are as follows:

(Amount in Rupees)

Particulars	March 31, 2018	March 31, 2017
Variable rate borrowings	5,51,60,46,664	10,17,75,65,481
Fixed rate borrowings	14,43,09,54,227	9,06,55,20,993
Total borrowings	19,94,70,00,891	19,24,30,86,474

The above table covers all variable rate borrowing except REC loan. The Company is availing loan in many trenches so it is very difficult/cumbersome and impracticable for them to figured out variable portion attached in the REC Loans as the same have been received in various trenches.

Sensitivity

Profit or loss is sensitive to higher/lower expense from borrowings as a result of change in interest rates. The table summarizes the impact of increase/decrease in interest rates on Profit or loss.

(Amount in Rupees)

Particulars	Impact on profit after tax	
	March 31,2018	March 31,2017
Interest rates- increase by 50 basis Pts	(19,77,98,569)	(20,91,69,147)
Interest rates- decrease by 50 basis Pts	19,77,98,569	20,91,69,147

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b) Credit Risk

Credit risk refers to the risk of default on its obligation by the counterparty resulting in a financial loss. The maximum exposure to the credit risk at the reporting date is primarily from trade receivables and unbilled revenue. Accordingly, credit risk from trade receivables has been separately evaluated from all other financial assets in the following paragraphs.

i) Trade Receivables

The company has outstanding trade receivables amounting to Rs.323.16 Crores (March 31, 2018) and Rs.584.41 Crores (March 31, 2017). Trade receivables are typically unsecured and are derived from revenue earned from customers.

Credit risk exposure

An analysis of age of trade receivables at each reporting date is summarized as follows:

(Amount in Rupees)

Particulars	March 31,2018		March 31,2017	
	Gross Amount	Impairment	Gross Amount	Impairment
Not due	1,15,39,49,999	-	79,89,94,000	-
Past due less than six months	1,83,23,00,492	-	4,79,97,92,147	-
Past due more than six months	24,53,32,246	-	24,53,32,246	-
Total	3,23,15,82,737	-	5,84,41,18,393	-

Trade receivables are impaired when recoverability is considered doubtful based on the recovery analysis performed by the company for individual trade receivables. The company considers that all the above financial assets that are not impaired and past due for each reporting dates under review are of good credit quality.

The company does not hold any collateral or other enhancements to cover its credit risks associated with its financial assets.

ii) Other financial assets

The Company held cash and cash equivalents of Rs. 9,42,16,531/- March 31, 2018 and Rs. 15,28,092/- March 31, 2017. The cash and cash equivalents are held with public sector banks and high rated private sector banks and do not have any significant credit risk.

c) Liquidity Risk

The company's principal sources of liquidity are cash and cash equivalents, cash generated from operations.

Company manages its liquidity needs by continuously monitoring cash inflows and by maintaining adequate cash and cash equivalents. Net cash requirements are compared to available cash in order to determine any shortfalls.

Short term liquidity requirements consists mainly of sundry creditors, expense payable, other payable arising during the normal course of business as at each reporting date. Company maintains a sufficient balance in cash and cash equivalents to meet its short term liquidity requirements.

Company assess long term liquidity requirements on a periodical basis and manage them through internal accruals.

The table below provides details regarding the contractual maturities of non-derivative financial liabilities.The amount disclosed in the table is the contractual undiscounted cash flows. The table includes both principal & interest cash flows.

(Amount in Rupees)

Particulars	Less than 6 months	6 months to 1 year	1-5 years	More than 5 years	Total
As at March 31, 2018					
Short Term Borrowing	1,00,00,00,000	64,66,226	-	-	1,00,64,66,226
Long Term Borrowing	2,25,27,71,889	1,79,24,21,548	18,79,48,88,461	26,14,30,73,846	48,98,31,55,744
Security Deposit	2,69,22,390	22,42,15,902	-	-	25,11,38,292
Other financial liability	-	1,07,05,71,222	-	-	1,07,05,71,222
Total	3,27,96,94,279	3,09,36,74,898	18,79,48,88,461	26,14,30,73,846	51,31,13,31,484
As at March 31, 2017					
Short Term Borrowing	1,00,00,00,000	1,08,80,94,943	-	-	2,08,80,94,943
Long Term Borrowing	2,70,14,08,000	2,11,15,51,312	17,11,33,26,000	26,70,79,02,297	48,63,41,87,609
Security Deposit	11,92,10,957	20,31,04,815	-	-	32,23,15,772
Other financial liability	-	1,57,97,36,043	-	-	1,57,97,36,043
Total	3,82,06,18,957	4,98,24,87,113	17,11,33,26,000	26,70,79,02,297	52,62,43,34,367

**The above figures are shown at their original carrying amount excluding Ind AS Adjustent*

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41 Capital Management

Risk Management:

The Company's objectives when managing capital are to:

1. Safeguard their ability to continue as a going concern, so that they can continue to provide returns for shareholders and benefits to other stakeholders, and
2. Maintain an optimal capital structure to reduce the cost of capital.

Consistent with others in the Industry, the Company monitors capital on the basis of following ratio:
Net Debt (Total Borrowings) divided by
Total 'Equity' as shown in the Balance Sheet

The debt –equity ratio of the Company is as follows :

(Amount in Rupees)

Particulars	As at March 31, 2018	As at March 31, 2017
Long term debt	48,93,72,74,531	48,58,53,65,328
Equity (including Capital Reserve)	28,64,80,98,111	28,60,77,85,666
Debt-Equity Ratio	1.71	1.70

42 Disclosure in respect of Indian Accounting Standard (Ind AS)-23 "Borrowing Costs"

The amount capitalized with Property, Plant & Equipment's as borrowing cost is Rs.39,75,59,007/- & Rs. 61,81,87,295/- for the year ended March 31, 2018 & March 31, 2017 respectively as per policy of borrowing cost as mentioned in significant accounting policies.

43 Disclosure in respect of Indian Accounting Standard (Ind AS)-36 "Impairment of assets"

The company has assessed there is no impairment of Fixed Assets being classified under major heads such as Land, Building, Plant and Machinery, Lines & Cables. In case of Assets not in use - Damaged/Unrepairable impairment loss of Rs. 3,58,46,100/- and Rs. NIL has recognised in March 2018 and March 2017 respectively.

44 Disclosure in respect of Indian Accounting standard (Ind AS) 17 "Leases"
As lessee
Operating Lease

a Future minimum lease payments under non-cancellable operating leases

(Amount in Rupees)

Particulars	For the year ended March 31, 2018	For the year ended March 31, 2017
Not later than 1 year	63,40,476	63,40,476
Later than 1 year and not later than 5 years	3,62,67,524	3,49,36,024
More Than 5 Years	20,30,12,099	21,06,84,075

45 Disclosure in respect of Indian Accounting standard (Ind AS)-108: "Operating Segments"
Based on the "management approach" as defined in Ind AS 108, the Chief Operating Decision Maker (CODM) evaluates the performance and allocates resources based on an analysis of various performance indicators by business segments.

45.1 Entity-Wide Disclosures-

1. Information about major customers

(Amount in Rupees)

Customer Name	Segment 1	
	March 31, 2018	March 31, 2017
Punjab State Power Corporation Limited	11,80,22,00,000	12,34,44,00,000

There is only one customer which contribute more than 10% of entity revenue.

2. Geographical Information

Revenue from external customers by location of operations and information about its non current assets* by location of assets are as follows:

(Amount in Rupees)

Particulars	Revenue from external customers		Non current Assets*	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
India (Punjab)	11,82,46,31,275	12,43,15,78,564	76,18,08,28,936	75,52,08,57,572
Total	11,82,46,31,275	12,43,15,78,564	76,18,08,28,936	75,52,08,57,572

* Non-current assets for this purpose consists of Property, Plant & Equipment and Capital work in progress.

3. Revenue from major products

Revenue from external customers for each product and service are as follow:-

(Amount in Rupees)

Particulars	March 31, 2018	March 31, 2017
Punjab State Power Corporation Limited	11,80,22,00,000	12,34,44,00,000
Total	11,80,22,00,000	12,34,44,00,000

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PUNJAB STATE TRANSMISSION CORPORATION LIMITED

46 **Disclosure in respect of Indian Accounting Standard (Ind AS)-19 "Employee Benefits"**
General description of various defined employee's benefits schemes are as under:
Employees recruited by PSTCL covered under the NPS scheme.

Gratuity and Leave Encashment

1 Summary of membership data

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Numbers of employees	922	560	922	560
Total Monthly Salary (in lacs)	276.50	221.58	276.50	221.58
Total Monthly Salary for leave availment (in lacs)	-	-	276.50	-
Average Past Service (Years)	3.28	3.82	3.28	3.82
Average Age (Years)	30.51	31.00	30.51	31.00
Average remaining working life (Years)	29.49	22.51	29.49	22.51
Leave balance considered on valuation date	-	-	68,976	-
Weighted average duration of PBO	20.75	-	20.75	-
Average accumulated leave per employees (days)	-	-	74.81	87.00

2 **Actuarial Assumptions**

a) Economic Assumptions

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Discounting Rate	7.71%	7.00%	7.71%	7.00%
Future Salary Increase	6.00%	5.00%	6.00%	5.00%

b) Demographic Assumptions

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Retirement Age (Years)	Class IV - 60 Yrs Others - 58 Yrs	Class IV - 60 Yrs Others - 58 Yrs	Class IV - 60 Yrs Others - 58 Yrs	Class IV - 60 Yrs Others - 58 Yrs
Mortality rates inclusive of provision for disablity	100% of IALM (2006-08)		100% of IALM (2006-08)	
Attrition at Ages	Withdrawl Rate (%)	Withdrawl Rate (%)	Withdrawl Rate (%)	Withdrawl Rate (%)
Less than 50 Years	1.00%	1.00%	1.00%	1.00%
Above 50 Years	2.00%	2.00%	2.00%	2.00%
Leave	-	-	68,976	-
Leave availment Rate	-	-	2.50%	-
Leave lapse rate while in service	-	-	-	-
Leave lapse rate on exit	-	-	-	-
Leave encashment rate while in service	-	-	-	-

3 **Actuarial Method:** **Projected Unit Credit Actuarial Method**

4 **Scale of Benefits**

Particulars	Gratuity	Leave
Salary for calculation of gratuity	Last drawn qualifying salary	Last drawn qualifying salary
Vesting period	5 years of service	NIL
Benefits on normal retirement	As per Gratuity rules applicable to State Government Employees (CSR Rules)	Maximum upto 300 days or Actual accumulation whichever is less
Benefit on early retirement/withdrawl/resignation	Same as normal retirement benefit based on service upto the date of exit.	Same as normal retirement benefit
Benefits on death in service	Same as normal retirement benefit based on service upto the date of death & no	
Limit	20.00 lacs	
Benefits		
1. Yearly accrual	-	22.81 days
2. Maximum accumulation	-	300 days
3. Total Leave Days	-	68,976
4. Availment in service (compensated absence)	-	Yes
5. Leave encashment in service	-	No
6. Leave encashment on exit	-	Yes
7. Month to be treated as	-	30 days

5 **Plan Liability**

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Present value of obligation as at the end of the period	4,50,03,764	2,41,61,090	7,02,63,687	7,04,64,224

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6 Service Cost

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Current Service cost	94,61,638	61,86,822	2,68,62,660	2,33,11,655
Past Service cost including curtailment Gains/Losses	-	-	-	-
Gains or Losses on Non routine settlements	-	-	-	-
Total Service Cost	94,61,638	61,86,822	2,68,62,660	2,33,11,655

7 Net Interest Cost

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Interest cost on defined benefit obligation	16,91,276	10,71,814	49,32,496	22,43,770
Interest income on Plan Assets	-	-	-	-
Net Interest cost (Income)	16,91,276	10,71,814	49,32,496	22,43,770

8 Change in Benefit Obligation

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Present value of obligation as at the beginning of the period	2,41,61,090	1,53,11,622	7,04,64,224	3,20,53,858
Acquisition adjustment	-	-	-	-
Interest cost	16,91,276	10,71,814	49,32,496	22,43,770
Service cost	94,61,638	61,86,822	2,68,62,660	2,33,11,655
Past service cost including curtailment Gains/Losses	-	-	-	-
Benefits Paid	-	-	-	-
Total Actuarial (Gain)/Loss on obligation	96,89,760	15,90,832	(3,19,95,693)	1,28,54,941
Present value of obligation as at the end of the period	4,50,03,764	2,41,61,090	7,02,63,687	7,04,64,224

9 Bifurcation of Actuarial Gain/Loss on obligation

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Actuarial (Gain)/Loss on arising from change in Demographic Assumption	-	-	-	-
Actuarial (Gain)/Loss on arising from change in Financial Assumption	22,94,971	31,12,856	38,26,672	-
Actuarial (Gain)/Loss on arising from Experience Adjustment	73,94,789	(15,22,024)	(3,58,22,365)	-
Total Actuarial (Gain)/Loss on obligation	96,89,760	15,90,832	(3,19,95,693)	1,28,54,941

10 Actuarial Gain/Loss on Plan Asset

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Expected Interest Income	-	-	-	-
Actual Income on Plan Asset	-	-	-	-
Actuarial Gain/(Loss) for the year on Asset	-	-	-	-

11 Balance Sheet and related analysis

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Present value of the obligation at end	4,50,03,764	2,41,61,090	7,02,63,687	7,04,64,224
Fair value of Plan Assets	-	-	-	-
Unfunded (Liability)/Provision in Balance Sheet	(4,50,03,764)	(2,41,61,090)	(7,02,63,687)	(7,04,64,224)

12 The amounts recognized in the income statement

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Total service cost	94,61,638	61,86,822	2,68,62,660	2,33,11,655
Net interest cost	16,91,276	10,71,814	49,32,496	22,43,770
Net actuarial (gain)/loss recognized in the period	-	-	(3,19,95,693)	1,28,54,941
Expenses recognized in the income statement	1,11,52,914	72,58,636	(2,00,537)	3,84,10,366

13 Other Comprehensive Income (OCI)

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Net cumulative unrecognized actuarial gain/(loss) opening	-	-	-	-
Actuarial gain/(loss) for the year on PBO	(96,89,760)	(15,90,832)	-	-
Actuarial gain/(loss) for the year on Asset	-	-	-	-
Unrecognized actuarial gain/(loss) at the end of the year	(96,89,760)	(15,90,832)		-

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14 Change in Plan Assets

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Fair value of plan assets at the beginning of the period	-	-	-	-
Actual return on plan assets	-	-	-	-
Employer contribution	-	-	-	-
Benefits paid	-	-	-	-
Fair value of plan assets at the end of the period	-	-	-	-

15 Major categories of plan assets (as percentage of total plan assets)

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Government of India Securities	-	-	-	-
State Government Securities	-	-	-	-
High Quality Corporate Bonds	-	-	-	-
Equity Shares of Listed Companies	-	-	-	-
Property	-	-	-	-
Funds managed by Insurer	-	-	-	-
Bank Balance	-	-	-	-
Total	-	-	-	-

16 Change in Net Defined Benefit Obligation

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Net defined benefit liability at the beginning of the period	2,41,61,090	1,53,11,622	7,04,64,224	3,20,53,858
Acquisition adjustment	-	-	-	-
Total Service cost	94,61,638	61,86,822	2,68,62,660	2,33,11,655
Net Interest cost (income)	16,91,276	10,71,814	49,32,496	22,43,770
Re - measurements	96,89,760	15,90,832	(3,19,95,693)	1,28,54,941
Contribution paid to the Fund	-	-	-	-
Benefit paid directly by the enterprise	-	-	-	-
Net defined benefit liability at the end of the period	4,50,03,764	2,41,61,090	7,02,63,687	7,04,64,224

17 Bifurcation of PBO at the end of the year in current and non-current

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
Current liability (Amount due within one year)	11,63,991	53,818	20,90,814	7,50,116
Non current liability (Amount due over one year)	4,38,39,773	2,41,07,272	6,81,72,873	6,97,14,108
Total PBO at the end of the year	4,50,03,764	2,41,61,090	7,02,63,687	7,04,64,224

18 Expected contribution for the next Annual reporting period

Particulars	Gratuity	Leave
Service cost	1,10,77,670	1,71,02,593
Net interest cost	34,69,790	54,17,330
Expected expenses for the next annual reporting period	1,45,47,460	2,25,19,923

19 Senstivity Analysis of the defined benefits obligation

Particulars	Gratuity		Leave	
	March 31, 2018	March 31, 2017	March 31, 2018	March 31, 2017
a) Impact of the Change in discount rate				
Present value of obligation at the end of the period	4,50,03,764	2,41,61,090	7,02,63,687	7,04,64,224
(i) Impact due to increase of 1%	(74,18,464)	(35,31,702)	(1,45,19,294)	(86,02,560)
(ii) Impact due to decrease of 1%	83,01,812	44,15,908	1,12,64,416	1,05,04,017
b) Impact of the Change in salary increase				
Present value of obligation at the end of the period	4,50,03,764	2,41,61,090	7,02,63,687	7,04,64,224
(i) Impact due to increase of 1%	84,15,321	43,90,474	1,14,24,302	1,04,31,955
(ii) Impact due to decrease of 1%	(75,52,105)	(34,76,539)	(1,47,46,074)	(84,37,142)

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47 **Disclosure in respect of Indian Accounting Standard 24 "Related Parties Disclosures"**
Disclosures for Other than Govt. Related Entities

a List of key managerial personnel

Name	Designation	Period	
Sh. A. Venu Parsad - IAS	CMD	01.04.2017	31.03.2018
Sh. Umakanta Panda	Director/F & C	01.04.2017	10.08.2017
Sh. Jatinder Goyal	Director/F & C	08.09.2017	31.03.2018
Sh. Niraj Hit Abhilashi Tayal	Director/Administration	01.04.2017	30.04.2017
Smt. Shashi Prabha	Director/Technical	01.04.2017	31.03.2018
Sh. Surinder Kumar Beri	Chief Financial Officer	01.04.2017	17.09.2017
Sh. Vinod Kumar Bansal	Chief Financial Officer	19.09.2017	31.03.2018
Sh. Jasvir Singh	Company Secretary	01.04.2017	31.03.2018

b Compensation of key management personnel

(Amount in Rupees)

Particulars	Sh. A. Venu Parsad		Sh. Umakanta Panda		Sh. Jatinder Goyal		Sh. Niraj Hit Abhilashi Tayal	
	For the year ended March 31, 2018	For the year ended March 31, 2017	For the period 01.04.2017 to 10.08.2017	For the year ended March 31, 2017	For the period 08.09.2017 to 31.03.2018	For the year ended March 31, 2017	For the period 01.04.2017 to 30.04.2017	For the year ended March 31, 2017
Short-term benefits including perquisities	-	-	9,53,788	23,35,062	14,42,707	-	1,96,967	22,25,331
Post-employment benefits	-	-	-	-	-	-	-	-
Other long-term benefits	-	-	-	-	-	-	-	-
Termination benefits	-	-	10,23,982	-	-	-	1,30,396	-
Total	-	-	19,77,770	23,35,062	14,42,707	-	3,27,363	22,25,331

Particulars	Smt. Shashi Prabha		Sh. Surinder Kumar Beri		Sh. Vinod Kumar Bansal		Sh. Jasvir Singh	
	For the year ended March 31, 2018	For the year ended March 31, 2017	For the period 01.04.2017 to 17.09.2017	For the year ended March 31, 2017	For the period 19.09.2017 to 31.03.2018	For the year ended March 31, 2017	For the year ended March 31, 2018	For the year ended March 31, 2017
Short-term benefits including perquisities	21,03,912	19,96,669	11,24,824	21,66,116	12,52,753	-	19,30,382	16,53,363
Post-employment benefits	-	-	-	-	-	-	-	-
Other long-term benefits	-	-	-	-	-	-	-	-
Termination benefits	-	-	-	-	-	-	-	-
Total	21,03,912	19,96,669	11,24,824	21,66,116	12,52,753	-	19,30,382	16,53,363

No remuneration has been paid to Sh. A.Venu Parsad, IAS CMD PSTCL, being additional charge during FY 2017-18.

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c **Disclosure for transactions entered with Govt. and Govt. Entities and other entities**

Particulars	Nature of Relationship
Govt. of Punjab	Major Shareholder
PSPCL	Major customer

(Amount in Rupees)

Related Party	Nature of Transaction	Transaction During 2018	Transaction During 2017	Balance as on March 31,2018	Balance as on March 31,2017
PSPCL	Interest on Loan	52,61,57,568	53,07,81,551	-	-
	Loan Balance	-	-	7,59,28,898	5,03,16,73,998
	Trade Receivable	-	-	2,98,59,02,000	5,59,01,15,000
	Revenue	11,80,22,00,000	12,34,44,00,000	-	-
	ICT	-	-	13,80,18,344	47,70,24,581
Government of Punjab	Carrying Cost - Revenue	-	(14,56,00,000)	-	-
	Carrying Cost - Receivable	-	-	24,49,00,000	24,49,00,000
	Guarantee Fee	5,00,00,001	10,00,00,000	-	-
	Guarantee Fee - Accrued	-	-	-	4,00,00,000

Company has availed exemption mention in para 25 of Ind AS 24 "Related Party Transaction"

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48 **Disclosure in respect of Indian Accounting Standard (Ind AS)-33 "Earnings Per Share(EPS)"**

i) Basic EPS

Basic EPS amounts are calculated by dividing the profit for the year attributable to equity holders of the entity by the weighted average number of Equity shares outstanding during the year.

(Amount in Rupees)

Particulars	For the year ended March 31, 2018	For the year ended March 31, 2017
Profit (loss) for the year, attributable to the owners of the company	5,00,02,205	4,93,89,799
Earnings used in calculation of basic earnings per share (A)	5,00,02,205	4,93,89,799
Weighted average number of ordinary shares for the purpose of basic earnings per share (B)	60,58,83,465	60,58,83,465
Basic EPS (A/B)	**0.08**	**0.08**

ii) Diluted EPS

Diluted EPS amounts are calculated by dividing the profit attributable to equity holders of the entity (after adjusting for interest on the convertible preference shares) by the weighted average number of Equity shares outstanding during the year plus the weighted average number of Equity shares that would be issued on conversion of all the dilutive potential Equity shares into Equity shares.

(Amount in Rupees)

Particulars	For the year ended March 31, 2018	For the year ended March 31, 2017
Profit (loss) for the year, attributable to the owners of the company	5,00,02,205	4,93,89,799
Earnings used in calculation of basic earnings per share	5,00,02,205	4,93,89,799
Profit attributable to equity holders of the owner adjusted for the effect of dilution (A)	**5,00,02,205**	**4,93,89,799**
Weighted average number of ordinary shares for the purpose of basic earnings per share	60,58,83,465	60,58,83,465
Weighted average number of Equity shares adjusted for the effect of dilution (B)	60,58,83,465	60,58,83,465
Diluted EPS (A/B)	**0.08**	**0.08**

49 **Assets hypothecated as security**

The carrying amount of assets hypothecated as security for current & non current borrowings are:

(Amount in Rupees)

Particulars	For the year ended March 31, 2018	For the year ended March 31, 2017
Current **Financial Assets**		
First Charge (Hypothecation)	3,40,55,15,053	6,02,40,31,255
Non-Financial Assets		
Hypothecation	-	-
Total Current assets	**3,40,55,15,053**	**6,02,40,31,255**
Non Current		
Hypothecation	35,56,34,12,875	36,25,69,11,800
Total Non Current assets	**35,56,34,12,875**	**36,25,69,11,800**

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50 In pursuance to memo no. 01/15/2010-EB(PR)/396 dated 29.11.2011 from Department of Power, Government of Punjab, Chandigarh, certain units of PSTCL were ordered to be transferred to PSPCL on account of transfer of 66 KV works to PSPCL. However, certain balances which are un-identified on account of either opening balances or non-availability of details thereof have been kept on "as is where is basis" and these will be transferred to PSPCL in future when identified.

51 There are some unidentifiable receivables and payables which pertain to erstwhile PSEB period and are very old which are being examined in detail and will be reconciled in due course of time for effecting the required corrections, adjustments and set offs as the case may be.

52 Some of the assets as allocated to the Company, vide Notification dated 24.12.2012 by the Govt. of Punjab, are being utilized by Punjab State Power Corporation Ltd. (PSPCL). Similarly, the Company is also using some of the assets of PSPCL. The accounting of rentals payable/receivable to/from PSPCL has not been made in the accounts of Company in the absence of any agreement between the two Companies for use of such assets.

53 As per Ind AS-12, the deferred tax assets (the deferred tax benefits) should be recognized only when there is a certainty for the income generation in future which can be utilized for setting off the said deferred tax assets. Considering the accumulated unabsorbed losses, it is not probable that the same can be set off with the future income within the allowable period specified in the Income Tax Act 1961. In view of the said uncertainty, it is considered prudent not to recognize the deferred tax asset in the current financial year 2017-18.

54 The balances of trade receivables, advances to suppliers/contractors, loans & advances and other parties shown in the accounts as at 31.03.2018 are subject to confirmation.

55 The balance under Inter Corporate Transaction (ICT) payable to PSPCL as shown in Note 20 amounting to Rs.13,80,18,344/- as on 31.03.2018 is subject to confirmation.

56 **Dues to Micro, Small and Medium Enterprises**

Based on the information available with the company, there are no outstanding balances of parties covered under Micro, Small and Medium Enterprises Development Act, 2006.

i. Principal amount remaining unpaid at the end of the year to Micro, Small & Medium enterprise; - NIL

ii. Interest accrued & remaining unpaid at the end of the year to Micro, Small & Medium enterprise for the current year; - NIL

iii. Amount of interest paid during the year along with the payment of principal amount made beyond the appointed day; - NIL

iv. Amount of interest carried forward from last accounting year with interest for the current year on such interest; - NIL

57 As per paragraph 49 of framework for preparation and presentation of financial statement and Guidance Note on MAT credit issued by ICAI:

"An asset is a resource controlled by the enterprise as a result of past events from which future economic benefits are expected to flow to the enterprise". For the purpose of consideration of the probability of expected future economic benefits in respect of MAT credit, the fact that a company is paying MAT and not the normal income tax, provides a prima facie evidence that normal income tax liability may not arise within the specified period to avail MAT credit. In view of this, MAT credit should be recognised as an asset only when and to the extent there is convincing evidence that the company will pay normal income tax during the specified period. Since as per income tax return PSTCL has unabsorbed brought forward depreciation of 923.12 crores as on March 31, 2017. Hence, management has estimated that no future economic benefit from MAT credit will flow to the entity. Hence, MAT credit is not recognised in the books of account.

58 The books of account of Civil Works Division, Jalandhar include completed assets of Plant & Machinery which has not been transferred to the respective P&M Divisions. Pending transfer of completed assets which relates to erstwhile PSEB period, to the concerned P&M divisions, depreciation on all such completed assets of Rs. 1,64,50,080/- in respect of Civil Work division Jalandhar has been provided in the concerned construction division as charge to P&L account.

59 **Standards issued but not yet effective**

The amendments to standards that are issued, but not yet effective, up to the date of issuance of the Corporation's financial statements are disclosed below. The Corporation intends to adopt these standards, if applicable, when they become effective.

The Ministry of Corporate Affairs (MCA) has issued the Companies (Indian Accounting Standards) Amendment Rules, 2018 amending the following standards:

Ind AS 115 - Revenue from Contracts with Customers:

In March 2018, the Ministry of Corporate Affairs had notified Ind AS (Revenue from Contracts with Customers) which would be applicable to the Corporation for accounting periods beginning on or after 1st April 2018. This standard establishes the principles that an entity shall apply to report useful information to users of financial statements about the nature, amount, timing and uncertainty of revenue and cash flows arising from a contract with a customer. The Corporation is evaluaing the requirements of the standard and its impact on its financial statements.

Amendments to Ind AS 12 - Recognition of Deferred Tax Assets for unrealised losses:

The amendments clarify that an entity needs to consider whether tax law restricts the sources of taxable profits against which it may make deductions on the reversal of deductible temporary difference. Further more, the amendments provide guidance on how an entity should determine future taxable profits and explain the circumstances in which taxable profit may include the recovery of some assets for more than their carrying amount. The corporation is evaluating the requirements of the amendment and the effect on the financial statements.

These amendments are effective for annual periods beginning on or after 1st April, 2018.

60 The previous year's figures have been reclassified/regrouped/merged for the purpose of comparison with the current year's figures in the Balance Sheet, Statement of Profit & Loss and Notes to accounts, wherever necessary.

As per our report of even date attached
For Rajiv Goel & Associates
Chartered Accountants
FRN 011106N

RAJIV GOEL & ASSOCIATES CA AMBALA CANTT

(Rohit Goel)
Partner
M.No 091756
Place: Patiala
Date: 14.9.2018

For and on behalf of the Board

(Er. Ajay Kumar Kapur)
Director/Technical

(A. Venu Prasad)
Chairman-cum-Managing Director

(Vinod Bansal)
Chief Financial Officer

(Jasvir Singh)
Company Secretary