

**AGGREGATE REVENUE REQUIREMENT FOR FY  
2016-17 TO FY 2018-19  
&  
TRUE-UP FOR FY 2014-15 & FY 2015-16**

Submission of Text and Affidavit

To

Assam Electricity Regulatory Commission

By

Assam Electricity Grid Corporation Limited  
Bijulee Bhawan, Paltanbazar  
Guwahati – 781 001

AEGCL

ARR for FY 16-17 To 18-19, True-up for FY 2014-15 &amp; FY 2015-16

## BEFORE THE HON'BLE ASSAM ELECTRICITY REGULATORY COMMISSION

Petition No. \_\_\_\_\_  
Case No. \_\_\_\_\_  
(to be filed by the Office)

IN THE MATTER OF  
Filing of Aggregate Revenue Requirement for  
FY 2016-17 to FY 2018-19 & True-Up for FY 2014-15 & FY 2015-16.

IN THE MATTER OF  
Assam Electricity Grid Corporation Limited  
Bijulee Bhawan, Paltanbazar,  
Guwahati – 781 001.

Petitioner

I, Sri Golap Kumar Das son of Late Boloram Das aged 60 years residing at Guwahati do solemnly affirm and say as follows:

I am the Managing Director of Assam Electricity Grid Corporation Limited, the petitioner in the above matter and am duly authorized by the said Petitioner to make this affidavit for and on behalf of the Assam Electricity Grid Corporation Limited.

The Statement made in the Petition based on information received from official records and I believe them to reflect truly and no material has been concealed from the statements so made or documents or supporting data etc. attached.

Solemnly affirm at Guwahati on 31<sup>st</sup> day of October, 2016 that the contents of this affidavit are true to my knowledge, no part of it is false or no material has been concealed therefore and misleading material included therein.

Place: Guwahati

Date:

31/10/16

Deponent



By order of the Commission

Secretary of the Commission

AEGCL

ARR for FY 16-17 To 18-19, True-up for FY 2014-15 &amp; FY 2015-16

## BEFORE THE HON'BLE ASSAM ELECTRICITY REGULATORY COMMISSION

FILING NO. ....

CASE NO. ....

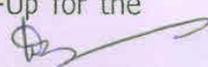
IN THE MATTER OF: Petition for the approval of the Aggregate Revenue Requirement for FY 2016-17 to FY 2018-19 & True-Up for FY 2014-15 & FY 2015-16.

AND

IN THE MATTER OF: Assam Electricity Grid Corporation Limited incorporated under the provisions of the Companies Act, 1956 and having its registered office in the State of Assam.

## THE HUMBLE APPLICANT ABOVE NAMED MOST RESPECTFULLY SUBMITS:

1. That the Assam Electricity Grid Corporation Limited, hereinafter named as AEGCL, is a successor corporate entity, formed in pursuant to the notification of the Government of Assam, notified under sub-sections (1), (2), (5), (6) and (7) of Section 131 and Section 133 of the Electricity Act 2003 (Central Act 36 of 2003), for the purpose of transfer and vesting of functions, properties, interests, rights, obligations and liabilities, along with the transfer of Personnel of the Board to the successor corporate entities.
2. That the Assam Electricity Grid Corporation Limited is a company incorporated with the main object of undertaking electricity transmission in the state of Assam as State Transmission Utility (STU).
3. That the Assam Electricity Grid Corporation Limited is a deemed licensee under the provisions laid down in Section 14 Proviso 5, read with Section 131 (2) of the Electricity Act 2003.
4. That the licensee is now filing the petition for the approval of its Aggregate Revenue Requirement for the financial years 2016-17, 2017-18 and 2018-19 & True-Up for the financial years 2014-15 & 2015-16.

  
(PETITIONER)

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# CHAPTER '1'

## **1 Introduction**

### **1.1 Assam Electricity Grid Corporation Limited**

- 1.1.1 Assam Electricity Grid Corporation Limited, herein named as AEGCL, is a successor entity, formed in pursuant to the notification of the Government of Assam, notified subsections (1), (2), (5), (6) and 7 of section 131 and section 133 of the Electricity Act 2003, for the purpose of transfer and vesting of functions, properties, interests, rights, obligations and liabilities, along with transfer of personnel of the Board to the successor corporate entities.
- 1.1.2 AEGCL is responsible for the wheeling and transmission of power in the State of Assam as the State Transmission Utility (STU). AEGCL also has the responsibility of dispatching and scheduling of power in the state through the State Load Despatch Centre (SLDC).
- 1.1.3 AEGCL has started functioning independently from 10<sup>th</sup> December, 2004 as per the Assam Electricity Reform First Transfer Scheme which was notified by the Government of Assam vide PEL.151/2003/pt/165 dated 10th December, 2004.
- 1.1.4 The Government of Assam vide notification No. PEL.151/2003/Pt/349 dated 16<sup>th</sup> August, 2005 issued orders to give effect to the reorganization of the Assam State Electricity Board and the finalization of the provisional transfers effected as per the provisions of the Electricity Act, 2003 and the First Transfer Scheme.

### **1.2 Assam Electricity Regulatory Commission**

- 1.2.1 The Assam Electricity Regulatory Commission (hereinafter referred to as the AERC or the Hon'ble Commission) was established under the Electricity Regulatory Commissions Act (hereinafter referred to as the ERC Act), 1998 on February 28, 2001. The AERC came into existence in August 2001 as a one-man Commission. Subsequently, the Electricity Act 2003 was enacted on 26<sup>th</sup> May 2003, repealing the previous Electricity Acts, giving provision for State Electricity Regulatory Commission. Considering the multidisciplinary requirements of the Commission, it was made a multimember one, constituting three Members (including Chairperson) from 27<sup>th</sup> January, 2006. The Commission has started functioning as Multimember Commission on joining of two members from 1<sup>st</sup> February, 2006.
- 1.2.2 The Commission is mandated to exercise the powers and functions conferred under Section 181 of the Electricity Act 2003 (36 of 2003) (hereinafter referred to as the Act) and to exercise the functions conferred to it under Section 86 of the Act.
- 1.2.3 Functions of the Commission

The functions of the Hon'ble Commission as mandated under the section 86 of Electricity Act 2003 which are re-iterated below as:-

- 1.2.3.1 To determine the tariff for generation, supply, transmission and wheeling of electricity, wholesale, bulk or retail, as the case may be, within the State;
- 1.2.3.2 Providing that where open access has been permitted to a category of consumers under section 42, the State Commission shall determine only the wheeling charges and surcharge thereon, if any, for the said category of consumers;
- 1.2.3.3 Regulate electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured from the generating companies or licensees or from other sources through agreements for purchase of power for distribution and supply within the State;
- 1.2.3.4 Facilitate intra-state transmission and wheeling of electricity;
- 1.2.3.5 Issue licenses to persons seeking to act as transmission licensees, distribution licensees and electricity traders with respect to their operations within the State;
- 1.2.3.6 Promote cogeneration and generation of electricity from renewable sources of energy by providing suitable measures for connectivity with the grid and sale of electricity to any person, and also specify, for purchase of electricity from such sources, a percentage of the total consumption of electricity in the area of a distribution licensee;
- 1.2.3.7 Adjudicate upon the disputes between the licensees, and generating companies and to refer any dispute for arbitration;
- 1.2.3.8 Levy fee for the purposes of this Act;
- 1.2.3.9 Specify State Grid Code consistent with the Grid Code specified under clause (h) of sub-section (1) of section 79;
- 1.2.3.10 Specify or enforce standards with respect to quality, continuity and reliability of service by licensees;
- 1.2.3.11 Fix the trading margin in the intra-State trading of electricity, if considered, necessary; and
- 1.2.3.12 Discharge such other functions as may be assigned to it under this Act.
- 1.2.4 The State Commission shall advise the State Government on all or any of the following matters, namely:-
  - 1.2.4.1 Promotion of competition, efficiency and economy in activities of the electricity industry;

- 1.2.4.2 Promotion of investment in electricity industry;
- 1.2.4.3 Reorganization and restructuring of electricity industry in the State;
- 1.2.4.4 Matters concerning generation, transmission, distribution and trading of electricity or any other matter referred to the State Commission by that Government.
- 1.2.5 The State Commission shall ensure transparency while exercising its powers and discharging its functions.
- 1.2.6 In discharge of its functions the State Commission shall be guided by the National Electricity Policy, National Electricity Plan and tariff policy published under section 3 of Electricity Act 2003.

# CHAPTER '2'

## CHAPTER 2

### Truing up for FY 2014-15

#### 1. Preamble

This section outlines the performance of AEGCL for FY 2014-15. As per MYT regulations, AEGCL submits detailed Truing Up for FY 2014-15 comparing the performance of AEGCL during FY 2014-15 with the forecast approved by the Hon'ble Commission vide Tariff Order Dated 21<sup>st</sup> November, 2014.

#### 2. Principles for Truing up for FY 2014-15.

- 2.1 MYT Tariff Regulations, 2006 specifies that the Hon'ble Commission shall undertake the Annual Review of the performance of licensee for the completed financial years based on the actual performance.
- 2.2 Further, the Hon'ble Appellate Tribunal for Electricity in its observation in Appeal Petition No 3 of 2005 against Tariff Order of Hon'ble AERC for 2004-05 and 2005-06 had opined as “ It is well known that tariff determination undertaken by a Commission for the future and is grounded on estimates and projections. By the time there is need to work out the tariff for a subsequent spell of time, actual revenue generated on the basis of tariff fixed by the commission would be known. Even audited accounts for the earlier period would also be available. On the basis of actual data or near actual data truing up exercise must be undertaken by the Commission”.
- 2.3 Moreover, In Cl 6 of CERC (T&C for Tariff) Regulation 2009 a new incorporation has been made for truing up of capital expenditure and tariff.
- 2.4 In line with the provisions of MYT Regulations, observation of Hon'ble Appellate Tribunal for Electricity and spirit of the CERC Regulation of 2009 to 2014 control period, AEGCL has filed this Truing Up petition for the FY 2014-15. Considering the timing of filing of this Petition, AEGCL has taken actual performance of whole years.
- 2.5 Revised estimates and claims of the Aggregate Revenue Requirements, revenue gap for FY 2014-15 is given in the following paragraphs.

#### 3. Transmission Losses.

- 3.1 In FY 2014-15, the transmission loss is 3.84% as compared to last year loss of 4.08%. The table below highlights the actual transmission loss achieved by AEGCL.

**Table 1: AEGCL - Transmission Losses**

<b>Particulars</b>	<b>FY 2014-15</b>
Energy Injected (MU)	7232.82
Energy Send Out (MU)	6955.08
Transmission Loss (MU)	277.74
Tr. Loss (%)	3.84

3.2. The MYT Regulations has not specified the Transmission Losses as a controllable factor and accordingly any gain or loss on account of this would be shared with the DISCOMs as per the provisions of the regulations.

#### **4. Funding of CAPEX**

4.1. The funding of Capital Expenditure is done through various sources namely Loans, Grants, Equity and Debt. Although capital expenditure should be funded by normative debt and equity, no infusion of equity has been made other than equity capital allocated to the companies in the Opening Balance Sheets (OBS) of the Companies in the Reorganization. Accordingly all new addition of assets are created by funding from grants (which is in the nature of promoters contribution vide GoA order No. PEL. 133/2003/pt/463 dtd. 03-03-2009) and loan funding which are reasonably sufficient for funding CAPEX. However, for purpose of claiming return on equity, AEGCL has restricted equity to the old assets and the balance CAPEX and remaining funding is done through proportionate grant and debt of the total CAPEX including Capital works in Progress (CWIP). The detailed breakup of funding of capital expenditure during FY 2014-15 is mentioned below.

**Table 2: AEGCL – Funding of Capital Expenditure**

<b>Sl No</b>	<b>Particulars</b>	<b>2014-15</b>	
		<b>Approved</b>	<b>Actual</b>
1	Capital Expenditure		1261.69
2	Accumulated Depreciation		763.98
3	Net Asset at the beginning		497.71
4	Current addition		84.11
5	Total asset for the year		538.51
6	Equity		99.93
7	Grant		1415.50
8	Loan		452.00

Note: Actual for FY 2014-15 are as per Audited Annual Accounts of AEGCL as on 31.03.2015.

### Details of Equity

Particulars	2014-15		
	Opening Equity	New Equity	Closing Amount
Paid up capital	99.93	-	99.93
Total Share Capital	99.93	-	99.93

(₹ Crore)

4.2. The interest and finance charges incurred for the debt funding portion have been discussed in the paragraph 9 and the Return on the Equity under paragraph 12 of the petition.

## 5 Fixed Cost for FY 2014-15

5.1. Based on the Capital Cost and the consequent Capitalised Expenditure, Equity Component and Normative Debt, the fixed cost of AEGCL for FY 2014-15 have been determined in accordance with the Tariff Regulations outlined thereof. The fixed cost for AEGCL has been determined under the following major heads:

- PGCIL Charges
- Operation and Maintenance Expenses
- Depreciation
- Interest and Finance Charges
- Interest on Working Capital
- Income Tax
- Return on Equity
- Bulk Supply Tariff (BST)

5.2. Annual Revenue Requirement has been obtained after netting off of Expenses Capitalised and Non-Tariff Income of AEGCL.

5.3. For the purpose of truing up, all the heads mentioned above has been categorized into Controllable or Uncontrollable factors in line with provisions of MYT Regulations. A head wise comparison has been made between the values approved by the Hon'ble Commission vide Tariff Order dated 21<sup>st</sup> November 2014 and the actual expenditure incurred by the AEGCL in FY 2014-15 based on the audited accounts.

## 6. Categorization of Heads of Expenses

6.1. As per provision of MYT Regulation 2006, all the expenditure heads need to be categorized into Controllable (under control of the Petitioner) and Uncontrollable (not under control of the Petitioner).

6.2. For above purpose, AEGCL has categorized the expenditures used for the purpose of determination of Aggregate Revenue Requirement for FY 2014-15 into Uncontrollable

and Controllable. The detailed categorization along with the justification for the same has been shown in table below.

**Table 3: Categorization of Heads of Expenses.**

Sr. No.	Particular	Category	Remarks
1.	Capital Expenditure	Un-Controllable	Schemes are implemented as per approved schemes of GOI and GOA funding.
2.	PGCIL Charges	Un-Controllable	PGCIL Charges are paid by AEGCL as per the bills submitted by PGCIL and is beyond the control of AEGCL.
3.	Operations and Maintenance Expenses	Un-Controllable	Uncontrollable to an extent of employee cost which is payable as per the government notifications and is beyond the control of AEGCL, increase in dearness allowance & increments, force majures, increase in R&M due to emergency repairs on account of aging of equipments and inflationary impact on the overall cost.
4.	Depreciation	Uncontrollable	It is charged on the basis of Gross Fixed Assets as per the audited financial statements of the company based on the accounting standard or regulatory norms should be completely allowable and any variation should be treated as uncontrollable.
5.	Interest on Loan & Finance Charges	Uncontrollable	Uncontrollable to the extent variation of proportionate addition of assets in the applicable interest rates.
6.	Interest on Working Capital	Uncontrollable	It is computed on normative basis and is dependent on other components. It is also uncontrollable to the extent of changes in the applicable interest rates.
7.	Return on Equity	Controllable	As per AERC Regulations, to the extent of actual equity up to 30% of Assets Qualifying for Tariff.
8.	Non Tariff Income	Uncontrollable	As per AERC Regulations on accruals.
9.	BST Charges	Uncontrollable	BST Charges depends on the actual energy handled.

6.3. Based on the above classification and the reasons given therein, all of the items of expenditure for FY 2014-15 have been classified as either controllable or uncontrollable. Accordingly, the Gains/ Losses attributed to such controllable & uncontrollable factors have been determined.

## 7. Operation & Maintenance Expenses

7.1. Operations and Maintenance (O&M) Expenses of the company consists of the following elements:

- Employee Expenses
- Repairs and Maintenance Costs
- Administrative and General Expenses

7.2. Employee expenses comprise of salaries, dearness allowance, bonus, terminal benefits in the form of pension & gratuity funding, leave encashment and staff welfare expenses.

7.3. Repairs and Maintenance Expenses go towards the day to day upkeep of the transmission network of the company and form an integral part of the company's efforts towards reliable and quality power transmission as also in reduction of losses in the system.

7.4. Administrative expenses mainly comprise of rents, telephone and other communication expenses, professional charges, conveyance and traveling allowances, other debits.

7.5. During FY 2014-15, AEGCL has incurred O&M expenses of ₹ 145.29 Crore which is inclusive of Employee cost, Repair & Maintenance Charges and Administration & General Expenses.

7.6. Comparison of O&M charges actually incurred by AEGCL during FY 2014-15 with the value approved by the Hon'ble Commission reflects net loss of ₹ 3.96 Crore on account of controllable factors and gain of ₹ 0.33 Crore on account of uncontrollable factors for FY 2014-15 to AEGCL.

**Table 4: AEGCL – Operation & Maintenance Expenses**

(₹ Crore)					
Sr. No	Particulars	2014-15		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Employee Expenses	128.95	128.62		0.33
2	Repair & Maintenance	8.73	11.53	(2.80)	
3	Administrative & General Expenses	3.98	5.14	(1.16)	
4	Total O&M expenses	141.66	145.29	(3.96)	0.33

7.7 Employee Cost

On the basis of comparison consideration of Employee Expenses actually incurred by

AEGCL with the values approved by the Hon'ble Commission results into gain of ₹ 0.33 Crore in FY 2014-15 as indicated in the Table 4.

#### 7.8 Repair & Maintenance Cost

Repair and Maintenance expenditure is dependent on various factors. The assets of AEGCL are old and require regular maintenance to ensure uninterrupted operations. AEGCL has been trying its best to ensure uninterrupted operations of the system and accordingly has been undertaking necessary expenditure for R&M activities regularly. Accordingly, on the basis of comparison consideration of R&M expenditure actually incurred by AEGCL with the values approved by the Hon'ble Commission results into loss of ₹ 2.80 Crore in FY 2014-15 as indicated in the Table 4.

#### 7.9 Administration & General Expenses

In line with the provisions of the MYT regulation, A&G expenses are categorized as controllable expenses and accordingly, the comparison of value approved by the Hon'ble Commission with the actual A&G expenses incurred by AEGCL results into loss of ₹ 1.16 Crore in 2014-15 as highlighted in the Table 4.

## 8 Depreciation

8.1 The Opening Gross Block of Fixed Assets for FY 2014-15 has been revised to ₹ 1261.69 Crore. The amount of depreciation for FY 2014-15 is revised in the truing up claim. Depreciation has been calculated taking into consideration the opening balance of assets in the beginning of the year and the capitalization as shown in the Table 5.

**Table 5: AEGCL – Fixed Assets & Depreciation**

(₹ Crore)

Sl No	Particulars	2014-15		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Assets qualifying for Tariff	1429.15	1345.80		
2	Accumulated Depreciation	133.94	807.29		
3	Assets qualifying for Depreciation (Less Grant)	557.00	1324.37		
4	Depreciation as per F S		68.85		
5	Depreciation for Tariff	13.80	43.31		(29.51)

8.2. The amount of depreciation for FY 2014-15 as against the value approved by the Hon'ble Commission results into a net uncontrollable loss of ₹ 29.51 Crore for FY 2014-15 as indicated in Table 5.

## 9. Interest & Finance Charges

The Interest & Finance charges for FY 2014-15 as against the value approved by the Hon'ble Commission results into a net uncontrollable loss of ₹ 16.85 Crore , as indicated in Table 6.

**Table 6 : AEGCL – Interest & Finance Charges**

Sl No	Particulars	2014-15		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Total LTL	-	452.00		
2	Total LTL Interest as per F S	-	30.77		
3	Average Interest	0.10	0.10		
4	LTL For Tariff	-	452.00		
5	Interest for Tariff	14.05	30.77		
6	Interest on security deposit	-	-		
7	Guarantee Charge	-	0.13		
8	Total Interest & Finance Charge	14.05	30.90		(16.85)

## 10. Interest on Working Capital

10.1. The interest on working capital has been calculated based on the normative formula by the Hon'ble Commission in its Terms and Conditions of Tariff Regulations. It may be mentioned that the working capital requirements of the company to finance the business cycle is generally financed through internal mobilization of funds that remains in the hand of the company such as GPF contributions, pension fund, etc. The funds are liable to receive adequate return for the application of fund.

10.2. The normative values of the components of Working Capital requirements as per revised claims are made as uncontrollable item. The interest on working capital for FY 2014-15 computed by AEGCL against that approved by the Hon'ble Commission is as shown in Table 7 below.

**Table 7: AEGCL – Interest on Working Capital**

(₹ Crore)

SI No	Particulars	2014-15		Gain/ (Loss)	
		Approved	Revised Claims	Contr	Uncontr
1	O&M Expenses- One month	11.81	12.32		
2	2 month Receivables	76.73	91.47		
3	1% Of GFA	12.62	13.46		
4	Total working Capital	101.15	117.25		
5	Rate of Interest on WC	14.75%	14.75%		
6	Interest on WC	14.92	17.29		(2.37)

**11. Other Costs and Bad Debt.**

Other Debit and Net Prior Period Expenses/Income figures have been taken from the annual accounts for the FY 2014-15. Comparing these values with the approved figures by the Hon'ble Commission resulted in loss of ₹ 1.26 Crore in respect of Other Debit and gain of ₹ 20.04 Crore in respect of Net Prior Period Expenses/Income on account of uncontrollable factors as shown in the Table 8 below.

**Table 8: AEGCL – Treatment of Other Cost Items and Bad Debt**

(₹ Crore)

SI No	Particulars	2014-15		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Other Debit	-	1.26		(1.26)
2	Provision of Bad Debt	-	-	-	-
3	Net Prior Period Expenses/Income	-	(20.04)	-	20.04
	Total	-	(18.78)	-	18.78

**12. Return on equity**

As per the Tariff regulations issued by the Hon'ble Commission, a return @ 14% on the equity base is considered as reasonable and hence liable to be recovered through retail Tariff. The AEGCL has shown sign of recovery in the recent years by improving its operational performance and speedy implementation of different schemes. Accordingly, AEGCL has computed the return on equity considering a rate of return @ 14% for FY 2014-15 as shown in table 9.

**Table 9: AEGCL – Return on Equity**

(₹ Crore)

SI No	Particulars	2014-15		Gain/ (Loss)	
		Approved	Revised Claims	Contr	Uncontr
1	Opening Equity Capital		99.93		
2	Equity addition during the year		-		
3	Closing Equity		99.93		
4	Average Equity		99.93		
5	Rate of Return on equity		14%		
6	Return on Equity	13.99	13.99		-

**13. Taxes**

The actual tax implications for FY 2014-15 as against the value approved by the Hon'ble Commission results neither gain nor loss for FY 2014-15 as indicated in Table 10.

**Table 10: AEGCL – Provision for Taxes**

(₹ Crore)

SI No	Particulars	2014-15		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Provision of Tax/ Tax Expenses	-	-		-

**14. Bulk Supply Tariff (BST) – Terminal Benefits**

The Bulk Supply Tariff (BST) for FY 2014-15 as against the value approved by the Hon'ble Commission results into a net uncontrollable loss of ₹ 5.68 Crore , as indicated in Table 11.

**Table 11 : AEGCL – Bulk Supply Tariff (BST)**

(₹ Crore)

SI No	Particulars	2014-15		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Special Charges on Bulk Supply Tariff	133.42	139.10		(5.68)
	Total	133.42	139.10		(5.68)

**15. Non-Tariff Income for FY 2014-15**

The amount of Non-Tariff Income mostly comprising of income from investments and misc. receipts, receivable from CTU for utilization of its network for wheeling CSGS energy to some states of the region. The actual amount received during FY 2014-15 is considered in the truing up claim.

**Table 12: AEGCL – Non-Tariff Income for FY 2014-15**

(₹ Crore)

SI No	Particulars	2014-15		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Non Tariff Income	64.73	93.24		28.51

**16. Aggregate Revenue Requirement for FY 2014-15**

Based on above expenses, table below summarizes Aggregate Revenue Requirement for FY 2014-15 for AEGCL in comparison with values approved by the Hon'ble Commission for approval of the Hon'ble Commission.

**Table 13: Aggregate Revenue Requirement for FY 2014-15**

(₹ Crore)

Sl No	Particulars	FY 2014-15		
		Approved	Actual	Revised
1	PGCIL Charges	216.30	268.42	268.42
2	Operation & Maintenance Expenses	141.66	145.29	145.29
2.1	Employee Cost	128.95	128.62	128.62
2.2	Repair & Maintenance	8.73	11.53	11.53
2.3	Administrative & General Expenses	3.98	5.14	5.14
3	Depreciation	13.80	43.31	43.31
4	Interest and Finance Charges	14.05	30.90	30.90
5	Interest on Working Capital	14.92	17.29	17.29
6	Other Debits	-	1.26	1.26
7	SLDC charges	2.12	2.54	2.54
8	BST for Pension Trust Fund	133.42	139.10	139.10
9	Provision for Bad Debt	-	-	-
10	Net prior period expenses	-	(20.04)	(20.04)
11	Other expenses Capitalised	-	-	-
12	<b>Sub total (1+2+(3 to 10))</b>	<b>536.27</b>	<b>628.07</b>	<b>628.07</b>
13	Return on Equity	13.99	13.99	13.99
14	Provision for tax/ tax paid	-	-	-
15	Total Expenditure (12 to 14)	550.26	642.06	642.06
16	Less Non Tariff Income	64.73	93.24	93.24
17	<b>Aggregate Revenue Requirements (15-16)</b>	<b>485.53</b>	<b>548.82</b>	<b>548.82</b>
18	Add : (Gap)/Surplus for FY 2011-12 and FY 2012-13	(23.01)	-	-
19	<b>Net Aggregate Revenue</b>	<b>462.52</b>	<b>548.82</b>	<b>548.82</b>
20	Revenue with approved Tariff	462.52	462.52	462.52
21	Other Income (Misc)	-	-	-
22	Total Revenue Before Subsidy (20+21)	462.52	462.52	462.52
23	Agriculture Subsidy	-	-	-
24	Other subsidy	-	-	-
25	<b>Total Revenue after subsidy</b>	<b>462.52</b>	<b>462.52</b>	<b>462.52</b>
26	<b>(Gap)/ surplus</b>	<b>-</b>	<b>(86.30)</b>	<b>(86.30)</b>

Note:

1. Break up of SLDC Charges for the FY 2014-15

(₹ Crore)

Sl. No.	Particulars	Amount
1	Employee Cost	1.44
2	Repair & Maintenance	0.81
3	Administrative & General Expenses	0.29
	<b>Total</b>	<b>2.54</b>

2. Depreciation provided in the Actual & Revised Claims columns have been calculated as per Regulation 14 of AERC Tariff Regulations, 2006. But the actual depreciation as per Audited Annual Accounts is ₹ 68.85 Crore (As per Companies Act).

## **17. Sharing of Gains & Losses**

- 17.1. MYT Regulations has not specified any Mechanism for treatment of Gains and Losses on account of Uncontrollable and Controllable expenses. In absence of this, the methodology considered by the Hon'ble Commission for the previous years for sharing of such gains/losses is considered in this petition as a reference. In previous year(s) the uncontrollable factors was fully considered as a pass through and controllable factors was considered as per prudent and judicious decision of the Commission. It is expected that the Commission will give due consideration on the claim of the petitioner taking into consideration of the constraints under which the organization is functioning and tries its best for better service with improved performance in coming years.
- 17.2. As indicated above, AEGCL has identified all the expenditure heads under controllable and uncontrollable categories. The gain/losses arise as a result of Truing Up for FY 2014-15 for AEGCL shall be suitably passed through the tariff as per mechanism specified by the Hon'ble Commission.

## **18. Sharing of Gains/Losses for FY 2014-15.**

Based on the methodology prescribed in the Regulation, AEGCL has classified various heads of expenses under Controllable & Uncontrollable factors. The head wise losses have been dealt in above sections. During FY 2014-15 AEGCL had incurred a net loss of ₹ 3.96 Crore on account of controllable factors while net loss attributed to uncontrollable factors is ₹ 82.34 Crore resulting in total Revenue Gap of ₹ 86.30 Crore as shown in **Table 14.**

**Table 14: AEGCL – Truing Up for FY 2014-15****(₹ Crore)**

Sr No	Particulars	2014-15			Controllable	Uncontrollable
		Approved	Actual	Revised Claims		
1	PGCIL Charges	216.30	268.42	268.42		(52.12)
2	Operation & Maintenance Expenses	141.66	145.29	145.29		
2.1	Employee Cost	128.95	128.62	128.62		0.33
2.2	Repair & Maintenance	8.73	11.53	11.53	(2.80)	
2.3	Administrative & General Expenses	3.98	5.14	5.14	(1.16)	
3	Depreciation	13.80	43.31	43.31		(29.51)
4	Interest and Finance Charges	14.05	30.90	30.90		(16.85)
5	Interest on Working Capital	14.92	17.29	17.29		(2.37)
6	Other Debits	-	1.26	1.26		(1.26)
7	SLDC charges	2.12	2.54	2.54		(0.42)
8	BST for Pension Trust Fund	133.42	139.10	139.10		(5.68)
9	Provision for Bad Debt	-	-	-		-
10	Net prior period expenses	-	(20.04)	(20.04)		20.04
11	Other expenses Capitalised	-	-	-		-
12	<b>Sub total (1+2+(3 to 10))</b>	<b>536.27</b>	<b>628.07</b>	<b>628.07</b>	<b>(3.96)</b>	<b>(87.84)</b>
13	Return on Equity	13.99	13.99	13.99		-
14	Provision for tax/ tax paid	-	-	-		-
15	<b>Total Expenditure (12 to 14)</b>	<b>550.26</b>	<b>642.06</b>	<b>642.06</b>	<b>(3.96)</b>	<b>(87.84)</b>
16	Less Non Tariff Income	64.73	93.24	93.24		(28.51)
17	<b>Aggregate Revenue Requirements (15-16)</b>	<b>485.53</b>	<b>548.82</b>	<b>548.82</b>	<b>(3.96)</b>	<b>(59.33)</b>
18	Add : (Gap)/Surplus for FY 2011-12 and FY 2012-13	(23.01)	-	-		(23.01)
19	<b>Net Aggregate Revenue</b>	<b>462.52</b>	<b>548.82</b>	<b>548.82</b>	<b>(3.96)</b>	<b>(82.34)</b>
20	<b>Revenue with approved Tariff</b>	<b>462.52</b>	<b>462.52</b>	<b>462.52</b>		
21	Other Income (Misc)	-	-	-		
22	Total Revenue Before Subsidy (20+21)	<b>462.52</b>	<b>462.52</b>	<b>462.52</b>		
23	Agriculture Subsidy	-	-	-		
24	Other subsidy	-	-	-		
25	Total Revenue after subsidy	<b>462.52</b>	<b>462.52</b>	<b>462.52</b>		
26	(Gap)/ surplus	-	<b>(86.30)</b>	<b>(86.30)</b>		

Note :1 Break up of SLDC Charges for the FY 2014-15

**(₹ Crore)**

Sl. No.	Particulars	Amount
1	Employee Cost	1.44
2	Repair & Maintenance	0.81
3	Administrative & General Expenses	0.29
	<b>Total</b>	<b>2.54</b>

2. Depreciation provided in the Actual & Revised Claims columns have been calculated as per Regulation 14 of AERC Tariff Regulations, 2006. But the actual depreciation as per Audited Annual Accounts is ₹ 68.85 Crore (As per Companies Act).

**19. Revenue for FY 2014-15**

19.1. During the FY 2014-15, AEGCL has demanded revenue of ₹ 548.82 Crore as against ₹ 462.52 Crore as approved by the Hon'ble Commission. The same has been considered for the purpose of finding out the revenue gap for FY 2014-15 along with Non Tariff Income.

**Table 15: Revenue Gap for FY 2014-15**

		(₹ Crore)
Sl No	Particulars	2014-15
1	ARR Originally Approved	462.52
2	Gain/(Loss) on Account of Uncontrollable factors	(82.34)
3	Gain/(Loss) on Account of Controllable factors	(3.96)
4	Revised ARR	548.82
5	Revenue with Approved Tariff	462.52
6	Other Income	-
7	Total Revenue Before Subsidy (5+6)	462.52
8	Agricultural subsidy	-
9	Other Subsidy	-
10	Total revenue after Subsidy (7+8+9)	462.52
11	Revised Gap after treating Gain & Loss due for Controllable & Uncontrollable Factors (4-10)	86.30

19.2. The Hon'ble Commission is requested to approve above Annual Revenue Requirement and allow AEGCL to pass on the Revised Revenue Gap obtained after treating gains/losses for FY 2014-15.

# CHAPTER '3'

## CHAPTER 3

### Truing up for FY 2015-16

#### 1. Preamble

This section outlines the performance of AEGCL for FY 2015-16. As per MYT regulations, AEGCL submits detailed Truing Up for FY 2015-16 comparing the performance of AEGCL during FY 2015-16 with the forecast approved by the Hon'ble Commission vide Tariff Order Dated 24<sup>th</sup> July, 2015.

#### 2. Principles for Truing up for FY 2015-16.

2.1 MYT Tariff Regulations, 2006 specifies that the Hon'ble Commission shall undertake the Annual Review of the performance of licensee for the completed financial years based on the actual performance.

2.2 Further, the Hon'ble Appellate Tribunal for Electricity in its observation in Appeal Petition No 3 of 2005 against Tariff Order of Hon'ble AERC for 2004-05 and 2005-06 had opined as “ It is well known that tariff determination undertaken by a Commission for the future and is grounded on estimates and projections. By the time there is need to work out the tariff for a subsequent spell of time, actual revenue generated on the basis of tariff fixed by the commission would be known. Even audited accounts for the earlier period would also be available. On the basis of actual data or near actual data truing up exercise must be undertaken by the Commission”.

2.3 Moreover, In Cl. 6 of CERC (T&C for Tariff) Regulation 2009 a new incorporation has been made for truing up of capital expenditure and tariff.

2.4 In line with the provisions of MYT Regulations, observation of Hon'ble Appellate Tribunal for Electricity and spirit of the CERC Regulation of 2009 to 2014 control period, AEGCL has filed this Truing Up petition for the FY 2015-16. Considering the timing of filing of this Petition, AEGCL has taken actual performance of whole years.

2.5 Revised estimates and claims of the Aggregate Revenue Requirements, revenue gap for FY 2015-16 is given in the following paragraphs.

#### 3. Transmission Losses.

3.1 In FY 2015-16, the transmission loss is 3.64% as compared to last year loss of 3.84%. The table below highlights the actual transmission loss achieved by AEGCL.

**Table 1: AEGCL - Transmission Losses**

<b>Particulars</b>	<b>FY 2015-16</b>
Energy Injected (MU)	7857.25
Energy Send Out (MU)	7571.24
Transmission Loss (MU)	286.01
Tr. Loss (%)	3.64

3.2. The MYT Regulations has not specified the Transmission Losses as a controllable factor and accordingly any gain or loss on account of this would be shared with the DISCOMs as per the provisions of the regulations.

#### **4. Funding of CAPEX**

4.1. The funding of Capital Expenditure is done through various sources namely Loans, Grants, Equity and Debt. Although capital expenditure should be funded by normative debt and equity, no infusion of equity has been made other than equity capital allocated to the companies in the Opening Balance Sheets (OBS) of the Companies in the Reorganization. Accordingly all new addition of assets are created by funding from grants (which is in the nature of promoters contribution vide GoA order No. PEL. 133/2003/pt/463 dtd. 03-03-2009) and loan funding which are reasonably sufficient for funding CAPEX. However, for purpose of claiming return on equity, AEGCL has restricted equity to the old assets and the balance CAPEX and remaining funding is done through proportionate grant and debt of the total CAPEX including Capital works in Progress (CWIP). The detailed breakup of funding of capital expenditure during FY 2015-16 is mentioned below.

**Table 2: AEGCL – Funding of Capital Expenditure**

<b>Sl No</b>	<b>Particulars</b>	<b>2015-16</b>	
		<b>Approved</b>	<b>Actual</b>
1	Capital Expenditure		1345.80
2	Accumulated Depreciation		807.29
3	Net Asset at the beginning		538.51
4	Current addition		198.79
5	Total asset for the year		684.32
6	Equity		99.93
7	Grant		1550.39
8	Loan		517.65

Note: Actual for FY 2015-16 are as per Statutory Audited Annual Accounts of AEGCL as on 31.03.2016.

### Details of Equity

Particulars	(₹ Crore)		
	2015-16		
	Opening Equity	New Equity	Closing Amount
Paid up capital	99.93	-	99.93
Total Share Capital	99.93	-	99.93

4.2. The interest and finance charges incurred for the debt funding portion have been discussed in the paragraph 9 and the Return on the Equity under paragraph 12 of the petition.

## 5 Fixed Cost for FY 2015-16

5.1. Based on the Capital Cost and the consequent Capitalised Expenditure, Equity Component and Normative Debt, the fixed cost of AEGCL for FY 2015-16 have been determined in accordance with the Tariff Regulations outlined thereof. The fixed cost for AEGCL has been determined under the following major heads:

- PGCIL Charges
- Operation and Maintenance Expenses
- Depreciation
- Interest and Finance Charges
- Interest on Working Capital
- Income Tax
- Return on Equity
- Bulk Supply Tariff (BST)

5.2. Annual Revenue Requirement has been obtained after netting off of Expenses Capitalised and Non-Tariff Income of AEGCL.

5.3. For the purpose of truing up, all the heads mentioned above has been categorized into Controllable or Uncontrollable factors in line with provisions of MYT Regulations. A head wise comparison has been made between the values approved by the Hon'ble Commission vide Tariff Order dated 24<sup>th</sup> July, 2015 and the actual expenditure incurred by the AEGCL in FY 2015-16 based on the Statutory Audited accounts.

## 6. Categorization of Heads of Expenses

6.1. As per provision of MYT Regulation 2006, all the expenditure heads need to be categorized into Controllable (under control of the Petitioner) and Uncontrollable (not under control of the Petitioner).

6.2. For above purpose, AEGCL has categorized the expenditures used for the purpose of

determination of Aggregate Revenue Requirement for FY 2015-16 into Uncontrollable and Controllable. The detailed categorization along with the justification for the same has been shown in table below.

**Table 3: Categorization of Heads of Expenses.**

Sr. No.	Particular	Category	Remarks
1.	Capital Expenditure	Un-Controllable	Schemes are implemented as per approved schemes of GoI and GoA funding.
2.	PGCIL Charges	Un-Controllable	PGCIL Charges are paid by AEGCL as per the bills submitted by PGCIL and is beyond the control of AEGCL.
3.	Operations and Maintenance Expenses	Un-Controllable	Uncontrollable to an extent of employee cost which is payable as per the government notifications and is beyond the control of AEGCL, increase in dearness allowance & increments, force majures, increase in R&M due to emergency repairs on account of aging of equipments and inflationary impact on the overall cost.
4.	Depreciation	Uncontrollable	It is charged on the basis of Gross Fixed Assets as per the audited financial statements of the company based on the accounting standard or regulatory norms should be completely allowable and any variation should be treated as uncontrollable.
5.	Interest on Loan & Finance Charges	Uncontrollable	Uncontrollable to the extent variation of proportionate addition of assets in the applicable interest rates.
6.	Interest on Working Capital	Uncontrollable	It is computed on normative basis and is dependent on other components. It is also uncontrollable to the extent of changes in the applicable interest rates.
7.	Return on Equity	Controllable	As per AERC Regulations, to the extent of actual equity up to 30% of Assets Qualifying for Tariff.
8.	Non Tariff Income	Uncontrollable	As per AERC Regulations on accruals.
9.	BST Charges	Uncontrollable	BST Charges depends on the actual energy handled.

6.3. Based on the above classification and the reasons given therein, all of the items of expenditure for FY 2015-16 have been classified as either controllable or uncontrollable. Accordingly, the Gains/ Losses attributed to such controllable & uncontrollable factors have been determined.

## 7. Operation & Maintenance Expenses

7.1. Operations and Maintenance (O&M) Expenses of the company consists of the following elements:

- Employee Expenses
- Repairs and Maintenance Costs
- Administrative and General Expenses

7.2. Employee expenses comprise of salaries, dearness allowance, bonus, terminal benefits in the form of pension & gratuity funding, leave encashment and staff welfare expenses.

7.3. Repairs and Maintenance Expenses go towards the day to day upkeep of the transmission network of the company and form an integral part of the company's efforts towards reliable and quality power transmission as also in reduction of losses in the system.

7.4. Administrative expenses mainly comprise of rents, telephone and other communication expenses, professional charges, conveyance and traveling allowances, other debits.

7.5. During FY 2015-16, AEGCL has incurred O&M expenses of ₹ 149.16 Crore which is inclusive of Employee cost, Repair & Maintenance Charges and Administration & General Expenses.

7.6. Comparison of O&M charges actually incurred by AEGCL during FY 2015-16 with the value approved by the Hon'ble Commission reflects net loss of ₹ 5.81 Crore on account of controllable factors and gain of ₹ 8.56 Crore on account of uncontrollable factors for FY 2015-16 to AEGCL.

**Table 4: AEGCL – Operation & Maintenance Expenses**

Sr. No	Particulars	(₹ Crore)			
		2015-16		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Employee Expenses	138.90	130.34	-	8.56
2	Repair & Maintenance	8.75	11.53	(2.78)	-
3	Administrative & General Expenses	4.26	7.29	(3.03)	-
4	Total O&M expenses	151.91	149.16	(5.81)	8.56

### 7.7 Employee Cost

On the basis of comparison consideration of Employee Expenses actually incurred by AEGCL with the values approved by the Hon'ble Commission results into gain of ₹ 8.56 Crore in FY 2015-16 as indicated in the Table 4.

## 7.8 Repair & Maintenance Cost

Repair and Maintenance expenditure is dependent on various factors. The assets of AEGCL are old and require regular maintenance to ensure uninterrupted operations. AEGCL has been trying its best to ensure uninterrupted operations of the system and accordingly has been undertaking necessary expenditure for R&M activities regularly. Accordingly, on the basis of comparison consideration of R&M expenditure actually incurred by AEGCL with the values approved by the Hon'ble Commission results into loss of ₹ 2.78 Crore in FY 2015-16 as indicated in the Table 4.

## 7.9 Administration & General Expenses

In line with the provisions of the MYT regulation, A&G expenses are categorized as controllable expenses and accordingly, the comparison of value approved by the Hon'ble Commission with the actual A&G expenses incurred by AEGCL results into loss of ₹ 3.03 Crore in 2015-16 as highlighted in the Table 4.

## 8 Depreciation

8.1 The Opening Gross Block of Fixed Assets for FY 2015-16 has been revised from ₹ 1710.57 Crore to ₹ 1345.80 Crore. The amount of depreciation for FY 2015-16 is revised in the truing up claim. Depreciation has been calculated taking into consideration the opening balance of assets in the beginning of the year and the capitalization as shown in the Table 5.

**Table 5: AEGCL – Fixed Assets & Depreciation**

(₹ Crore)

Sl No	Particulars	2015-16		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Assets qualifying for Tariff	1910.57	1544.59		
2	Accumulated Depreciation	146.39	860.27		
3	Assets qualifying for Depreciation (Less Grant)	712.70	1515.46		
4	Depreciation as per F S		36.82		
5	Depreciation for Tariff	12.45	48.05		(35.60)

8.2. The amount of depreciation for FY 2015-16 as against the value approved by the Hon'ble Commission results into a net uncontrollable loss of ₹ 35.60 Crore for FY 2015-16 as indicated in Table 5.

## 9. Interest & Finance Charges

The Interest & Finance charges for FY 2015-16 as against the value approved by the Hon'ble Commission results into a net uncontrollable loss of ₹ 20.99 Crore , as indicated in Table 6.

**Table 6 : AEGCL – Interest & Finance Charges**

Sl No	Particulars	2015-16		(₹ Crore)	
		Approved	Actual	Gain/ (Loss)	Contr
1	Total LTL	-	517.65		
2	Total LTL Interest as per F S	-	38.86		
3	Average Interest	0.10	0.10		
4	LTL For Tariff	-	517.65		
5	Interest for Tariff	17.98	38.86		
6	Interest on security deposit	-	-		
7	Guarantee Charge	-	0.11		
8	Total Interest & Finance Charge	17.98	38.97		(20.99)

## 10. Interest on Working Capital

10.1. The interest on working capital has been calculated based on the normative formula by the Hon'ble Commission in its Terms and Conditions of Tariff Regulations. It may be mentioned that the working capital requirements of the company to finance the business cycle is generally financed through internal mobilization of funds that remains in the hand of the company such as GPF contributions, pension fund, etc. The funds are liable to receive adequate return for the application of fund.

10.2. The normative values of the components of Working Capital requirements as per revised claims are made as uncontrollable item. The interest on working capital for FY 2015-16 computed by AEGCL against that approved by the Hon'ble Commission is as shown in Table 7 below.

**Table 7: AEGCL – Interest on Working Capital**

(₹ Crore)

Sl No	Particulars	2015-16		Gain/ (Loss)	
		Approved	Revised Claims	Contr	Uncontr
1	O&M Expenses- One month	12.88	12.57		
2	2 month Receivables	89.65	131.06		
3	1% of GFA	17.11	15.45		
4	Total working Capital	119.64	159.07		
5	Rate of Interest on WC	14.75%	14.75%		
6	Interest on WC	17.65	23.46		(5.81)

**11. Other Costs and Bad Debt.**

Other Debit and Net Prior Period Expenses/Income figures have been taken from the annual accounts for the FY 2015-16. Comparing these values with the approved figures by the Hon'ble Commission resulted in loss of ₹ 0.19 Crore in respect of Other Debit and loss of ₹ 3.98 Crore in respect of Net Prior Period Expenses/Income on account of uncontrollable factors as shown in the Table 8 below.

**Table 8: AEGCL – Treatment of Other Cost Items and Bad Debt**

(₹ Crore)

Sl No	Particulars	2015-16		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Other Debit	-	0.19		(0.19)
2	Provision of Bad Debt	-	-	-	-
3	Net Prior Period Expenses/Income	-	3.98	-	(3.98)
	Total	-	4.17	-	(4.17)

**12. Return on equity**

As per the Tariff regulations issued by the Hon'ble Commission, a return @ 14% on the equity base is considered as reasonable and hence liable to be recovered through retail Tariff. The AEGCL has shown sign of recovery in the recent years by improving its operational performance and speedy implementation of different schemes. Accordingly, AEGCL has computed the return on equity considering a rate of return @ 14% for FY 2015-16 as shown in table 9.

**Table 9: AEGCL – Return on Equity**

(₹ Crore)

SI No	Particulars	2015-16		Gain/ (Loss)	
		Approved	Revised Claims	Contr	Uncontr
1	Opening Equity Capital		99.93		
2	Equity addition during the year		-		
3	Closing Equity		99.93		
4	Average Equity		99.93		
5	Rate of Return on equity		14%		
6	Return on Equity	13.99	13.99		-

**13. Taxes**

The actual tax implications for FY 2015-16 as against the value approved by the Hon'ble Commission results neither gain nor loss for FY 2015-16 as indicated in Table 10.

**Table 10: AEGCL – Provision for Taxes**

(₹ Crore)

SI No	Particulars	2015-16		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Provision of Tax/ Tax Expenses	-	-		-

**14. Bulk Supply Tariff (BST) – Terminal Benefits**

The Bulk Supply Tariff (BST) for FY 2015-16 as against the value approved by the Hon'ble Commission results into a net uncontrollable gain of ₹ 3.50 Crore, as indicated in Table 11.

**Table 11 : AEGCL – Bulk Supply Tariff (BST)**

(₹ Crore)

SI No	Particulars	2015-16		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Special Charges on Bulk Supply Tariff	154.92	151.42		3.50
	Total	154.92	151.42		3.50

**15. Non-Tariff Income for FY 2015-16**

The amount of Non-Tariff Income mostly comprising of income from investments and misc. receipts, receivable from CTU for utilization of its network for wheeling CSGS energy to some states of the region. The actual amount received during FY 2015-16 is considered in the truing up claim.

**Table 12: AEGCL – Non-Tariff Income for FY 2015-16**

(₹ Crore)

SI No	Particulars	2015-16		Gain/ (Loss)	
		Approved	Actual	Contr	Uncontr
1	Non Tariff Income	55.71	85.99		30.28

**16. Aggregate Revenue Requirement for FY 2015-16**

Based on above expenses, table below summarizes Aggregate Revenue Requirement for FY 2015-16 for AEGCL in comparison with values approved by the Hon'ble Commission for approval of the Hon'ble Commission.

**Table 13: Aggregate Revenue Requirement for FY 2015-16**

(₹ Crore)

Sl No	Particulars	FY 2015-16		
		Approved	Actual	Revised
1	PGCIL Charges	254.55	441.43	441.43
2	Operation & Maintenance Expenses	151.91	149.16	149.16
2.1	Employee Cost	138.90	130.34	130.34
2.2	Repair & Maintenance	8.75	11.53	11.53
2.3	Administrative & General Expenses	4.26	7.29	7.29
3	Depreciation	12.45	48.05	48.05
4	Interest and Finance Charges	17.98	38.97	38.97
5	Interest on Working Capital	17.65	23.46	23.46
6	Other Debits	-	0.19	0.19
7	SLDC charges	2.65	1.68	1.68
8	BST for Pension Trust Fund	154.92	151.42	151.42
9	Provision for Bad Debt	-	-	-
10	Net prior period expenses	-	3.98	3.98
11	Other expenses Capitalised	-	-	-
12	<b>Sub total (1+2+(3 to 10))</b>	<b>612.11</b>	<b>858.34</b>	<b>858.34</b>
13	Return on Equity	13.99	13.99	13.99
14	Provision for tax/ tax paid	-	-	-
15	Total Expenditure (12 to 14)	626.10	872.33	872.33
16	Less Non Tariff Income	55.71	85.99	85.99
17	<b>Aggregate Revenue Requirements (15-16)</b>	<b>570.39</b>	<b>786.34</b>	<b>786.34</b>
18	Add : True-Up for FY 2013-14	(32.46)	-	-
19	<b>Net Aggregate Revenue</b>	<b>537.93</b>	<b>786.34</b>	<b>786.34</b>
20	Revenue with approved Tariff	537.92	537.92	537.92
21	Other Income (Misc)	-	-	-
22	Total Revenue Before Subsidy (20+21)	537.92	537.92	537.92
23	Agriculture Subsidy	-	-	-
24	Other subsidy	-	-	-
25	<b>Total Revenue after subsidy</b>	<b>537.92</b>	<b>537.92</b>	<b>537.92</b>
26	<b>(Gap)/ surplus</b>	<b>(0.01)</b>	<b>(248.42)</b>	<b>(248.42)</b>

Note:

1. Break up of SLDC Charges for the FY 2015-16

(₹ Crore)

Sl. No.	Particulars	Amount
1	Employee Cost	1.52
2	Repair & Maintenance	0.02
3	Administrative & General Expenses	0.14
	<b>Total</b>	<b>1.68</b>

2. Depreciation provided in the Actual & Revised Claims columns have been calculated as per Regulation 14 of AERC Tariff Regulations, 2006.

## **17. Sharing of Gains & Losses**

- 17.1. MYT Regulations has not specified any Mechanism for treatment of Gains and Losses on account of Uncontrollable and Controllable expenses. In absence of this, the methodology considered by the Hon'ble Commission for the previous years for sharing of such gains/losses is considered in this petition as a reference. In previous year(s) the uncontrollable factors was fully considered as a pass through and controllable factors was considered as per prudent and judicious decision of the Commission. It is expected that the Commission will give due consideration on the claim of the petitioner taking into consideration of the constraints under which the organization is functioning and tries its best for better service with improved performance in coming years.
- 17.2. As indicated above, AEGCL has identified all the expenditure heads under controllable and uncontrollable categories. The gain/losses arise as a result of Truing Up for FY 2015-16 for AEGCL shall be suitably passed through the tariff as per mechanism specified by the Hon'ble Commission.

## **18. Sharing of Gains/Losses for FY 2015-16.**

Based on the methodology prescribed in the Regulation, AEGCL has classified various heads of expenses under Controllable & Uncontrollable factors. The head wise losses have been dealt in above sections. During FY 2015-16 AEGCL had incurred a net loss of ₹ 5.81 Crore on account of controllable factors while net loss attributed to uncontrollable factors is ₹ 242.60 Crore resulting in total Revenue Gap of ₹ 248.42 Crore as shown in **Table 14.**

**Table 14: AEGCL – Truing Up for FY 2015-16****(₹ Crore)**

Sr No	Particulars	2015-16			Controllable	Uncontrollable
		Approved	Actual	Revised Claims		
1	PGCIL Charges	254.55	441.43	441.43	-	(186.88)
2	Operation & Maintenance Expenses	151.91	149.16	149.16		
2.1	Employee Cost	138.90	130.34	130.34	-	8.56
2.2	Repair & Maintenance	8.75	11.53	11.53	(2.78)	-
2.3	Administrative & General Expenses	4.26	7.29	7.29	(3.03)	-
3	Depreciation	12.45	48.05	48.05	-	(35.60)
4	Interest and Finance Charges	17.98	38.97	38.97	-	(20.99)
5	Interest on Working Capital	17.65	23.46	23.46	-	(5.81)
6	Other Debits	-	0.19	0.19	-	(0.19)
7	SLDC charges	2.65	1.68	1.68	-	0.97
8	BST for Pension Trust Fund	154.92	151.42	151.42	-	3.50
9	Provision for Bad Debt	-	-	-	-	-
10	Net prior period expenses	-	3.98	3.98	-	(3.98)
11	Other expenses Capitalised	-	-	-	-	-
12	<b>Sub total (1+2+(3 to 10))</b>	<b>612.11</b>	<b>858.34</b>	<b>858.34</b>	<b>(5.81)</b>	<b>(240.42)</b>
13	Return on Equity	13.99	13.99	13.99	-	-
14	Provision for tax/ tax paid	-	-	-	-	-
15	<b>Total Expenditure (12 to 14)</b>	<b>626.10</b>	<b>872.33</b>	<b>872.33</b>	<b>(5.81)</b>	<b>(240.42)</b>
16	Less Non Tariff Income	55.71	85.99	85.99	-	(30.28)
17	<b>Aggregate Revenue Requirements (15-16)</b>	<b>570.39</b>	<b>786.34</b>	<b>786.34</b>	<b>(5.81)</b>	<b>(210.14)</b>
18	Add : True-Up for FY 2013-14	(32.46)	-	-	-	(32.46)
19	<b>Net Aggregate Revenue</b>	<b>537.93</b>	<b>786.34</b>	<b>786.34</b>	<b>(5.81)</b>	<b>(242.60)</b>
20	<b>Revenue with approved Tariff</b>	<b>537.92</b>	<b>537.92</b>	<b>537.92</b>	-	-
21	Other Income (Misc)	-	-	-	-	-
22	Total Revenue Before Subsidy (20+21)	537.92	537.92	537.92	-	-
23	Agriculture Subsidy	-	-	-	-	-
24	Other subsidy	-	-	-	-	-
25	Total Revenue after subsidy	<b>537.92</b>	<b>537.92</b>	<b>537.92</b>	-	-
26	<b>(Gap)/ surplus</b>	<b>(0.01)</b>	<b>(248.42)</b>	<b>(248.42)</b>	-	-

Note :

1. Break up of SLDC Charges for the FY 2015-16

**(₹ Crore)**

Sl. No.	Particulars	Amount
1	Employee Cost	1.52
2	Repair & Maintenance	0.02
3	Administrative & General Expenses	0.14
	<b>Total</b>	<b>1.68</b>

2. Depreciation provided in the Actual & Revised Claims columns have been calculated as per Regulation 14 of AERC Tariff Regulations, 2006.

**19. Revenue for FY 2015-16**

19.1. During the FY 2015-16, AEGCL has demanded revenue of ₹ 786.34 Crore as against ₹ 537.92 Crore as approved by the Hon'ble Commission. The same has been considered for the purpose of finding out the revenue gap for FY 2015-16 along with Non Tariff Income.

**Table 15: Revenue Gap for FY 2015-16**

		(₹ Crore)
Sl No	Particulars	2015-16
1	ARR Originally Approved	537.92
2	Gain/(Loss) on Account of Uncontrollable factors	(242.60)
3	Gain/(Loss) on Account of Controllable factors	(5.81)
4	Revised ARR	786.34
5	Revenue with Approved Tariff	537.92
6	Other Income	-
7	Total Revenue Before Subsidy (5+6)	537.92
8	Agricultural subsidy	-
9	Other Subsidy	-
10	Total revenue after Subsidy (7+8+9)	537.92
11	Revised Gap after treating Gain & Loss due for Controllable & Uncontrollable Factors (4-10)	248.42

19.2. The Hon'ble Commission is requested to approve above Annual Revenue Requirement and allow AEGCL to pass on the Revised Revenue Gap obtained after treating gains/losses for FY 2015-16.

# CHAPTER '4'

## CHAPTER 4

### 4. Aggregate Revenue Requirement for FY 2016-17 to 2018-19

#### 4.1. Preamble

4.1.1. This section outlines the Aggregate Revenue Requirement of AEGCL for FY 2016-17 to 2018-19.

#### 4.2. Component of Expenses for the FY 2016-17 to 2018-19

The components for the calculation of total expenses for FY 2016-17 to 2018-19 are as follow:

- PGCIL Charges
- Operation & Maintenance Cost
- BST for Pension Trust
- Depreciation
- Interest on Loan and Financial Charges
- Interest on Working Capital
- Other Debits
- Return on Equity

### 4.3. Transmission Losses

The company has achieved a significant reduction in Transmission losses, during recent years. These efforts shall continue and will be enhanced. Projected transmission losses for FY 2016-17 to 2018-19 are as shown below:

**Table 1: Transmission Losses for the FY 2016-17 to 2018-19**

	<b>Particulars</b>	<b>Unit</b>	<b>FY 2016-17</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>
			Projected		
1	Total Energy Delivered by Generating Stations in the state and inter-state tie-lines to the Transmission system of the licensee	MU	9390.00	11395.00	13531.00
2	Energy Delivered by Grid S/Ss to Distribution Licensees	MU	9057.00	10998.00	13066.00
3	Transmission Loss in system (1-2)	MU	333.00	397.00	465.00
4	Transmission loss in system (%) [(1-2)/1]	%	3.54	3.49	3.44

### 4.4. Transmission Availability

**Table 2: Transmission Availability for the FY 2016-17 to 2018-19**

	<b>Particulars</b>	<b>Unit</b>	<b>FY 2016-17</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>
			Projected		
1	Transmission Availability Factor	%	99.45	99.50	99.50

## 4.5 Capital Expenditure

4.5.1. The scheme-wise capital expenditure of AEGCL for the Control Period 2016-17 to 2018-19 as provisionally approved by the Hon'ble AERC is shown below:

**Table 3: Capital Expenditure Plan**

Sr. No.	Type of Works	New/ On-going	Name of Works	Total Cost of Works (Rs. Crore)	Capital Expenditure (Rs. Crore)		
					FY 2016-17	FY 2017-18	FY 2018-19
1	Strengthening & Augmentation of Existing Network	New	Bornagar 220/132kV SS, 2x160 MVA SS	150.93	0.00	8.08	82.48
2	Strengthening & Augmentation of Existing Network	New	Makum: 2x100 MVA, 220/132kV; 2x40 MVA, 132/33kV SS	180.15	0.00	0.00	0.00
3	Strengthening & Augmentation of Existing Network	New	Khumtai, 2x100 MVA, 220/132kV; 2x40 MVA, 132/33kV SS	164.52	0.00	8.99	89.73
4	Strengthening & Augmentation of Existing Network	New	Silapathar, 2x100 MVA, 132/33 kV	140.67	0.00	0.00	0.00
5	Strengthening & Augmentation of Existing Network	New	LILO of one circuit of BTPS – Rangia 220kV line with 2 nos. Pole at Bornagar	21.13	0.00	1.40	11.98
6	Strengthening & Augmentation of Existing Network	New	220kV Double Circuit LILO of NTPS 0.00 Tinsukia line at Makum	17.77	0.00	0.00	0.00
7	Strengthening & Augmentation of Existing Network	New	220kV Double circuit LILO of existing Samaguri – Mariani line at Khumtai	13.03	0.00	1.04	7.30
8	Strengthening & Augmentation of Existing Network	New	LILO of Jorhat (W) – Bokakhat 132kV S/C line Khumtai	4.39	0.00	0.39	3.32
9	Strengthening & Augmentation of Existing Network	New	Khumtai – Sarupathar 132kV D/C line	43.07	0.00	4.08	19.26
10	Strengthening & Augmentation of Existing Network	New	Behaiting – Silapathar 220kV D/C line with 7 KM Brahmaputra river crossing with 400kV Tower	151.05	0.00	0.00	0.00
11	Strengthening & Augmentation of Existing Network	New	Sonapur 400kV SS, 2x315 MVA	257.52	0.00	11.32	123.10
12	Strengthening & Augmentation of Existing Network	New	Boragaon, 220/33kV SS, 2x100 MVA	150.93	0.00	7.36	55.64
13	Strengthening & Augmentation of Existing Network	New	LILO of Silchar 0.00 Byrnihat 400kV line at Sonapur.	62.07	0.00	3.82	35.33

Sr. No.	Type of Works	New/ On-going	Name of Works	Total Cost of Works (Rs. Crore)	Capital Expenditure (Rs. Crore)		
					FY 2016-17	FY 2017-18	FY 2018-19
14	Strengthening & Augmentation of Existing Network	New	Kukumara – Boragaon 220kV D/C line with 3.0 KM UG Cable	82.87	0.00	3.28	29.87
15	Strengthening & Augmentation of Existing Network	New	Dhemaji, from 1x12.5+1x16 MVA to 2x40 MVA	9.10	0.00	0.00	8.01
16	Strengthening & Augmentation of Existing Network	New	BTPS, 1x80+1x160 MVA to 2x160 MVA	10.74	0.00	9.00	0.45
17	Strengthening & Augmentation of Existing Network	New	Bornagar, 2x25 MVA to 2x40 MVA	9.10	0.00	0.00	8.01
18	Strengthening & Augmentation of Existing Network	New	Rangia, 2x25 MVA to 2x50 MVA	10.47	0.00	0.00	9.21
19	Strengthening & Augmentation of Existing Network	New	Sishugram, 2x30 +1x40 MVA to 2x50 +1x.40 MVA	10.47	0.00	0.00	9.21
20	Strengthening & Augmentation of Existing Network	New	Narengi, 2x25 MVA to 2x50 MVA	10.47	0.00	0.00	9.21
21	Strengthening & Augmentation of Existing Network	New	Sipajhar, 2x16 MVA to 2x40 MVA	9.10	0.00	0.00	8.01
22	Strengthening & Augmentation of Existing Network	New	Biswanath Chariali, 2x16 to 2x40 MVA	7.67	0.00	6.79	0.88
23	Strengthening & Augmentation of Existing Network	New	Golaghat, 2x25 MVA to 2x50 MVA	10.26	0.00	0.00	9.03
24	Strengthening & Augmentation of Existing Network	New	Agia, 1x50+1x100 MVA, 220/132kV to 1x160+1x100 MVA; 1x12.5+1x40 MVA to	14.79	0.00	0.00	13.02
25	Strengthening & Augmentation of Existing Network	New	Kahilipara, 2x40+2x30+1x31.5 MVA to 5x40 MVA	13.70	0.00	0.00	12.06
26	Strengthening & Augmentation of Existing Network	New	Jogighopa (APM), 2x12.5 MVA to 2x25 MVA	7.67	0.00	0.00	1.67
27	Strengthening & Augmentation of Existing Network	New	Pailapool, 3x10+1x16 MVA to 2x25+1x16 MVA	7.54	0.00	0.78	0.76
28	Strengthening & Augmentation of Existing Network	New	Srikona, 2x25 MVA to 2x40 MVA	9.00	4.25	0.25	4.50
29	Strengthening & Augmentation of Existing Network	New	Namrup, 2x50 MVA, 220/132kV to 2x100 MVA	16.36	0.00	0.00	14.39

Sr. No.	Type of Works	New/ Ongoing	Name of Works	Total Cost of Works (Rs. Crore)	Capital Expenditure (Rs. Crore)		
					FY 2016-17	FY 2017-18	FY 2018-19
30	Strengthening & Augmentation of Existing Network	New	Sarusajai, 3x100 MVA, 220/132kV to 2x160 MVA	14.19	12.50	1.69	0.00
31	Strengthening & Augmentation of Existing Network	New	Bokajan, 2x16 MVA, 132/33kV to 2x25 MVA	7.59	0.00	0.00	1.59
32	Strengthening & Augmentation of Existing Network	New	Shankardebnagar, 2x25 MVA to 1x40 MVA+2x25 MVA	5.35	0.00	0.00	4.71
33	Strengthening & Augmentation of Existing Network	New	Samaguri, 1x40+2x25 MVA to 3x40 MVA	9.10	0.00	0.00	8.01
34	Strengthening & Augmentation of Existing Network	New	Moran, 2x16 MVA to 2x25 MVA	9.37	0.00	0.00	8.25
35	Strengthening & Augmentation of Existing Network	New	Two 220kV numbers bay at Kukurmara 400/220kV SS against Kukurmara.00Boragao n 220kV D/C line	4.30	0.00	0.00	3.44
36	Strengthening & Augmentation of Existing Network	New	One no. 132kV Transformer Bay at Shankardebnagar 132/33kV SS for one no. 40MVA proposed new transformer under capacity augmentation.	1.58	0.00	0.00	1.27
37	Strengthening & Augmentation of Existing Network	Ongoing	Sonapur 220/132, 2x100 MVA ; 132/33kV 2x25 MVA	56.50	16.95	0.00	0.00
38	Strengthening & Augmentation of Existing Network	Ongoing	LILO of 220 kV Samaguri – Sarusajai at Sonapur	13.73	4.12	0.00	0.00
39	Strengthening & Augmentation of Existing Network	Ongoing	LILO of Chandrapur – Narengi.00KHP at Sonapur	11.88	3.56	0.00	0.00
40	Strengthening & Augmentation of Existing Network	Ongoing	Rangia – Salakathi 220 kV D/C line	123.58	37.07	0.00	0.00
41	Expansion of Transmission Network	New	Jakhalabandha, 2x50 MVA, 220/33kV	107.21	0.00	2.89	17.53
42	Expansion of Transmission Network	New	Jonai, 2x25 MVA, 132/33kV	33.08	0.00	1.51	6.62
43	Expansion of Transmission Network	New	Dhing, 2x25 MVA, 132/33kV	32.81	0.00	1.51	6.56
44	Expansion of Transmission Network	New	Baithalangso, 2x25 MVA, 132/33kV	32.17	0.00	1.46	0.00
45	Expansion of Transmission Network	New	Titabor, 2x25, 132/33 kV	48.57	0.00	1.31	9.71

Sr. No.	Type of Works	New/ On-going	Name of Works	Total Cost of Works (Rs. Crore)	Capital Expenditure (Rs. Crore)		
					FY 2016-17	FY 2017-18	FY 2018-19
46	Expansion of Transmission Network	New	Dhupdhara, 2x25 MVA, 132/33kV	32.42	0.00	1.33	6.48
47	Expansion of Transmission Network	New	Kumarikata, 2x25 MVA, 132/33kV	31.06	0.00	1.20	6.21
48	Expansion of Transmission Network	New	LILO of Samaguri – Mariani 220kV S/C line at Jakkhalabandha.	11.85	0.00	0.47	2.37
49	Expansion of Transmission Network	New	Silapathar – Jonai 132kV S/C line on D/C Tower	54.81	0.00	1.30	13.56
50	Expansion of Transmission Network	New	Nagaon 0.002 – Dhing 132 kV D/C line	26.34	0.00	0.58	6.43
51	Expansion of Transmission Network	New	LILO of one circuit of Samaguri – Shankardeb Nagar 132kV D/C line at Baithalangso	21.95	0.00	0.49	5.36
52	Expansion of Transmission Network	New	Mariani – Titabor 132kV S/C line in D/C Tower	19.58	0.00	0.46	4.84
53	Expansion of Transmission Network	New	Boko – Dhupdhara 132kV S/C line on D/C Tower	23.49	0.00	0.56	5.81
54	Expansion of Transmission Network	New	Nalbari – Kumarikata 132kV S/C line on D/C Tower	27.41	0.00	0.65	6.78
55	Expansion of Transmission Network	New	One no 132kV Bay at Silapathar against Silapathar – Jonai 132kV line	1.58	0.00	0.00	1.27
56	Expansion of Transmission Network	New	Two numbers 132 kV Bay at Nagaon 0.002 for Nagaon0.002 – Dhing line	2.90	0.00	0.00	2.32
57	Expansion of Transmission Network	New	One no 132kV Bay at Mariani against Mariani – Titabor S/C line	1.58	0.00	0.00	1.27
58	Expansion of Transmission Network	New	One no 132 kV Bay at Boko for Boko – Dhupdhara 132 kV line	1.58	0.00	0.00	1.27
59	Expansion of Transmission Network	New	One 132 kV Bay at Nalbari for Nalbari – Kumarikata 132 kV line	1.58	0.00	0.00	1.27
60	Expansion of Transmission Network	New	Panjabari, 2x100 MVA, 220/132kV	95.87	0.00	1.56	19.17

Sr. No.	Type of Works	New/ On-going	Name of Works	Total Cost of Works (Rs. Crore)	Capital Expenditure (Rs. Crore)		
					FY 2016-17	FY 2017-18	FY 2018-19
61	Expansion of Transmission Network	New	Nathkuchi, 2x40 MVA, 132/33kV	33.05	0.00	0.70	6.61
62	Expansion of Transmission Network	New	Narayanpur, 2x50 MVA, 220/33kV	142.09	0.00	1.68	15.79
63	Expansion of Transmission Network	New	Nagaon0.002, 2x50 MVA, 132/33 kV	51.51	0.00	1.42	5.15
64	Expansion of Transmission Network	New	Ghungur, 2x40 MVA, 132/33kV	49.09	0.00	1.39	6.30
65	Expansion of Transmission Network	New	Agamoni, 2x25 MVA, 132/33kV	31.60	0.00	2.51	5.67
66	Expansion of Transmission Network	New	Chhaygaon, 2x25 MVA, 132/33kV	47.97	0.00	1.34	6.14
67	Expansion of Transmission Network	New	LILO of Sonapur – Sarusajai 220kV line at Panjabari	3.55	0.00	0.00	2.84
68	Expansion of Transmission Network	New	LILO of Bornagar – Rangia 132kV S/C line at Nathkuchi	2.63	0.00	0.00	2.11
69	Expansion of Transmission Network	New	Biswanath Chariali – Narayanpur 220kV S/C line on D/C Tower	92.37	0.00	0.00	18.47
70	Expansion of Transmission Network	New	LILO of one circuit of Samaguri – Nagaon 132kV line at Nagaon0.002	8.78	0.00	0.00	7.02
71	Expansion of Transmission Network	New	Pailapool –Ghungur 132kV S/C line on D/C Tower	19.58	0.00	0.93	8.76
72	Expansion of Transmission Network	New	LILO of Gossaigaon – Gauripur line at Agamoni	8.78	0.00	0.00	7.02
73	Expansion of Transmission Network	New	Boko – Chhaygaon 132 kV D/C line	21.95	0.00	0.97	9.75
74	Expansion of Transmission Network	New	One no 132 kV Bay at Pailapool against Pailapool – Ghungur 132 kV line	1.58	0.00	0.00	1.27
75	Expansion of Transmission Network	New	Two numbers 132 kV Bay at Boko for Boko – Chhaygaon 132 kV D/C Line	2.90	0.00	0.00	2.32
76	Expansion of Transmission Network	Ongoing	Kokrajhar 132/33kV, 2x25 MVA Substation	15.44	0.00	0.00	0.00
77	Expansion of Transmission Network	Ongoing	Karimganj, 132/33kV, 2x25 MVA S/S	22.25	6.68	0.00	0.00
78	Expansion of Transmission Network	Ongoing	Barpeta, 132/33kV, 2x25 MVA	19.69	5.91	0.00	0.00

Sr. No.	Type of Works	New/ Ongoing	Name of Works	Total Cost of Works (Rs. Crore)	Capital Expenditure (Rs. Crore)		
					FY 2016-17	FY 2017-18	FY 2018-19
79	Expansion of Transmission Network	Ongoing	Dhekiajuli, 132/33kV, 2x25 MVA SS	24.57	7.37	0.00	0.00
80	Expansion of Transmission Network	Ongoing	Hatsingimari, 132/33 kV, 2x16 MVA	22.50	6.75	0.00	0.00
81	Expansion of Transmission Network	Ongoing	Azara, 132/33kV, 2x40 MVA	9.25	2.76	0.00	0.00
82	Expansion of Transmission Network	Ongoing	Umrangso	13.44	0.00	0.00	0.00
83	Expansion of Transmission Network	Ongoing	Sonabil – Biswanath Chariali 220kV S/C on D/C tower	25.95	18.16	7.79	0.00
84	Expansion of Transmission Network	Ongoing	BTPS –Kokrajhar 132 kV S/C line on D/C tower	4.15	0.42	0.00	0.00
85	Expansion of Transmission Network	Ongoing	Kukumara – Azara 132kV S/C line on D/C tower	3.04	0.91	0.00	0.00
86	Expansion of Transmission Network	Ongoing	Hailakandi – Karimganj 132kV S/C line on D/C tower	10.65	3.20	0.00	0.00
87	Expansion of Transmission Network	Ongoing	Kokrajhar – Bilasipara 132kV S/C line on D/C tower	7.36	0.74	0.00	0.00
88	Expansion of Transmission Network	Ongoing	Bilasipara – Gauripur 132kV S/C line on D/C tower	11.52	1.15	0.00	0.00
89	Expansion of Transmission Network	Ongoing	Agia – Hatsingimari 132 kV S/C line on D/C tower	44.07	13.22	0.00	0.00
90	Expansion of Transmission Network	Ongoing	Salakathi – BTPS 132kV S/C line on D/C tower	20.79	6.24	0.00	0.00
91	Expansion of Transmission Network	Ongoing	LILO of Dhaligaon 0.00Bornagar – 132 kV S/C line at Barpeta	14.16	10.62	4.25	0.00
92	Expansion of Transmission Network	Ongoing	LILO of Rowta – Depota S/C line at Dhekiajuli	1.60	0.48	0.00	0.00
93	Plan for Evacuation of Power	New	Upgradation of existing Shankardebnagar 132/33kV SS to 220 kV (GIS), 2x160 MVA	126.01	0.00	1.41	23.80
94	Plan for Evacuation of Power	New	LKHEP – Shankardebnagar 220 kV D/C line	65.16	0.00	1.29	14.33
95	Plan for Evacuation of Power	New	Misa (PG) SS – Shankardebnagar 220 kV D/C line	29.62	0.00	0.59	6.51

Sr. No.	Type of Works	New/ Ongoing	Name of Works	Total Cost of Works (Rs. Crore)	Capital Expenditure (Rs. Crore)		
					FY 2016-17	FY 2017-18	FY 2018-19
96	Plan for Evacuation of Power	New	LKHEP – KLHEP 220kV D/C line	88.85	0.00	1.77	16.01
97	Plan for Evacuation of Power	New	2x500 MVA, 400/220kV Transformers at CTU's proposed Rangia (PGCIL) SS	261.51	0.00	0.00	0.00
98	Plan for Evacuation of Power	New	D/C LILO of Rangia – Amingaon 220kV D/C line	23.69	0.00	0.47	4.27
99	IT Application	New	Replacing existing Ground Wire by OPGW	39.04	0.00	15.62	19.52
100	IT Application	Ongoing	Protection Suite Software for Relay Data base management	1.06	0.00	1.06	0.00
101	IT Application	Ongoing	Renovation of PLCC system	12.99	0.00	9.09	3.90
102	Reduction of Transmission Losses	New	Sonabil – Depota 132kV S/c line	7.61	0.00	0.00	7.33
103	Reduction of Transmission Losses	New	LTPS – Mariani 132 kV S/C line	35.52	0.00	0.00	31.97
104	Reduction of Transmission Losses	New	BTPS 0.00 Dhaligaon 132kV D/C line	14.47	0.00	0.00	13.77
105	Reduction of Transmission Losses	New	Kukumara – Sarusajai 220kV D/C line	26.10	0.00	0.00	23.49
106	System Reliability and Efficiency Improvement	New	Procurement of ERS tower at four locations	26.49	0.00	0.00	23.84
107	System Reliability and Efficiency Improvement	Ongoing	Replacement of old & obsolete switchgear equipment of existing 46 numbers EHV SS	80.13	64.10	16.03	0.00
108	System Reliability and Efficiency Improvement	Ongoing	Upgradation of existing control & protection system to IEC 61850 based system.	193.67	116.08	77.59	0.00
109	System Reliability and Efficiency Improvement	Ongoing	Procurement of Diagnostic Tools	29.68	20.78	8.90	0.00
110	System Reliability and Efficiency Improvement	Ongoing	Strengthening of existing switching scheme & earthing system.	16.30	4.89	11.41	0.00
111	System Reliability and Efficiency Improvement	Ongoing	Redundancy in station auxiliary systems, Retrofitting of Nitrogen Fire Fighting System for existing transformers.	60.51	18.15	42.36	0.00
112	Metering Plan	New	Procurement of Communicable ABT compliant meters at forty eight locations	4.69	1.41	3.28	0.00
113	Network Expansion	New	Nagaon – Baghjap 132kV D/C line	48.28	0.00	1.07	8.59

Sr. No.	Type of Works	New/ On-going	Name of Works	Total Cost of Works (Rs. Crore)	Capital Expenditure (Rs. Crore)		
					FY 2016-17	FY 2017-18	FY 2018-19
114	Network Expansion	New	Moran0.00Sibasagar 132kV D/C line	39.50	0.00	0.88	7.03
115	Network Expansion	New	2nd Circuit Stringing of Samaguri – Nagaon 132 kV S/C line on D/C Tower	11.47	0.00	1.73	8.31
116	Network Expansion	New	2nd Circuit Stringing of BTPS 0.00Kokrajhar – Bilasipara – Gauripur 132kV S/C line on D/C Tower	29.26	0.00	4.42	21.20
117	Network Expansion	New	2 nos. 132 kV Bay at Nagaon 132/33kV S/S for Nagaon 0.00 Baghjap 132kV D/C line at Nagaon end	2.90	0.00	0.00	2.32
118	Network Expansion	New	2 nos. 132 kV Bay at Nagaon 132/33kV S/S for Nagaon Baghjap 132kV D/C line at Baghjap end	2.90	0.00	0.00	2.32
119	Network Expansion	New	One no 132kV Bay at Samaguri 220/132/33kV SS for 2nd Ckt stringing of Samaguri0.00Nagaon 132kV S/C line	1.58	0.00	0.00	1.27
120	Network Expansion	New	One no 132kV Bay at Nagaon 132/33kV SS for 2nd Ckt stringing of Samaguri0.00Nagaon 132kV S/C line	1.58	0.00	0.00	1.27
121	Network Expansion	New	Two nos 132kV Bay at Moran 132/33kV SS against Moran0.00Sibasagar 132kV D/C line	2.90	0.00	0.00	2.32
122	Network Expansion	New	Two nos 132kV Bay at Sibasagar 132/33kV SS against Moran0.00Sibasagar 132kV D/C line	2.90	0.00	0.00	2.32
123	Network Expansion	New	One no 132kV Bay at BTPS against 2nd Circuit Stringing of BTPS0.00Kokrajhar 132kV line.	1.58	0.00	0.00	1.27
124	Network Expansion	New	Two nos 132kV Bay at Kokrajhar against 2nd Circuit Stringing of BTPS0.00Kokrajhar – Bilasipara 132kV line.	2.90	0.00	0.00	2.32
125	Network Expansion	New	One no 132kV Bay at Gauripur against 2nd Circuit Stringing of BTPS0.00Kokrajhar0.00Bilasipara0.00Gauripur 132kV line.	1.58	0.00	0.00	1.27
126	Network Expansion	New	Two nos 132kV Bay at Bilasipara against 2nd Circuit Stringing of Kokrajhar – Bilasipara0.00Gauripur 132kV line.	2.90	0.00	0.00	2.32

#### **4.6. Funding of CAPEX**

- 4.6.1. The funding of above mentioned Capital Expenditure is envisaged through various sources categorized under headings Equity, Grant, and Loan. The expenditure projected for FY 2016-17 to 2018-19 are proposed to be funded through equity, loan and grant as per funding patterns of the schemes. The detailed breakup of funding of capital expenditure during FY 2016-17 to 2018-19 as provisionally approved by the Hon'ble AERC is shown in Table 4 vide Annexure A attached herewith.
- 4.6.2. The details of the Interest and finance charges based on the above funding plan have been discussed in details under paragraph 4.11.1.4 of the petition.

#### **4.7 PGCIL Charges**

Transmission charges to PGCIL for the FY 2016-17 has been projected by considering actual bill received for 6 months and projection for bill to be received against the wheeling charges of PGCIL for the month of October 2016 to March 2017. The projection is based on the Average Energy Peak Load (MW) for the year 2016-17, 2017-18, 2018-19 respectively as the calculation of Energy bill as per POC is based on the Maximum Peak Load (MW) of the month with proportionate Asset allocation of the State for the month.

The year wise Average Energy Peak Load (MW) for the Year 2016-17=1400 MW, 2017-18=1650 MW and 2018-19=2097 MW. The average monthly bill for the first six months in 2016-17 is ₹ 47.05 Crore and accordingly, the increase over the base year 2016-17 is 18% and 27% respectively.

The above projection is based on the data submitted by APDCL in their MYT Tariff file petition to the AERC.

Year wise details of Transmission charges to PGCIL are tabulated in the table below.

**Table 5: PGCIL Charges**

		( ₹ Crore)		
		2016-17	2017-18	2018-19
		Projected		
1	April	39.65	55.52	70.51
2	May	38.23	55.52	70.51
3	June	76.02	55.52	70.51
4	July	39.67	55.52	70.51
5	August	45.78	55.52	70.51
6	September	42.92	55.52	70.51
7	October	47.05	55.52	70.51
8	November	47.05	55.52	70.51
9	December	47.05	55.52	70.51
10	January	47.05	55.52	70.51
11	February	47.05	55.52	70.51
12	March	47.05	55.52	70.51
	<b>Total</b>	<b>564.57</b>	<b>666.24</b>	<b>846.12</b>

#### 4.8 Operation & Maintenance Expenses

4.8.1. The Operation & Maintenance (O&M) expenses consists of Repair and Maintenance Expenses, Employee Expenses and Administration & General Expenses. The O&M expenses for FY 2016-17 to 2018-19 are shown in the table below.

**Table 6: Operation & Maintenance Expenses for FY 2016-17 to FY 2018-19**

( ₹ Crore)			
Particulars	2016-17	2017-18	2018-19
	Projected		
Repair & Maintenance Expenses	11.52	12.10	12.70
Employee Expenses	175.13	192.64	215.76
Administration & General Expenses	8.85	10.23	10.78
<b>O&amp;M Expenses Total</b>	<b>195.50</b>	<b>214.97</b>	<b>239.24</b>

4.8.2 The methodology deployed by the company for projection of Repair and Maintenance Expenses, Employee Expenses and Administration & General Expenses have been dealt one by one in the subsequent paragraphs.

### 4.8.3 Repair & Maintenance Expenses

Repairs & maintenance expenses are directly related to age of the assets, its wear and tear during the period. While arriving R&M expenses for the FY 2016-17 actual R&M expenses incurred during 6 months plus estimate for the month of October 2016 to March 2017 has been considered. The worked out figure for the FY 2016-17 is ₹ 11.52 Crore. It is estimated that the expenditure for the years 2017-18 & 2018-19 will increase due to presence of vintage assets which require periodical and higher repairs. Further, there is sometimes need to undertake emergency repairs which have not been provided for in the projections. Thus, these expenses are uncontrollable in nature. The amount of R&M expenses for the FY 2017-18 & 2018-19 are computed at Rs. 12.10 Crore & Rs. 12.70 Crore respectively as shown in the table below.

**Table 7: Repair & Maintenance Expenses for FY 2016-17 to FY 2018-19**

( ₹ Crore)

Sl. No.	Particulars	2016-17	2017-18	2018-19
		<b>Projected</b>		
1	Plant & Machinery	7.09	7.44	7.82
2	Buildings	1.35	1.42	1.49
3	Civil works	0.83	0.87	0.92
4	Hydraulic Works	-	-	-
5	Lines, Cable Networks etc.	1.46	1.53	1.61
6	Vehicles	0.19	0.20	0.21
7	Furniture & Fixtures	0.05	0.05	0.06
8	Office Equipment	0.55	0.58	0.61
	<b>Total</b>	<b>11.52</b>	<b>12.10</b>	<b>12.70</b>
9	Any other items (Capitalisation)	-	-	-
	<b>Total</b>	<b>11.52</b>	<b>12.10</b>	<b>12.70</b>

AEGCL requests the Hon'ble Commission to approve the proposed expenses of ₹ 11.52 Crore , ₹ 12.10 Crore and ₹ 12.70 Crore under Repair and Maintenance for the FY 2016-17 to 2018-19 without any disallowance.

#### **4.8.4 Employee Expenses**

Employee expenses include salaries, bonus, other benefits like medical expense reimbursement, LTA, etc. and terminal benefits in the form of pension, gratuity, leave encashment, staff welfare etc.

Employee cost has been estimated considering trend of past year's employee cost, increase in dearness allowance, its merger and its impact on other allowances such as HRA, field allowances, PF, CPF etc. Additionally, increase in salary due to regular increments as well as promotion and new recruitments has also been considered. Year wise details of Employee Costs are tabulated in the table below.

While arriving Employee Cost for the FY 2016-17 actual salaries paid during 6 months plus estimate for the month of October 2016 to March 2017 has been considered. The arrived out figure of ₹ 140.66 Crore has been increased by ₹ 34.46 Crore due to provision for Revision of Pay (ROP) 2016. The worked out figure for the FY 2016-17 is ₹ 175.13 Crore.

The arrived out figure for the FY 2016-17 has been escalated by 10% (6% on account of increase in dearness allowance and 4% on account of average annual increments) to arrive the Employee Cost for the FY 2017-18.

The arrived out figure of ₹ 192.64 Crore for the FY 2017-18 has been escalated by 12% (8% on account of increase in dearness allowance and 4% on account of average annual increments) to arrive the Employee Cost for the FY 2018-19. The worked out figure for the FY 2018-19 is ₹ 215.76 Crore.

**Table 8: Employee Expenses for FY 2016-17 to FY 2018-19****( ₹ Crore)**

Sl. No.	Particulars	FY 2016-17	FY 2017-18	FY 2018-19
		<b>Projected</b>		
1	Salaries	65.91	72.50	81.20
2	Additional Pay	-	-	-
3	Dearness Allowance (DA)	65.93	72.52	81.23
4	Other Allowances & Relief	9.24	10.16	11.38
5	Addl. Pay & C.Off Encashment	-	-	-
6	Interim Relief / Wage Revision	-	-	-
7	Honorarium/Overtime	0.71	0.78	0.87
8	Bonus/ Exgratia To Employees	0.20	0.22	0.25
9	Medical Expenses Reimbursement	0.33	0.36	0.41
10	Travelling Allowance(Conveyance Allowance)	-	-	-
11	Leave Travel Assistance	0.25	0.28	0.31
12	Earned Leave Encashment	7.75	8.53	9.55
13	Payment Under Workman's Compensation And Gratuity	1.56	1.72	1.92
14	Subsidised Electricity To Employees	-	-	-
15	Any Other Item	-	-	-
16	Staff Welfare Expenses	0.02	0.02	0.02
17	Apprentice And Other Training Expenses	-	-	-
18	Contribution To Terminal Benefits	23.23	25.55	28.62
19	Provident Fund Contribution	-	-	-
20	Provision for PF Fund	-	-	-
21	Any Other Items	-	-	-
	<b>Total Employee Costs</b>	<b>175.13</b>	<b>192.64</b>	<b>215.76</b>
22	Less: Employee expenses capitalised	-	-	-
	<b>Net Employee expenses</b>	<b>175.13</b>	<b>192.64</b>	<b>215.76</b>

The Petitioner humbly requests the Hon'ble Commission to approve the proposed expenses of ₹ 175.13 Crore, ₹ 192.64 Crore and ₹ 215.76 Crore under employee expenses for the FY 2016-17 to 2018-19 without any disallowance.

**4.8.5 Administration & General Expenses**

Administration expenses mainly comprises of rents, telephone and other communication expenses, professional charges, conveyance and traveling expenses etc. While arriving A&G expenses for the FY 2016-17 actual A&G expenses incurred during 6 months plus estimate for the month of October 2016 to March 2017 has been considered. The A&G expense includes Administrative Cost for payment of Pension through SBI CPC under the head "Security/Service charges paid to Outside Agencies" in Table 9 below. The worked out figure for the FY 2016-17 is ₹ 8.85 Crore. The amount of A&G expenses during the years 2017-18 & 2018-19 are computed at ₹ 10.23 Crore & ₹ 10.78 Crore respectively as shown in the table below. AEGCL requests the Hon'ble Commission to approve the proposed expenses under A&G expenses for the FY 2016-17 to 2018-19 without any disallowance.

**Table 9: Administration & General Expenses for the FY 2016-17 to 2018-19**

( ₹ Crore)

Sl. No.	Particulars	FY 2016-17	FY 2017-18	FY 2018-19
		<b>Projected</b>		
1	Lease/ Rent/Rates and taxes	0.20	0.21	0.22
2	Insurance	0.07	0.07	0.08
3	Revenue Stamp Expenses Account	-	-	-
4	Telephone, Postage, Telegram & Telex Charges	0.30	0.32	0.33
5	Incentive & Award To Employees/Outsiders	-	-	-
6	Consultancy Charges	-	-	-
7	Technical Fees	-	-	-
8	Other Professional Charges	0.12	0.13	0.13
9	Conveyance And Travelling	0.59	0.62	0.65
10	License and Registration Fees	0.01	0.01	0.01
11	Vehicle Expenses	0.34	0.36	0.37
12	Security / Service Charges Paid To Outside Agencies	0.25	1.20	1.30
13	Fee And Subscriptions Books And Periodicals	4.10	4.31	4.52
14	Printing And Stationery	0.26	0.27	0.29
15	Advertisement Expenses	0.45	0.47	0.50
16	Contributions/Donations To Outside Institutes / Associations	0.03	0.03	0.03
17	Electricity Charges To Offices	0.53	0.56	0.58
18	Water Charges	-	-	-
19	Entertainment Charges	0.04	0.04	0.04
20	Miscellaneous Expenses	0.14	0.15	0.15
21	Legal Charges	0.09	0.09	0.10
22	Auditor's Fee	0.04	0.04	0.04
23	Freight On Capital Equipments	-	-	-
24	Purchase Related Advertisement Expenses	-	-	-
25	Vehicle Running Expenses Truck / Delivery Van	0.05	0.05	0.06
26	Vehicle Hiring Expenses Truck / Delivery Van	1.24	1.30	1.37
27	Other Freight	-	-	-
	<b>Total A&amp;G Expenses</b>	<b>8.85</b>	<b>10.23</b>	<b>10.78</b>
	Less: A&G Expenses Capitalised	-	-	-
	<b>Total A&amp;G Expenses</b>	<b>8.85</b>	<b>10.23</b>	<b>10.78</b>

#### 4.9. Bulk Supply Tariff (BST) for Pension Fund

The Honorable Commission had approved special charge on Bulk Supply Tariff @ 20 paise per unit of energy wheeled in the Tariff Order dated 21.11.2014. Accordingly the Special Charges on BST @ 20 paise per unit on energy wheeled by AEGCL is computed for the FY 2016-17 to FY 2018-19 as shown in the table below. AEGCL submits to the Honorable Commission to consider the above charges and approve it without any disallowance.

**Table 10: Bulk Supply Tariff (BST) for the FY 2016-17 to 2018-19**

( ₹ Crore)

Sl. No.	Particulars	FY 2016-17	FY 2017-18	FY 2018-19
		Projected		
1	Special Charges on Bulk Supply Tariff	181.14	219.96	261.32
	<b>Total</b>	<b>181.14</b>	<b>219.96</b>	<b>261.32</b>

#### 4.10. Fixed Assets and Depreciation

- 4.10.1. Depreciation has been computed as per AERC (terms & conditions for determination of Multi Year Tariff) Regulations, 2015 for the FYs 2016-17, 2017-18 & 2018-19. Depreciation has been calculated taking into consideration the opening balance of assets in the beginning of the year and the provisional capitalization. The addition of assets during the FYs 2016-17, 2017-18 & 2018-19 have been projected considering provisionally approved capital expenditure plan for FYs 2016-17 to 2018-19 by the Hon'ble Commission. The Closing Gross Block of Fixed Assets as per statutory audited Annual Accounts of AEGCL for the FY 2015-16 has been considered as the opening balance of assets in the beginning of the FY 2016-17. As specified in Regulation 33 [(33.2) & (33.4)] of AERC (terms & conditions for determination of Multi Year Tariff) Regulations, 2015, depreciation is calculated as per SLM considering depreciation on opening Fixed Asset to the extent of 90% of the Asset Value. Depreciation on the Assets added during the FYs has been calculated for 180 days assuming the date of commission of the Assets as middle of the Financial Year. Depreciation has been provided at the rates specified in the AERC's Depreciation Rate Schedule. Grants received from GoA & ADB towards total investment of the project is being accounted for in compliance with Accounting Standard (AS) 12 notified by Ministry of Corporate Affairs (MCA) and

accordingly depreciation has been provided on those assets at the rates prescribed by the regulation of AERC. Year wise details of Fixed Assets and Depreciation are tabulated in the table below.

**Table 11 (a): Fixed Assets and Depreciation**

( ₹ Crore)

	Name of Asset	Depreciation rate	2016-17				
			Projected				
			Opening	Addition	Adjustment & Deduction	Depreciation	Closing
1	Land owned under full ownership	0.00%	28.83	-	-	-	28.83
2	Land under lease		-	-	-	-	-
	For investment in land	3.34%	0.30	-	-	0.01	0.30
	For cost of clearing site	3.34%	-	-	-	-	-
3	Building	3.34%, 100.00%	27.48	-	-	0.97	27.48
4	Hydraulic	5.28%	2.64	-	-	-	2.64
5	Other Civil Works	3.34%	57.35	-	-	1.91	57.35
6	Plant & Machinery	5.28%	706.90	288.58	-	44.84	995.48
7	Lines & Cable Network	5.28%	710.84	99.89	-	40.13	810.73
8	Vehicles	9.50%	4.40	-	-	-	4.40
9	Furniture & Fixtures	6.33%	3.59	-	-	0.23	3.59
10	Office Equipment	6.33%, 15.00%	2.26	-	-	0.27	2.26
	<b>Total</b>		<b>1544.59</b>	<b>388.47</b>	-	<b>88.36</b>	<b>1933.06</b>

**Table 11 (b): Fixed Assets and Depreciation****( ₹ Crore)**

	Name of Asset	Depreciation rate	2017-18				
			Projected				
			Opening	Addition	Adjustment & Deduction	Depreciation	Closing
1	Land owned under full ownership	0.00%	28.83	-	-	-	28.83
2	Land under lease		-	-	-	-	-
	For investment in land	3.34%	0.30	-	-	0.01	0.30
	For cost of clearing site	3.34%	-	-	-	-	-
3	Building	3.34%, 100.00%	27.48	-	-	0.97	27.48
4	Hydraulic	5.28%	2.64	-	-	-	2.64
5	Other Civil Works	3.34%	57.35	-	-	1.91	57.35
6	Plant & Machinery	5.28%	995.48	247.20	-	59.00	1242.68
7	Lines & Cable Network	5.28%	810.73	60.30	-	44.38	871.03
8	Vehicles	9.50%	4.40	-	-	-	4.40
9	Furniture & Fixtures	6.33%	3.59	-	-	0.23	3.59
10	Office Equipment	6.33%, 15.00%	2.26	-	-	0.27	2.26
	<b>Total</b>		<b>1933.06</b>	<b>307.50</b>	-	<b>106.77</b>	<b>2240.56</b>

**Table 11 (c): Fixed Assets and Depreciation****( ₹ Crore)**

	Name of Asset	Depreciation rate	2018-19				
			Projected				
			Opening	Addition	Adjustment & Deduction	Depreciation	Closing
1	Land owned under full ownership	0.00%	28.83	-	-	-	28.83
2	Land under lease		-	-	-	-	-
	For investment in land	3.34%	0.30	-	-	0.01	0.30
	For cost of clearing site	3.34%	-	-	-	-	-
3	Building	3.34%, 100.00%	27.48	-	-	0.97	27.48
4	Hydraulic	5.28%	2.64	-	-	-	2.64
5	Other Civil Works	3.34%	57.35	-	-	1.91	57.35
6	Plant & Machinery	5.28%	1242.68	647.84	-	82.48	1890.52
7	Lines & Cable Network	5.28%	871.03	428.78	-	57.16	1299.81
8	Vehicles	9.50%	4.40	-	-	-	4.40
9	Furniture & Fixtures	6.33%	3.59	-	-	0.23	3.59
10	Office Equipment	6.33%, 15.00%	2.26	-	-	0.23	2.26
	<b>Total</b>		<b>2240.56</b>	<b>1076.62</b>	-	<b>142.99</b>	<b>3317.18</b>

## **4.11. Interest and Finance Charges**

### **4.11.1 Interest on Loan**

4.11.1.1 The interest expenditure on account of long-term loans depends on the outstanding loan, repayments, and prevailing interest rates on the outstanding loans. Further, the projected capital expenditure and the funding of the same also have a major bearing on the long-term interest expenditure.

4.11.1.2. The Opening balance of GoA Loan for FY 2016-17 amounts to ₹ 354.37 Crore (as per statutory audited Annual Accounts of AEGCL for the FY 2015-16).

The normative loan addition during the FYs 2016-17, 2017-18 & 2018-19 is computed as per the Capex funding plan.

4.11.1.3. The repayment of loan to the tune of 1/10th portion becomes due in every Financial Year.

4.11.1.4. The interest on the loans has been computed @10.00% on the Govt. Loans, 10.50% on Govt. Loans taken from Financial Institutions & 2.75% is rate of penal interest in the event of default the repayment of installments of principal or interest.

The Interest and Finance Charges for FYs 2016-17 to 2018-19 are tabulated in Table below.

**Table 12 (a): Interest and Finance Charges****( ₹ Crore)**

	Loan Details	Loan Tenure (yrs)	2016-17					
			Projected					
			Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A</b>	<b>Interest charges on State Govt. Loans, Bonds And Advances</b>							
1	State Government Loans		10.00%, 10.50%	354.37	18.50	-	36.77	372.87
2	ADB Loan		10.50%	89.39	-	-	9.39	89.39
3	Central Government Loans		10.00%	-	61.70	-	3.04	61.70
4	General Provident Fund		8.7%	63.89	14.48	16.08	5.24	62.29
	<b>Sub-total</b>			<b>507.65</b>	<b>94.68</b>	<b>16.08</b>	<b>54.44</b>	<b>586.25</b>
	<b>Interest on Long Term Loans/Credits from the FIs/banks/organisations approved by the State Government</b>							
<b>A</b>	<b>Secured Loans</b>			-	-	-	-	-
<b>B</b>	<b>Unsecured Loans</b>			-	-	-	-	-
<b>C</b>	<b>Other Interest &amp; Finance Charges</b>							
	Cost of raising Finance/Bank Charges						0.11	
	Penal Interest Charges						-	
	<b>Sub-total</b>						<b>0.11</b>	
<b>D</b>	<b>Grand Total Of Interest &amp; Finance Charges (A+B+C)</b>			<b>507.65</b>	<b>94.68</b>	<b>16.08</b>	<b>54.55</b>	<b>586.25</b>
<b>E</b>	Less : Interest & Finance Charges Capitalised						15.78	
	<b>Net Total Of Interest &amp; Finance Charges (D-E)</b>			<b>507.65</b>	<b>94.68</b>	<b>16.08</b>	<b>38.77</b>	<b>586.25</b>

**Table 12 (b): Interest and Finance Charges****( ₹ Crore)**

	Loan Details	Loan Tenure (yrs)	2017-18					
			Projected					
			Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A</b>	<b>Interest charges on State Govt. Loans, Bonds And Advances</b>							
1	State Government Loans		10.00%, 10.50%	372.87	7.87	-	38.09	380.74
2	ADB Loan		10.50%	89.39	1.99	-	9.49	91.38
3	Central Government Loans		10.00%	61.70	0.48	-	6.19	62.18
4	General Provident Fund		8.7%	62.29	14.34	16.08	5.10	60.55
	<b>Sub-total</b>			<b>586.25</b>	<b>24.68</b>	<b>16.08</b>	<b>58.87</b>	<b>594.85</b>
	<b>Interest on Long Term Loans/Credits from the FIs/banks/organisations approved by the State Government</b>							
<b>A</b>	<b>Secured Loans</b>			-	-	-	-	-
<b>B</b>	<b>Unsecured Loans</b>			-	-	-	-	-
<b>C</b>	<b>Other Interest &amp; Finance Charges</b>							
	Cost of raising Finance/Bank Charges						0.11	
	Penal Interest Charges							
	<b>Sub-total</b>						<b>0.11</b>	
<b>D</b>	<b>Grand Total Of Interest &amp; Finance Charges (A+B+C)</b>			<b>586.25</b>	<b>24.68</b>	<b>16.08</b>	<b>58.98</b>	<b>594.85</b>
<b>E</b>	Less : Interest & Finance Charges Capitalised						18.21	
	<b>Net Total Of Interest &amp; Finance Charges (D-E)</b>			<b>586.25</b>	<b>24.68</b>	<b>16.08</b>	<b>40.77</b>	<b>594.85</b>

**Table 12 (c): Interest and Finance Charges****( ₹ Crore)**

	Loan Details	Loan Tenure (yrs)	2018-19					
			Projected					
			Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A</b>	<b>Interest charges on State Govt. Loans, Bonds And Advances</b>							
1	State Government Loans		10.00%, 10.50%	380.74	0.68	-	38.53	381.42
2	ADB Loan		10.50%	91.38	37.93	-	11.56	129.31
3	Central Government Loans		10.00%	62.18	11.82	-	6.80	74.00
4	General Provident Fund		8.7%	60.55	14.19	16.08	4.95	58.66
	<b>Sub-total</b>			<b>594.85</b>	<b>64.62</b>	<b>16.08</b>	<b>61.84</b>	<b>643.39</b>
	<b>Interest on Long Term Loans/Credits from the FIs/banks/organisations approved by the State Government</b>							
<b>A</b>	<b>Secured Loans</b>			-	-	-	-	-
<b>B</b>	<b>Unsecured Loans</b>			-	-	-	-	-
<b>C</b>	<b>Other Interest &amp; Finance Charges</b>							
	Cost of raising Finance/Bank Charges						0.11	
	Penal Interest Charges							
	<b>Sub-total</b>						<b>0.11</b>	
<b>D</b>	<b>Grand Total Of Interest &amp; Finance Charges (A+B+C)</b>			<b>594.85</b>	<b>64.62</b>	<b>16.08</b>	<b>61.95</b>	<b>643.39</b>
<b>E</b>	Less : Interest & Finance Charges Capitalised						18.36	
	<b>Net Total Of Interest &amp; Finance Charges (D-E)</b>			<b>594.85</b>	<b>64.62</b>	<b>16.08</b>	<b>43.59</b>	<b>643.39</b>

## 4.12. Working Capital Requirements

4.12.1 The interest on working capital has been calculated based on the normative working formula by the Hon'ble Commission in its Terms & Conditions for determination of Multi Year Tariff Regulations, 2015.

4.12.2. The rate of interest provided on the working capital is State Bank of India base rate plus 350 basis points. Interest on working capital is calculated as shown below.

**Table 13: Working Capital Requirements**

	Loan Details	Unit	2016-17	2017-18	2018-19
			Projected		
1	O&M expenses for 1 month	₹Crore	16.29	17.91	19.94
2	Maintenance spares @ 15% of O&M	₹Crore	29.32	32.25	35.89
3	Receivables for two months	₹Crore	174.52	264.21	264.73
	<b>Total Working Capital</b>	₹Crore	<b>220.14</b>	<b>314.37</b>	<b>320.56</b>
	Rate of Interest	%	12.80%	12.80%	12.80%
	<b>Interest on Working Capital</b>	₹Crore	<b>28.18</b>	<b>40.24</b>	<b>41.03</b>

### 4.13. Income Tax

4.13.1. As per AERC MYT Regulations, 2015, Income Tax shall be claimed after actual Income Tax paid, at the time of truing up.

**Table 14: Income Tax for the FY 2016-17 to 2018-19**

( ₹ Crore)				
Sl. No.	Particulars	FY 2016-17	FY 2017-18	FY 2018-19
1	Income Tax payable	-	-	-
	<b>Total Income Tax payable</b>	<b>-</b>	<b>-</b>	<b>-</b>

### 4.14. Other Debits

4.14.1. There is one minor item of costs, Other Debits which has been taken at ₹ 0.19 Crore in each of the FY 2016-17 to 2018-19 annually as shown in the table below.

**Table 15: Other Debits for the FY 2016-17 to 2018-19**

( ₹ Crore)				
Sl. No.	Particulars	FY 2016-17	FY 2017-18	FY 2018-19
1	Miscellaneous losses written off	0.19	0.19	0.19
	<b>Total</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>

### 4.15. Statement of Equity

4.15.1 As specified in Regulation 34 (34.2) of AERC (terms & conditions for determination of Multi Year Tariff) Regulations, 2015, Return on Equity is calculated @ 15.50%.

4.15.2 The Return on Equity has been computed @ 15.50% on closing balance of equity based upon the opening balance of equity and normative additions during the years. Return on Equity is computed as shown in the table below.

**Table 16: Statement of Equity for the FY 2016-17 to 2018-19**

( ₹ Crore)					
Sl. No.	Loan Details	Unit	2016-17	2017-18	2018-19
			Projected		
1	Equity (Opening Balance)	₹Crore	99.93	148.20	222.22
2	Net additions during the year	₹Crore	48.27	74.02	326.94
3	Equity (Closing Balance)	₹Crore	148.20	222.22	549.16
4	Average Equity	₹Crore	124.07	185.21	385.69
5	Rate of Return on Equity	%	15.50%	15.50%	15.50%
6	<b>Return on Equity</b>	₹Crore	<b>22.97</b>	<b>34.44</b>	<b>85.12</b>

#### 4.16. Details of Non-tariff Income

4.16.1. The income in this category comprises of income from investments with Banks & miscellaneous receipts. Year wise details of Non-tariff Income are shown in the table below.

**Table 17: Details of Non-tariff Income**

( ₹ Crore)

Sl. No	Particulars	Unit	2016-17	2017-18	2018-19
			Projected		
<b>A</b>	<b>Income from Investment, Fixed &amp; Call Deposits</b>				
	Income from Investments	₹Crore	0.51	0.51	0.51
	Interest on fixed deposits	₹Crore	14.38	11.91	10.07
	Income on other investments (Dividend)	₹Crore	10.00	10.00	10.00
	Interest from Banks	₹Crore	0.62	0.62	0.62
	<b>Sub-Total</b>	₹Crore	<b>25.51</b>	<b>23.04</b>	<b>21.20</b>
<b>B</b>	<b>Other Non-Tariff Income</b>	₹Crore			
	Miscellaneous Receipts	₹Crore	49.39	49.66	49.66
	Penalty for contractor/supplier for delay, etc.	₹Crore	0.18	0.18	0.18
	Misc. Charges	₹Crore	0.16	0.16	0.16
	<b>Sub-Total</b>	₹Crore	<b>49.73</b>	<b>50.00</b>	<b>50.00</b>
	<b>Total</b>	₹Crore	<b>75.24</b>	<b>73.04</b>	<b>71.20</b>

#### 4.17. Details of Expenses Capitalised

Year wise details of expenses capitalised are shown in the table below.

**Table 18: Expenses Capitalised**

Sl. No.	Particulars	( ₹ Crore)		
		2016-17	2017-18	2018-19
			Projected	
1	Interest & Finance charges Capitalised	15.78	18.21	18.36
	<b>Total</b>	<b>15.78</b>	<b>18.21</b>	<b>18.36</b>

#### 4.18. Aggregate Revenue Requirement for FY 2016-17 to 2018-19

4.18.1. Based on above discussed expenses, the Aggregate Revenue Requirement during FY 2016-17 to 2018-19 has been determined as ₹ 1047.12 Crore, ₹ 1585.27 Crore and ₹ 1588.40 Crore respectively as shown in the table below.

**Table 19: Aggregate Revenue Requirements for 2016-17 to 2018-19**

SI No.	Particulars	( ₹ Crore)		
		2016-17	2017-18	2018-19
		<b>Projected</b>		
1	Energy Available (MU)	9390.00	11395.00	13531.00
2	Energy Transmitted (MU)	9057.00	10998.00	13066.00
3	Transmission Loss %	3.54	3.49	3.44
<b>A</b>	<b>Capacity Charges (Annual Fixed Charges)</b>			
1	PGCIL Charges	564.57	666.24	846.12
2	O&M expenses	195.50	214.97	239.24
a	R&M Expense	11.52	12.10	12.70
b	Employee Expenses	175.13	192.64	215.76
c	A&G Expense	8.85	10.23	10.78
3	BST for Pension Trust Fund	181.14	219.96	261.32
4	Depreciation	88.36	106.77	142.99
5	Interest on Loans	54.55	58.98	61.95
6	Interest on Working Capital	28.18	40.24	41.03
7	Income Tax	-	-	-
8	Net Prior Period Expenses	-	-	-
9	Other Debits	0.19	0.19	0.19
10	Return on Equity	22.97	34.44	85.12
11	Less: Non Tariff Income	75.24	73.04	71.20
12	Less: Expenses Capitalised	15.78	18.21	18.36
13	Add : Interest Expenses on State Government loan approved by the Hon'ble Commission in the Tariff Order dated 09.04.2015 on the Review Petition filed by AEGCL on the Tariff Order dated 21.11.2014 for FY 2014-15.	2.69	-	-
14	Add : Revenue Gap for FY 2014-15 (₹ 86.30 Crore) and Revenue Gap for FY 2015-16 (₹ 248.42 Crore)	-	334.72	-
	<b>Total</b>	<b>1047.12</b>	<b>1585.27</b>	<b>1588.40</b>
	Per Unit Charges for PGCIL (Rs.)	0.64	0.84	0.67
	Per Unit Charges of AEGCL excluding PGCIL Charges (Rs.)	0.52	0.60	0.55
	<b>Total Per Unit Charges (Rs.)</b>	<b>1.16</b>	<b>1.44</b>	<b>1.22</b>

Note : The above ARR Includes SLDC Charges.

**Break Up of SLDC Charges****( ₹ Crore)**

SI No.	Particulars	2016-17	2017-18	2018-19
		Projected		
1	Employee Cost	2.11	2.33	2.60
2	Repair & Maintenance	0.02	0.02	0.02
3	Administrative & General Expenses	0.24	0.25	0.26
	<b>Total</b>	<b>2.37</b>	<b>2.60</b>	<b>2.88</b>

4.18.2. AEGCL requests the Hon'ble Commission to approve the Aggregate Revenue Requirement for FY 2016-17 to 2018-19 without any disallowances.

# CHAPTER '5'

## CHAPTER 5

### 1. Prayer to the Hon'ble Commission

- 1.1 The petition provides, AEGCL's approach for formulating the present petition, the broad basis for projection used, summary of the proposals being made to the Hon'ble Commission.
- 1.2 In order to align the thoughts and principles behind the Tariff Order and the ARR, AEGCL respectfully seeks an opportunity to present their case prior to the finalization of the Tariff Order. AEGCL believes that such an approach would go a long way towards providing a fair treatment to all the stakeholders and may eliminate the need for a review or clarification.
- 1.3 AEGCL may also be permitted to propose suitable changes to the ARR and the mechanism of meeting the revenue on further analysis, prior to the final approval by the Hon'ble Commission.
- 1.4 In view of the above, the petitioner respectfully prays that Hon'ble Commission may:
  - 1.4.1 Accept the Annual Revenue Requirements and Tariff proposal for Transmission Business respectively in accordance with:
    - 1.4.1.1 The guidelines outlined in AERC Orders passed in various matters relating to AEGCL; and
    - 1.4.1.2 The principles contained in AERC (Terms and Conditions for determination of Multi Year Tariff) Regulations 2015;
    - 1.4.1.3 Condone any inadvertent omissions/ errors/ rounding off differences/ shortcomings and permit AEGCL to add/ change/ modify/ alter this filing and make further submissions as may be required at a future date.
    - 1.4.1.4 Pass such further and other orders, as the Hon'ble Commission may deem fit and proper, keeping in view the facts and circumstances of the case.

# **REGULATORY FORMATS**



**ASSAM ELECTRICITY GRID CORPORATION  
LTD.**

**MYT  
ARR FORMS FOR FY 2016-17 TO FY 2018-19**

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## ASSAM ELECTRICITY GRID CORPORATION LIMITED

## PROFIT &amp; LOSS ACCOUNT

( ₹ Crore)

PARTICULARS	2016-17	2017-18	2018-19
	Projected	Projected	Projected
ENERGY INJECTED (MU)	9390.00	11395.00	13531.00
ENERGY SEND OUT (MU)	9057.00	10998.00	13066.00
Tr LOSS (%)	3.54	3.49	3.44
<b>INCOME</b>			
REVENUE FROM TRANSMISSION SERVICE	1047.12	1585.27	1588.40
REV SUBSIDIES & GRANTS	-	-	-
OTHER INCOME	75.24	73.04	71.20
<b>TOTAL</b>	<b>1122.36</b>	<b>1658.31</b>	<b>1659.60</b>
<b>EXPENDITURE</b>			
TRANSMISSION CHARGES TO PGCIL	564.57	666.24	846.12
REPAIRS & MAINTENANCE	11.52	12.10	12.70
EMPLOYEE COSTS	175.13	192.64	215.76
ADM & GENERAL EXPENSES	8.85	10.23	10.78
DEPRECIATION AND RELATED DTS	88.36	106.77	142.99
INTEREST & FINANCE CHARGES	54.55	58.98	61.95
<b>SUB-TOTAL</b>	<b>902.98</b>	<b>1046.96</b>	<b>1290.30</b>
LESS: EXPENSES CAPITALISED:			
-INTEREST & FINANCE CHARGES CAPITALISED	15.78	18.21	18.36
-OTHER EXPENSES CAPITALISED	-	-	-
<b>SUB-TOTAL</b>	<b>15.78</b>	<b>18.21</b>	<b>18.36</b>
OTHER DEBITS	0.19	0.19	0.19
BULK SUPPLY TARIFF	181.14	219.96	261.32
<b>TOTAL EXPENDITURE</b>	<b>1068.53</b>	<b>1248.90</b>	<b>1533.45</b>
PROFIT (LOSS) BEFORE TAX	53.84	409.40	126.15
PROVISION FOR INCOME TAX	-	-	-
PROFIT (LOSS) AFTER TAX	53.84	409.40	126.15
NET PRIOR PERIOD CREDITS	-	-	-
PROFIT/(LOSS) AVAILABLE FOR APPROPRIATION	53.84	409.40	126.15
LOSS BROUGHT FORWARD FROM PREVIOUS YEAR	(442.20)	(388.36)	21.04
<b>SURPLUS/DEFICIT(-)</b>	<b>(388.36)</b>	<b>21.04</b>	<b>147.19</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

## BALANCE SHEET AS AT THE END OF THE YEAR

( ₹ Crore)

PARTICULARS	2016-17	2017-18	2018-19
	Projected	Projected	Projected
<b>SOURCES OF FUNDS:</b>			
<b>SHAREHOLDER'S FUNDS:</b>			
SHARE CAPITAL	148.20	222.22	549.16
RESERVES & SURPLUS	85.75	99.34	112.58
<b>TOTAL</b>	<b>233.95</b>	<b>321.56</b>	<b>661.74</b>
<b>LOAN FUNDS:</b>			
LOANS FROM STATE GOVT	372.87	380.74	381.42
LOANS FROM OTHERS- SECURED	-	-	-
LOANS FROM OTHERS- UNSECURED	213.38	214.11	261.97
<b>TOTAL</b>	<b>586.25</b>	<b>594.85</b>	<b>643.39</b>
CONTRIBUTIONS, GRANTS & SUBSIDIES TOWARDS COST OF CAPITAL ASSETS			
GRANT FROM GoA	637.12	637.86	643.99
GRANT FROM ADB	920.30	954.77	1523.83
GRANT FROM GoI	252.97	440.87	564.90
<b>TOTAL</b>	<b>1810.39</b>	<b>2033.50</b>	<b>2732.72</b>
<b>NON CURRENT LIABILITIES:</b>			
NON CURRENT LIABILITIES	1668.65	2597.49	2196.77
<b>TOTAL</b>	<b>1668.65</b>	<b>2597.49</b>	<b>2196.77</b>
<b>GRAND TOTAL</b>	<b>4299.24</b>	<b>5547.40</b>	<b>6234.62</b>
<b>APPLICATION OF FUNDS:</b>			
<b>NET FIXED ASSETS:</b>			
a) GROSS BLOCK	1933.06	2240.56	3317.18
b) LESS: ACCUMULATED DEPRECIATION	1039.01	1145.78	1288.77
c) NET FIXED ASSETS	894.05	1094.78	2028.41
d) CAPITAL WORK IN PROGRESS	2321.62	3416.45	3434.81
e) ASSETS NOT IN USE	-	-	-
f) DEFERRED COSTS	-	-	-
g) INTANGIBLE ASSETS	-	-	-
<b>TOTAL OF ( c ) TO ( g )</b>	<b>3215.67</b>	<b>4511.23</b>	<b>5463.22</b>
INVESTMENTS	53.48	53.48	53.48
SUBSIDY RECEIVABLE FROM GOVT.	-	-	-
<b>NET CURRENT ASSETS:</b>			
<b>A. CURRENT ASSETS, LOANS &amp; ADVANCES</b>			
a) INVENTORIES	24.80	31.57	38.33
b) RECEIVABLES AGAINST TRANSMISSION SERVICE	1047.12	1585.27	1588.40
c) CASH & BANK BALANCES	226.14	199.84	179.85
d) LOANS & ADVANCES	28.65	29.51	30.37
e) SUNDRY RECEIVABLES	271.26	287.70	304.29
<b>TOTAL OF A</b>	<b>1597.97</b>	<b>2133.89</b>	<b>2141.24</b>
<b>B. CURRENT LIABILITIES AND PROVISIONS:</b>			
a) SECURITY DEPOSIT FROM CONSUMERS	-	-	-
b) BORROWINGS FOR WORKING CAPITAL	-	-	-
c) OTHER CURRENT LIABILITIES	956.24	1130.16	1276.13
<b>TOTAL OF B</b>	<b>956.24</b>	<b>1130.16</b>	<b>1276.13</b>
<b>NET CURRENT ASSETS ( A - B )</b>	<b>641.73</b>	<b>1003.73</b>	<b>865.11</b>
MISCELLANEOUS EXPENDITURE	-	-	-
PROFIT AND LOSS ACCOUNT	(388.36)	21.04	147.19
<b>GRAND TOTAL</b>	<b>4299.24</b>	<b>5547.40</b>	<b>6234.62</b>

**ASSAM ELECTRICITY GRID CORPORATION LIMITED**  
**CASH FLOW STATEMENT FOR THE YEAR**

( ₹ Crore)

SL NO	PARTICULARS	2016-17	2017-18	2018-19
		Projected	Projected	Projected
	<b>CASH FLOW STATEMENT FOR THE YEAR</b>			
<b>I</b>	<b>Net Funds from Operations:</b>			
1	Net Funds from Earnings:			
	<b>A. Profit before Tax and before Revenue</b>	53.84	409.40	126.15
	Subsidies & Grants			
	Less: Income Tax payment during the year	-	-	-
	<b>Total of A</b>	<b>53.84</b>	<b>409.40</b>	<b>126.15</b>
	<b>B. ADD: Debits to Revenue Account not requiring Cash Outflow:</b>			
	(i) Depreciation	88.36	106.77	142.99
	(ii) Amortization of Deferred Cost	-	-	-
	(iii) Others, if any.	0.03	-	-
	<b>Total of B</b>	<b>88.39</b>	<b>106.77</b>	<b>142.99</b>
	<b>Net Funds from Earnings (A+B)</b>	<b>142.23</b>	<b>516.17</b>	<b>269.14</b>
2	Contributions, Grants and Subsidies towards Cost of Capital Assets	260.00	223.11	699.22
3	Security Deposit from consumers	-	-	-
4	Proceeds from disposal of Fixed Assets	-	-	-
5	Total Funds from Operations (1+2+3+4)	402.23	739.28	968.36
6	Net Increase/(Decrease) in Working Capital:			
	<b>A. Increase/(Decrease) in Current Assets:</b>			
	a) Inventories	6.76	6.77	6.76
	b) Receivables against Transmission Service	329.28	538.15	3.13
	c) Loans and Advances	0.86	0.86	0.86
	d) Sundry Receivables	15.67	16.44	16.58
	<b>Total of A</b>	<b>352.57</b>	<b>562.22</b>	<b>27.33</b>
	<b>B. Increase/(Decrease) in Current Liabilities:</b>			
	a) Borrowings for working capital	(10.00)	-	-
	b) Other Current liabilities - Power purchase	-	-	-
	- Others	96.52	173.92	145.97
	<b>Total of B</b>	<b>86.52</b>	<b>173.92</b>	<b>145.97</b>
	<b>Net Increase/(Decrease) in Working Capital (A - B)</b>	<b>266.05</b>	<b>388.30</b>	<b>(118.64)</b>
7	Increase/(Decrease) in Non Current Liabilities	1477.15	928.84	(400.72)
8	Net Funds from Operations before Subsidies & Grants (5-6+7)	1613.33	1279.82	686.28
9	Receipts from Revenue Subsidies and Grants	-	-	-
<b>Tot I</b>	<b>Net Funds from Operations including Subsidies &amp; Grants (8+9)</b>	<b>1613.33</b>	<b>1279.82</b>	<b>686.28</b>
<b>II</b>	<b>Net Increase/(Decrease) in Capital Liabilities:</b>			
	<b>A. Fresh Borrowings:</b>			
	(a) State Loans	18.50	7.87	0.68
	(b) Foreign currency Loans/Credits	-	-	-
	(c) Other Borrowings	60.10	0.73	47.86
	<b>Total of A</b>	<b>78.60</b>	<b>8.60</b>	<b>48.54</b>
	<b>B. Repayments:</b>			
	(a) State Loans	-	-	-
	(b) Foreign currency Loans/Credits	-	-	-
	(c) Other Borrowings	-	-	-
	<b>Total of B</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Net Increase/(Decrease) in Capital Liabilities (A - B)</b>	<b>78.60</b>	<b>8.60</b>	<b>48.54</b>
<b>III</b>	<b>Increase/(Decrease) in Equity Capital</b>	<b>48.27</b>	<b>74.02</b>	<b>326.94</b>
	Increase/(Decrease) in Reserves & Surplus	13.79	13.59	13.24
<b>IV</b>	<b>Total Funds available for Capital Expenditure (I+II+III)</b>	<b>1753.99</b>	<b>1376.03</b>	<b>1075.00</b>
<b>V</b>	<b>Net Increase/(Decrease) in Investments</b>	<b>1788.37</b>	<b>1402.33</b>	<b>1094.98</b>
<b>VI</b>	<b>Net Increase/(Decrease) in Cash &amp; Bank Balance (IV - V)</b>	<b>(34.38)</b>	<b>(26.30)</b>	<b>(19.98)</b>
<b>VII</b>	<b>Add: Opening Cash &amp; Bank balances</b>	<b>260.52</b>	<b>226.14</b>	<b>199.84</b>
<b>VIII</b>	<b>Closing Cash &amp; Bank Balances (VI+VII)</b>	<b>226.14</b>	<b>199.84</b>	<b>179.85</b>

## Assam Electricity Grid Corporation Limited

Form – F1

## Aggregate Revenue Requirement - Summary

SI No.	Particulars	Form	2016-17	2017-18	2018-19
			Projected		
1	Energy Available (MU)		9390.00	11395.00	13531.00
2	Energy Transmitted (MU)		9057.00	10998.00	13066.00
3	Transmission Loss %		3.54	3.49	3.44
<b>A</b>	<b>Capacity Charges (Annual Fixed Charges)</b>				
1	PGCIL Charges	F29	564.57	666.24	846.12
2	O&M expenses		195.50	214.97	239.24
a	R&M Expense	F18	11.52	12.10	12.70
b	Employee Expenses	F19	175.13	192.64	215.76
c	A&G Expense	F20	8.85	10.23	10.78
3	BST for Pension Trust Fund		181.14	219.96	261.32
4	Depreciation	F21	88.36	106.77	142.99
5	Interest on Loans	F22	54.55	58.98	61.95
6	Interest on Working Capital	F25	28.18	40.24	41.03
7	Income Tax	F28	-	-	-
8	Net Prior Period Expenses		-	-	-
9	Other Debits		0.19	0.19	0.19
10	Return on Equity	F23	22.97	34.44	85.12
11	Less: Non Tariff Income	F26	75.24	73.04	71.20
12	Less: Expenses Capitalised	F24	15.78	18.21	18.36
13	Add : Interest Expenses on State Government loan approved by the Hon'ble Commission in the Tariff Order dated 09.04.2015 on the Review Petition filed by AEGCL on the Tariff Order dated 21.11.2014 for FY 2014-15.		2.69	-	-
14	Add : Revenue Gap for FY 2014-15 (₹ 86.30 Crore) and Revenue Gap for FY 2015-16 (₹ 248.42 Crore)		-	334.72	-
	<b>Total</b>		<b>1047.12</b>	<b>1585.27</b>	<b>1588.40</b>
	Per Unit Charges for PGCIL (Rs.)		0.64	0.84	0.67
	Per Unit Charges of AEGCL excluding PGCIL Charges (Rs.)		0.52	0.60	0.55
	<b>Total Per Unit Charges (Rs.)</b>		<b>1.16</b>	<b>1.44</b>	<b>1.22</b>

Note : The above ARR Includes SLDC Charges.

**Break Up of SLDC Charges****( ₹ Crore)**

SI No.	Particulars	2016-17	2017-18	2018-19
		Projected		
1	Employee Cost	2.11	2.33	2.60
2	Repair & Maintenance	0.02	0.02	0.02
3	Administrative & General Expenses	0.24	0.25	0.26
	<b>Total</b>	<b>2.37</b>	<b>2.60</b>	<b>2.88</b>

**Transmission Losses**

Form-F2a

	<b>Particulars</b>	<b>Unit</b>	<b>FY 2016-17</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>
			Projected		
1	Total Energy Delivered by Generating Stations in the state and inter-state tie-lines to the Transmission system of the licensee	MU	9390.00	11395.00	13531.00
2	Energy Delivered by Grid S/Ss to Distribution Licensees	MU	9057.00	10998.00	13066.00
3	Transmission Loss in system (1-2)	MU	333.00	397.00	465.00
4	Transmission loss in system (%) [(1-2)/1]	%	3.54	3.49	3.44

**Transmission Availability**

Form-F2b

	<b>Particulars</b>	<b>Unit</b>	<b>FY 2016-17</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>
			Projected		
1	Transmission Availability Factor	%	99.45	99.50	99.50

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F29

## PGCIL Charges

( ₹ Crore)

		2016-17	2017-18	2018-19
		Projected		
1	April	39.65	55.52	70.51
2	May	38.23	55.52	70.51
3	June	76.02	55.52	70.51
4	July	39.67	55.52	70.51
5	August	45.78	55.52	70.51
6	September	42.92	55.52	70.51
7	October	47.05	55.52	70.51
8	November	47.05	55.52	70.51
9	December	47.05	55.52	70.51
10	January	47.05	55.52	70.51
11	February	47.05	55.52	70.51
12	March	47.05	55.52	70.51
	<b>Total</b>	<b>564.57</b>	<b>666.24</b>	<b>846.12</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F18

## Repair &amp; Maintenance Expenses

( ₹ Crore)

Sl. No.	Particulars	2016-17	2017-18	2018-19
		<b>Projected</b>		
1	Plant & Machinery	7.09	7.44	7.82
2	Buildings	1.35	1.42	1.49
3	Civil works	0.83	0.87	0.92
4	Hydraulic Works	-	-	-
5	Lines, Cable Networks etc.	1.46	1.53	1.61
6	Vehicles	0.19	0.20	0.21
7	Furniture & Fixtures	0.05	0.05	0.06
8	Office Equipment	0.55	0.58	0.61
	<b>Total</b>	<b>11.52</b>	<b>12.10</b>	<b>12.70</b>
9	Any other items (Capitalisation)	-	-	-
	<b>Total</b>	<b>11.52</b>	<b>12.10</b>	<b>12.70</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F19

## Employee Expenses

( ₹ Crore)

Sl. No.	Particulars	FY 2016-17	FY 2017-18	FY 2018-19
		<b>Projected</b>		
1	Salaries	65.91	72.50	81.20
2	Additional Pay	-	-	-
3	Dearness Allowance (DA)	65.93	72.52	81.23
4	Other Allowances & Relief	9.24	10.16	11.38
5	Addl. Pay & C.Off Encashment	-	-	-
6	Interim Relief / Wage Revision	-	-	-
7	Honorarium/Overtime	0.71	0.78	0.87
8	Bonus/ Exgratia To Employees	0.20	0.22	0.25
9	Medical Expenses Reimbursement	0.33	0.36	0.41
10	Travelling Allowance(Conveyance Allowance)	-	-	-
11	Leave Travel Assistance	0.25	0.28	0.31
12	Earned Leave Encashment	7.75	8.53	9.55
13	Payment Under Workman's Compensation And Gratuity	1.56	1.72	1.92
14	Subsidised Electricity To Employees	-	-	-
15	Any Other Item	-	-	-
16	Staff Welfare Expenses	0.02	0.02	0.02
17	Apprentice And Other Training Expenses	-	-	-
18	Contribution To Terminal Benefits	23.23	25.55	28.62
19	Provident Fund Contribution	-	-	-
20	Provision for PF Fund	-	-	-
21	Any Other Items	-	-	-
	<b>Total Employee Costs</b>	<b>175.13</b>	<b>192.64</b>	<b>215.76</b>
22	Less: Employee expenses capitalised	-	-	-
	<b>Net Employee expenses</b>	<b>175.13</b>	<b>192.64</b>	<b>215.76</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-19a

## Employee Strength

	Particulars	2016-17		2017-18		2018-19	
		Working Strength At The Beginning Of The Year	Sanctioned Strength At The Beginning Of The Year	Working Strength At The Beginning Of The Year	Sanctioned Strength At The Beginning Of The Year	Working Strength At The Beginning Of The Year	Sanctioned Strength At The Beginning Of The Year
1	Board of Directors		9		9		9
2	Support staff to Board of Directors						
2(a)	Technical	280	335	258	335	233	335
2(b)	Administrative	3	3	2	3	2	3
2(c)	Accounts & Finance	5	17	3	17	3	17
2(d)	Others (please specify)	-	-	-	-	-	-
3	All Other Staff						
3(a)	Technical						
3(a)(i)	Officers	309	353	301	353	289	353
3(a)(ii)	Staff	745	1308	690	1308	645	1308
3(b)	Non-technical						
3(b)(i)	Administrative Officer	1	1	1	1	1	1
3(b)(i)(a)	Staff	-	-	-	-	-	-
3(b)(i)(b)	Staff	557	1153	510	1153	454	1153
3(b)(ii)	Accounts & Finance Officer						
3(b)(ii)(a)	Staff	78	92	76	92	76	92
3(b)(ii)(b)	Staff	-	-	-	-	-	-
3(b)(iii)	Others (please specify)						
3(b)(iii)(a)	Officers	-	-	-	-	-	-
3(b)(iii)(b)	Staff	-	-	-	-	-	-
	<b>Total</b>	<b>1978</b>	<b>3262</b>	<b>1841</b>	<b>3262</b>	<b>1703</b>	<b>3262</b>

**ASSAM ELECTRICITY GRID CORPORATION LIMITED**  
**Form-F20**

**Administration & General Expenses**

( ₹ Crore)

Sl. No.	Particulars	FY 2016-17	FY 2017-18	FY 2018-19
		<b>Projected</b>		
1	Lease/ Rent/Rates and taxes	0.20	0.21	0.22
2	Insurance	0.07	0.07	0.08
3	Revenue Stamp Expenses Account	-	-	-
4	Telephone, Postage, Telegram & Telex Charges	0.30	0.32	0.33
5	Incentive & Award To Employees/Outsiders	-	-	-
6	Consultancy Charges	-	-	-
7	Technical Fees	-	-	-
8	Other Professional Charges	0.12	0.13	0.13
9	Conveyance And Travelling	0.59	0.62	0.65
10	License and Registration Fees	0.01	0.01	0.01
11	Vehicle Expenses	0.34	0.36	0.37
12	Security / Service Charges Paid To Outside Agencies	0.25	1.20	1.30
13	Fee And Subscriptions Books And Periodicals	4.10	4.31	4.52
14	Printing And Stationery	0.26	0.27	0.29
15	Advertisement Expenses	0.45	0.47	0.50
16	Contributions/Donations To Outside Institutes / Associations	0.03	0.03	0.03
17	Electricity Charges To Offices	0.53	0.56	0.58
18	Water Charges	-	-	-
19	Entertainment Charges	0.04	0.04	0.04
20	Miscellaneous Expenses	0.14	0.15	0.15
21	Legal Charges	0.09	0.09	0.10
22	Auditor's Fee	0.04	0.04	0.04
23	Freight On Capital Equipments	-	-	-
24	Purchase Related Advertisement Expenses	-	-	-
25	Vehicle Running Expenses Truck / Delivery Van	0.05	0.05	0.06
26	Vehicle Hiring Expenses Truck / Delivery Van	1.24	1.30	1.37
27	Other Freight	-	-	-
	<b>Total A&amp;G Expenses</b>	<b>8.85</b>	<b>10.23</b>	<b>10.78</b>
	Less: A&G Expenses Capitalised	-	-	-
	<b>Total A&amp;G Expenses</b>	<b>8.85</b>	<b>10.23</b>	<b>10.78</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

**Bulk Supply Tariff (BST)**

( ₹ Crore)

Sl. No.	Particulars	FY 2016-17	FY 2017-18	FY 2018-19
		Projected		
1	Special Charges on Bulk Supply Tariff	181.14	219.96	261.32
	<b>Total</b>	<b>181.14</b>	<b>219.96</b>	<b>261.32</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F21

## Fixed Assets and Depreciation

( ₹ Crore)

	Name of Asset	Depreciation rate	2016-17				
			Projected				
			Opening	Addition	Adjustment & Deduction	Depreciation	Closing
1	Land owned under full ownership	0.00%	28.83	-	-	-	28.83
2	Land under lease		-	-	-	-	-
	For investment in land	3.34%	0.30	-	-	0.01	0.30
	For cost of clearing site	3.34%	-	-	-	-	-
3	Building	3.34%, 100.00%	27.48	-	-	0.97	27.48
4	Hydraulic	5.28%	2.64	-	-	-	2.64
5	Other Civil Works	3.34%	57.35	-	-	1.91	57.35
6	Plant & Machinery	5.28%	706.90	288.58	-	44.84	995.48
7	Lines & Cable Network	5.28%	710.84	99.89	-	40.13	810.73
8	Vehicles	9.50%	4.40	-	-	-	4.40
9	Furniture & Fixtures	6.33%	3.59	-	-	0.23	3.59
10	Office Equipment	6.33%, 15.00%	2.26	-	-	0.27	2.26
	<b>Total</b>		<b>1544.59</b>	<b>388.47</b>	-	<b>88.36</b>	<b>1933.06</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F21

## Fixed Assets and Depreciation

( ₹ Crore)

	Name of Asset	Depreciation rate	2017-18				
			Projected				
			Opening	Addition	Adjustment & Deduction	Depreciation	Closing
1	Land owned under full ownership	0.00%	28.83	-	-	-	28.83
2	Land under lease		-	-	-	-	-
	For investment in land	3.34%	0.30	-	-	0.01	0.30
	For cost of clearing site	3.34%	-	-	-	-	-
3	Building	3.34%, 100.00%	27.48	-	-	0.97	27.48
4	Hydraulic	5.28%	2.64	-	-	-	2.64
5	Other Civil Works	3.34%	57.35	-	-	1.91	57.35
6	Plant & Machinery	5.28%	995.48	247.20	-	59.00	1242.68
7	Lines & Cable Network	5.28%	810.73	60.30	-	44.38	871.03
8	Vehicles	9.50%	4.40	-	-	-	4.40
9	Furniture & Fixtures	6.33%	3.59	-	-	0.23	3.59
10	Office Equipment	6.33%, 15.00%	2.26	-	-	0.27	2.26
	<b>Total</b>		<b>1933.06</b>	<b>307.50</b>	-	<b>106.77</b>	<b>2240.56</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F21

## Fixed Assets and Depreciation

( ₹ Crore)

	Name of Asset	Depreciation rate	2018-19				
			Projected				
			Opening	Addition	Adjustment & Deduction	Depreciation	Closing
1	Land owned under full ownership	0.00%	28.83	-	-	-	28.83
2	Land under lease		-	-	-	-	-
	For investment in land	3.34%	0.30	-	-	0.01	0.30
	For cost of clearing site	3.34%	-	-	-	-	-
3	Building	3.34%, 100.00%	27.48	-	-	0.97	27.48
4	Hydraulic	5.28%	2.64	-	-	-	2.64
5	Other Civil Works	3.34%	57.35	-	-	1.91	57.35
6	Plant & Machinery	5.28%	1242.68	647.84	-	82.48	1890.52
7	Lines & Cable Network	5.28%	871.03	428.78	-	57.16	1299.81
8	Vehicles	9.50%	4.40	-	-	-	4.40
9	Furniture & Fixtures	6.33%	3.59	-	-	0.23	3.59
10	Office Equipment	6.33%, 15.00%	2.26	-	-	0.23	2.26
	<b>Total</b>		<b>2240.56</b>	<b>1076.62</b>	-	<b>142.99</b>	<b>3317.18</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F22

## Interest and Finance Charges

( ₹ Crore)

	Loan Details	Loan Tenure (yrs)	2016-17					
			Projected					
			Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A</b>	<b>Interest charges on State Govt. Loans, Bonds And Advances</b>							
1	State Government Loans		10.00%, 10.50%	354.37	18.50	-	36.77	372.87
2	ADB Loan		10.50%	89.39	-	-	9.39	89.39
3	Central Government Loans		10.00%	-	61.70	-	3.04	61.70
4	General Provident Fund		8.7%	63.89	14.48	16.08	5.24	62.29
	<b>Sub-total</b>			<b>507.65</b>	<b>94.68</b>	<b>16.08</b>	<b>54.44</b>	<b>586.25</b>
	<b>Interest on Long Term Loans/Credits from the FIs/banks/organisations approved by the State Government</b>							
<b>A</b>	<b>Secured Loans</b>			-	-	-	-	-
<b>B</b>	<b>Unsecured Loans</b>			-	-	-	-	-
<b>C</b>	<b>Other Interest &amp; Finance Charges</b>							
	Cost of raising Finance/Bank Charges						0.11	
	Penal Interest Charges						-	
	<b>Sub-total</b>						<b>0.11</b>	
<b>D</b>	<b>Grand Total Of Interest &amp; Finance Charges (A+B+C)</b>			<b>507.65</b>	<b>94.68</b>	<b>16.08</b>	<b>54.55</b>	<b>586.25</b>
<b>E</b>	Less : Interest & Finance Charges Capitalised						15.78	
	<b>Net Total Of Interest &amp; Finance Charges (D-E)</b>			<b>507.65</b>	<b>94.68</b>	<b>16.08</b>	<b>38.77</b>	<b>586.25</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F22

## Interest and Finance Charges

( ₹ Crore)

	Loan Details	Loan Tenure (yrs)	2017-18					
			Projected					
			Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A</b>	<b>Interest charges on State Govt. Loans, Bonds And Advances</b>							
1	State Government Loans		10.00%, 10.50%	372.87	7.87	-	38.09	380.74
2	ADB Loan		10.50%	89.39	1.99	-	9.49	91.38
3	Central Government Loans		10.00%	61.70	0.48	-	6.19	62.18
4	General Provident Fund		8.7%	62.29	14.34	16.08	5.10	60.55
	<b>Sub-total</b>			<b>586.25</b>	<b>24.68</b>	<b>16.08</b>	<b>58.87</b>	<b>594.85</b>
	<b>Interest on Long Term Loans/Credits from the FIs/banks/organisations approved by the State Government</b>							
<b>A</b>	<b>Secured Loans</b>			-	-	-	-	-
<b>B</b>	<b>Unsecured Loans</b>			-	-	-	-	-
<b>C</b>	<b>Other Interest &amp; Finance Charges</b>							
	Cost of raising Finance/Bank Charges						0.11	
	Penal Interest Charges							
	<b>Sub-total</b>						<b>0.11</b>	
<b>D</b>	<b>Grand Total Of Interest &amp; Finance Charges (A+B+C)</b>			<b>586.25</b>	<b>24.68</b>	<b>16.08</b>	<b>58.98</b>	<b>594.85</b>
<b>E</b>	Less : Interest & Finance Charges Capitalised						18.21	
	<b>Net Total Of Interest &amp; Finance Charges (D-E)</b>			<b>586.25</b>	<b>24.68</b>	<b>16.08</b>	<b>40.77</b>	<b>594.85</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F22

## Interest and Finance Charges

( ₹ Crore)

	Loan Details	Loan Tenure (yrs)	2018-19					
			Projected					
			Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A</b>	<b>Interest charges on State Govt. Loans, Bonds And Advances</b>							
1	State Government Loans		10.00%, 10.50%	380.74	0.68	-	38.53	381.42
2	ADB Loan		10.50%	91.38	37.93	-	11.56	129.31
3	Central Government Loans		10.00%	62.18	11.82	-	6.80	74.00
4	General Provident Fund		8.7%	60.55	14.19	16.08	4.95	58.66
	<b>Sub-total</b>			<b>594.85</b>	<b>64.62</b>	<b>16.08</b>	<b>61.84</b>	<b>643.39</b>
	<b>Interest on Long Term Loans/Credits from the FIs/banks/organisations approved by the State Government</b>							
<b>A</b>	<b>Secured Loans</b>			-	-	-	-	-
<b>B</b>	<b>Unsecured Loans</b>			-	-	-	-	-
<b>C</b>	<b>Other Interest &amp; Finance Charges</b>							
	Cost of raising Finance/Bank Charges						0.11	
	Penal Interest Charges							
	<b>Sub-total</b>						<b>0.11</b>	
<b>D</b>	<b>Grand Total Of Interest &amp; Finance Charges (A+B+C)</b>			<b>594.85</b>	<b>64.62</b>	<b>16.08</b>	<b>61.95</b>	<b>643.39</b>
<b>E</b>	Less : Interest & Finance Charges Capitalised						18.36	
	<b>Net Total Of Interest &amp; Finance Charges (D-E)</b>			<b>594.85</b>	<b>64.62</b>	<b>16.08</b>	<b>43.59</b>	<b>643.39</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F25

**Working Capital Requirements****( ₹ Crore)**

	Loan Details	Unit	2016-17	2017-18	2018-19
			Projected		
1	O&M expenses for 1 month	₹Crore	16.29	17.91	19.94
2	Maintenance spares @ 15% of O&M	₹Crore	29.32	32.25	35.89
3	Receivables for two months	₹Crore	174.52	264.21	264.73
	<b>Total Working Capital</b>	₹Crore	<b>220.14</b>	<b>314.37</b>	<b>320.56</b>
	Rate of Interest	%	12.80%	12.80%	12.80%
	<b>Interest on Working Capital</b>	₹Crore	<b>28.18</b>	<b>40.24</b>	<b>41.03</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F28

**Income Tax Provision**

( ₹ Crore)

<b>Sl. No.</b>	<b>Particulars</b>	<b>FY 2016-17</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>
1	Income Tax payable	-	-	-
	<b>Total Income Tax payable</b>	-	-	-

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

## Other Debits

( ₹ Crore)

Sl. No.	Particulars	FY 2016-17	FY 2017-18	FY 2018-19
1	Miscellaneous losses written off	0.19	0.19	0.19
	<b>Total</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F23

**Statement of Equity****( ₹ Crore)**

	Loan Details	Unit	2016-17	2017-18	2018-19
			Projected		
1	Equity (Opening Balance)	₹Crore	99.93	148.20	222.22
2	Net additions during the year	₹Crore	48.27	74.02	326.94
3	Equity (Closing Balance)	₹Crore	148.20	222.22	549.16
4	Average Equity	₹Crore	124.07	185.21	385.69
5	Rate of Return on Equity	%	15.50%	15.50%	15.50%
6	<b>Return on Equity</b>	₹Crore	<b>22.97</b>	<b>34.44</b>	<b>85.12</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F26

**Non-tariff Income****( ₹ Crore)**

No	Particulars	Unit	2016-17	2017-18	2018-19
			Projected		
<b>A</b>	<b>Income from Investment, Fixed &amp; Call Deposits</b>				
	Income from Investments	₹Crore	0.51	0.51	0.51
	Interest on fixed deposits	₹Crore	14.38	11.91	10.07
	Income on other investments (Dividend)	₹Crore	10.00	10.00	10.00
	Interest from Banks	₹Crore	0.62	0.62	0.62
	<b>Sub-Total</b>	₹Crore	<b>25.51</b>	<b>23.04</b>	<b>21.20</b>
<b>B</b>	<b>Other Non-Tariff Income</b>	₹Crore			
	Miscellaneous Receipts	₹Crore	49.39	49.66	49.66
	Penalty for contractor/supplier for delay, etc.	₹Crore	0.18	0.18	0.18
	Misc. Charges	₹Crore	0.16	0.16	0.16
	<b>Sub-Total</b>	₹Crore	<b>49.73</b>	<b>50.00</b>	<b>50.00</b>
	<b>Total</b>	₹Crore	<b>75.24</b>	<b>73.04</b>	<b>71.20</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F24

**Details of Expenses Capitalised****( ₹ Crore)**

		2016-17	2017-18	2018-19
		Projected		
1	Interest & Finance charges Capitalised	15.78	18.21	18.36
	<b>Total</b>	<b>15.78</b>	<b>18.21</b>	<b>18.36</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form-F21a

**Consumer contributions and grants towards cost of capital assets****( ₹ Crore)**

		2016-17		2017-18		2018-19	
		Projection		Projection		Projection	
		Additions during the Year	Balance at the end of the Year	Additions during the Year	Balance at the end of the Year	Additions during the Year	Balance at the end of the Year
1	Consumer Contribution Towards Cost Of Capital Assets	-	-	-	-	-	-
2	Grant Towards Cost Of Capital Assets / Promoter's Contribution*	260.00	1,810.39	223.11	2,033.50	699.22	2,732.72
	<b>Total</b>	<b>260.00</b>	<b>1810.39</b>	<b>223.11</b>	<b>2033.50</b>	<b>699.22</b>	<b>2732.72</b>

Note: The aforesaid grants should be treated as promoter's contributions vide GoA Power (Elect.) Department Order No. PEL.133/2003/pt/463 dated 03.03.2009.

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Form F17

## Statement of Works in Progress

( ₹ Crore)

Description	2016-17	2017-18	2018-19
<b>Opening balance</b>	<b>921.72</b>	<b>2321.62</b>	<b>3416.45</b>
Add:			
i) Capital expenditure	1384.12	1076.62	-
ii) Interest & Finance charges capitalised	15.78	18.21	18.36
iii) Other expenses capitalised	-	-	-
<b>Total capital expenditure for the year (i+ii+iii)</b>	<b>1399.90</b>	<b>1094.83</b>	<b>18.36</b>
<b>Closing Balance</b>	<b>2321.62</b>	<b>3416.45</b>	<b>3434.81</b>

Note: Sl. No. 23 to 28, Transmission Form Nos. F4, F4a, F9, F9a, F12a and F12b in Index Table are attached vide Annexure – B.



**Annexure - A**

**Table 4 : Funding of CAPEX**

Sr. No.	Type of Works	New/ On-going	Name of Works	Total Funds (Rs. Crore)			Equity (Rs. Crore)			Grant (Rs. Crore)			Loan (Rs. Crore)		
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19
1	Strengthening & Augmentation of Existing Network	New	Bornagar 220/132kV SS, 2x160 MVA SS	0.00	8.08	82.48	0.00	8.08	16.16	0.00	0.00	66.32	0.00	0.00	0.00
2	Strengthening & Augmentation of Existing Network	New	Makum: 2x100 MVA, 220/132kV; 2x40 MVA, 132/33kV SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Strengthening & Augmentation of Existing Network	New	Khumtai, 2x100 MVA, 220/132kV; 2x40 MVA, 132/33kV SS	0.00	8.99	89.73	0.00	8.99	17.97	0.00	0.00	71.76	0.00	0.00	0.00
4	Strengthening & Augmentation of Existing Network	New	Silapathar, 2x100 MVA, 132/33 kV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Strengthening & Augmentation of Existing Network	New	LILO of one circuit of BTPS – Rangia 220kV line with 2 nos. Pile at Bornagar	0.00	1.40	11.98	0.00	1.40	3.50	0.00	0.00	8.48	0.00	0.00	0.00
6	Strengthening & Augmentation of Existing Network	New	220kV Double Circuit LILO of NTPS 0.00 Tinsukia line at Makum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Strengthening & Augmentation of Existing Network	New	220kV Double circuit LILO of existing Samaguri – Mariani line at Khumtai	0.00	1.04	7.30	0.00	1.04	2.59	0.00	0.00	4.71	0.00	0.00	0.00
8	Strengthening & Augmentation of Existing Network	New	LILO of Jorhat (W) – Bokakhat 132kV S/C line Khumtai	0.00	0.39	3.32	0.00	0.39	1.36	0.00	0.00	1.96	0.00	0.00	0.00
9	Strengthening & Augmentation of Existing	New	Khumtai – Sarupathar 132kV D/C line	0.00	4.08	19.26	0.00	4.08	10.19	0.00	0.00	9.07	0.00	0.00	0.00

Sr. No.	Type of Works	New/ On-going	Name of Works	Total Funds (Rs. Crore)			Equity (Rs. Crore)			Grant (Rs. Crore)			Loan (Rs. Crore)		
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19
	Network														
10	Strengthening & Augmentation of Existing Network	New	Behaiting – Silapathar 220kV D/C linewith 7 KM Brahmaputra river crossing with 400kV Tower	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Strengthening & Augmentation of Existing Network	New	Sonapur 400kV SS, 2x315 MVA	0.00	11.32	123.10	0.00	11.32	22.64	0.00	0.00	90.42	0.00	0.00	10.05
12	Strengthening & Augmentation of Existing Network	New	Boragaon, 220/33kV SS, 2x100 MVA	0.00	7.36	55.64	0.00	1.97	14.89	0.00	4.85	36.68	0.00	0.54	4.07
13	Strengthening & Augmentation of Existing Network	New	LILO of Silchar 0.00Byrnihat 400kV line at Sonapur.	0.00	3.82	35.33	0.00	3.82	9.56	0.00	0.00	23.19	0.00	0.00	2.58
14	Strengthening & Augmentation of Existing Network	New	Kukurmara – Boragaon 220kV D/C line with 3.0 KM UG Cable	0.00	3.28	29.87	0.00	3.28	9.83	0.00	0.00	18.03	0.00	0.00	2.00
15	Strengthening & Augmentation of Existing Network	New	Dhemaji, from 1x12.5+1x16 MVA to 2x40 MVA	0.00	0.00	8.01	0.00	0.00	1.46	0.00	0.00	5.90	0.00	0.00	0.66
16	Strengthening & Augmentation of Existing Network	New	BTPS, 1x80+1x160 MVA to 2x160 MVA	0.00	9.00	0.45	0.00	1.80	0.09	0.00	6.48	0.32	0.00	0.72	0.04
17	Strengthening & Augmentation of Existing Network	New	Bornagar, 2x25 MVA to 2x40 MVA	0.00	0.00	8.01	0.00	0.00	1.46	0.00	0.00	5.90	0.00	0.00	0.66
18	Strengthening & Augmentation of Existing Network	New	Rangia, 2x25 MVA to 2x50 MVA	0.00	0.00	9.21	0.00	0.00	1.67	0.00	0.00	6.78	0.00	0.00	0.76
19	Strengthening & Augmentation	New	Sishugram, 2x30 +1x40 MVA to 2x50 +1x.40	0.00	0.00	9.21	0.00	0.00	1.67	0.00	0.00	6.78	0.00	0.00	0.76

Sr. No.	Type of Works	New/ On-going	Name of Works	Total Funds (Rs. Crore)			Equity (Rs. Crore)			Grant (Rs. Crore)			Loan (Rs. Crore)		
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19
	of Existing Network		MVA												
20	Strengthening & Augmentation of Existing Network	New	Narengi, 2x25 MVA to 2x50 MVA	0.00	0.00	9.21	0.00	0.00	1.67	0.00	0.00	6.78	0.00	0.00	0.76
21	Strengthening & Augmentation of Existing Network	New	Sipajhar, 2x16 MVA to 2x40 MVA	0.00	0.00	8.01	0.00	0.00	1.46	0.00	0.00	5.90	0.00	0.00	0.66
22	Strengthening & Augmentation of Existing Network	New	Biswanath Chariali, 2x16 to 2x40 MVA	0.00	6.79	0.88	0.00	0.93	0.23	0.00	5.86	0.65	0.00	0.00	0.00
23	Strengthening & Augmentation of Existing Network	New	Golaghat, 2x25 MVA to 2x50 MVA	0.00	0.00	9.03	0.00	0.00	1.64	0.00	0.00	6.65	0.00	0.00	0.74
24	Strengthening & Augmentation of Existing Network	New	Agia, 1x50+1x100 MVA, 220/132kV to 1x160+1x100 MVA; 1x12.5+1x40 MVA to 2x40 MVA	0.00	0.00	13.02	0.00	0.00	2.37	0.00	0.00	9.59	0.00	0.00	1.06
25	Strengthening & Augmentation of Existing Network	New	Kahilipara, 2x40+2x30+1x31.5 MVA to 5x40 MVA	0.00	0.00	12.06	0.00	0.00	2.19	0.00	0.00	8.88	0.00	0.00	0.99
26	Strengthening & Augmentation of Existing Network	New	Jogighopa (APM), 2x12.5 MVA to 2x25 MVA	0.00	0.00	1.67	0.00	0.00	0.33	0.00	0.00	1.20	0.00	0.00	0.13
27	Strengthening & Augmentation of Existing Network	New	Pailapool, 3x10+1x16 MVA to 2x25+1x16 MVA	0.00	0.78	0.76	0.00	0.16	0.15	0.00	0.56	0.55	0.00	0.06	0.06
28	Strengthening & Augmentation of Existing Network	New	Srikona, 2x25 MVA to 2x40 MVA	4.25	0.25	4.50	0.85	0.05	0.90	3.06	0.18	3.24	0.34	0.02	0.36
29	Strengthening	New	Namrup, 2x50 MVA,	0.00	0.00	14.39	0.00	0.00	2.61	0.00	0.00	10.60	0.00	0.00	1.18

Sr. No.	Type of Works	New/ Ongoing	Name of Works	Total Funds (Rs. Crore)			Equity (Rs. Crore)			Grant (Rs. Crore)			Loan (Rs. Crore)		
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19
	& Augmentation of Existing Network		220/132kV to 2x100 MVA												
30	Strengthening & Augmentation of Existing Network	New	Sarusajai, 3x100 MVA, 220/132kV to 2x160 MVA	12.50	1.69	0.00	2.50	0.34	0.00	10.00	1.35	0.00	0.00	0.00	0.00
31	Strengthening & Augmentation of Existing Network	New	Bokajan, 2x16 MVA, 132/33kV to 2x25 MVA	0.00	0.00	1.59	0.00	0.00	0.33	0.00	0.00	1.14	0.00	0.00	0.13
32	Strengthening & Augmentation of Existing Network	New	Shankardebnagar, 2x25 MVA to 1x40 MVA+2x25 MVA	0.00	0.00	4.71	0.00	0.00	0.86	0.00	0.00	3.46	0.00	0.00	0.39
33	Strengthening & Augmentation of Existing Network	New	Samaguri, 1x40+2x25 MVA to 3x40 MVA	0.00	0.00	8.01	0.00	0.00	1.46	0.00	0.00	5.90	0.00	0.00	0.66
34	Strengthening & Augmentation of Existing Network	New	Moran, 2x16 MVA to 2x25 MVA	0.00	0.00	8.25	0.00	0.00	1.54	0.00	0.00	6.03	0.00	0.00	0.67
35	Strengthening & Augmentation of Existing Network	New	Two 220kV numbers bay at Kukumara 400/220kV SS against Kukumara 0.00 Boragao n 220kV D/C line	0.00	0.00	3.44	0.00	0.00	0.70	0.00	0.00	2.47	0.00	0.00	0.27
36	Strengthening & Augmentation of Existing Network	New	One no. 132kV Transformer Bay at Shankardebnagar 132/33kV SS for one no. 40MVA proposed new transformer under capacity augmentation.	0.00	0.00	1.27	0.00	0.00	0.26	0.00	0.00	0.90	0.00	0.00	0.11
37	Strengthening & Augmentation of Existing Network	Ongoing	Sonapur 220/132, 2x100 MVA ; 132/33kV 2x25 MVA	16.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.95	0.00	0.00
38	Strengthening	Ongoing	LILLO of 220 kV	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.12	0.00	0.00

Sr. No.	Type of Works	New/ Ongoing	Name of Works	Total Funds (Rs. Crore)			Equity (Rs. Crore)			Grant (Rs. Crore)			Loan (Rs. Crore)		
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19
	& Augmentation of Existing Network	ing	Samaguri – Sarusajai at Sonapur												
39	Strengthening & Augmentation of Existing Network	Ongoing	LILO of Chandrapur – Narengi 0.00KHP at Sonapur	3.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.56	0.00	0.00
40	Strengthening & Augmentation of Existing Network	Ongoing	Rangia – Salakathi 220 kV D/C line	37.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.07	0.00	0.00
41	Expansion of Transmission Network	New	Jakhalabandha, 2x50 MVA, 220/33kV	0.00	2.89	17.53	0.00	0.78	4.73	0.00	2.11	12.80	0.00	0.00	0.00
42	Expansion of Transmission Network	New	Jonai, 2x25 MVA, 132/33kV	0.00	1.51	6.62	0.00	0.69	3.03	0.00	0.82	3.59	0.00	0.00	0.00
43	Expansion of Transmission Network	New	Dhing, 2x25 MVA, 132/33kV	0.00	1.51	6.56	0.00	0.70	3.03	0.00	0.81	3.53	0.00	0.00	0.00
44	Expansion of Transmission Network	New	Baithalangso, 2x25 MVA, 132/33kV	0.00	1.46	0.00	0.00	0.66	0.00	0.00	0.80	0.00	0.00	0.00	0.00
45	Expansion of Transmission Network	New	Titabor, 2x25, 132/33 kV	0.00	1.31	9.71	0.00	0.35	2.61	0.00	0.95	7.10	0.00	0.00	0.00
46	Expansion of Transmission Network	New	Dhupdhara, 2x25 MVA, 132/33kV	0.00	1.33	6.48	0.00	0.55	2.67	0.00	0.79	3.82	0.00	0.00	0.00
47	Expansion of Transmission Network	New	Kumarikata, 2x25 MVA, 132/33kV	0.00	1.20	6.21	0.00	0.46	2.40	0.00	0.74	3.82	0.00	0.00	0.00
48	Expansion of Transmission Network	New	LILO of Samaguri – Mariani 220kV S/C line at Jakhalabandha.	0.00	0.47	2.37	0.00	0.19	0.94	0.00	0.28	1.43	0.00	0.00	0.00
49	Expansion of Transmission Network	New	Silapathar – Jonai 132kV S/C line on D/C Tower	0.00	1.30	13.56	0.00	0.61	6.42	0.00	0.68	7.14	0.00	0.00	0.00
50	Expansion of Transmission	New	Nagaon 0.002 – Dhing 132 kV D/C line	0.00	0.58	6.43	0.00	0.26	2.85	0.00	0.32	3.58	0.00	0.00	0.00

Sr. No.	Type of Works	New/ On-going	Name of Works	Total Funds (Rs. Crore)			Equity (Rs. Crore)			Grant (Rs. Crore)			Loan (Rs. Crore)		
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19
	Network														
51	Expansion of Transmission Network	New	LILO of one circuit of Samaguri – Shankardebnagar 132kV D/C line at Baithalangso	0.00	0.49	5.36	0.00	0.22	2.38	0.00	0.27	2.99	0.00	0.00	0.00
52	Expansion of Transmission Network	New	Mariani – Titabor 132kV S/C line in D/C Tower	0.00	0.46	4.84	0.00	0.22	2.29	0.00	0.24	2.55	0.00	0.00	0.00
53	Expansion of Transmission Network	New	Boko – Dhupdhara 132kV S/C line on D/C Tower	0.00	0.56	5.81	0.00	0.26	2.75	0.00	0.29	3.06	0.00	0.00	0.00
54	Expansion of Transmission Network	New	Nalbari – Kumarikata 132kV S/C line on D/C Tower	0.00	0.65	6.78	0.00	0.31	3.21	0.00	0.34	3.57	0.00	0.00	0.00
55	Expansion of Transmission Network	New	One no 132kV Bay at Silapathar against Silapathar – Jonai 132kV line	0.00	0.00	1.27	0.00	0.00	0.26	0.00	0.00	1.01	0.00	0.00	0.00
56	Expansion of Transmission Network	New	Two numbers 132 kV Bay at Nagaon 0.002 for Nagaon0.002 – Dhing line	0.00	0.00	2.32	0.00	0.00	0.48	0.00	0.00	1.84	0.00	0.00	0.00
57	Expansion of Transmission Network	New	One no 132kV Bay at Mariani against Mariani – Titabor S/C line	0.00	0.00	1.27	0.00	0.00	0.26	0.00	0.00	1.01	0.00	0.00	0.00
58	Expansion of Transmission Network	New	One no 132 kV Bay at Boko for Boko – Dhupdhara 132 kV line	0.00	0.00	1.27	0.00	0.00	0.26	0.00	0.00	1.01	0.00	0.00	0.00
59	Expansion of Transmission Network	New	One 132 kV Bay at Nalbari for Nalbari – Kumarikata 132 kV line	0.00	0.00	1.27	0.00	0.00	0.26	0.00	0.00	1.01	0.00	0.00	0.00
60	Expansion of Transmission Network	New	Panjabari, 2x100 MVA, 220/132kV	0.00	1.56	19.17	0.00	0.51	6.25	0.00	0.95	11.63	0.00	0.11	1.29
61	Expansion of Transmission Network	New	Nathkuchi, 2x40 MVA, 132/33kV	0.00	0.70	6.61	0.00	0.29	2.78	0.00	0.36	3.45	0.00	0.04	0.38
62	Expansion of Transmission	New	Narayanpur, 2x50 MVA, 220/33kV	0.00	1.68	15.79	0.00	0.42	3.97	0.00	1.13	10.63	0.00	0.13	1.18

Sr. No.	Type of Works	New/ On-going	Name of Works	Total Funds (Rs. Crore)			Equity (Rs. Crore)			Grant (Rs. Crore)			Loan (Rs. Crore)		
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19
	Network														
63	Expansion of Transmission Network	New	Nagaon0.002, 2x50 MVA, 132/33 kV	0.00	1.42	5.15	0.00	0.39	1.42	0.00	0.92	3.36	0.00	0.10	0.37
64	Expansion of Transmission Network	New	Ghungur, 2x40 MVA, 132/33kV	0.00	1.39	6.30	0.00	0.39	1.79	0.00	0.90	4.06	0.00	0.10	0.45
65	Expansion of Transmission Network	New	Agamoni, 2x25 MVA, 132/33kV	0.00	2.51	5.67	0.00	0.99	2.25	0.00	1.36	3.08	0.00	0.15	0.34
66	Expansion of Transmission Network	New	Chhaygaon, 2x25 MVA, 132/33kV	0.00	1.34	6.14	0.00	0.38	1.72	0.00	0.87	3.98	0.00	0.10	0.44
67	Expansion of Transmission Network	New	LILO of Sonapur – Sarusajai 220kV line at Panjabari	0.00	0.00	2.84	0.00	0.00	1.13	0.00	0.00	1.55	0.00	0.00	0.17
68	Expansion of Transmission Network	New	LILO of Bornagar – Rangja 132kV S/C line at Nathkuchi	0.00	0.00	2.11	0.00	0.00	0.93	0.00	0.00	1.05	0.00	0.00	0.12
69	Expansion of Transmission Network	New	Biswanath Chariali – Narayanpur 220kV S/C line on D/C Tower	0.00	0.00	18.47	0.00	0.00	8.09	0.00	0.00	9.35	0.00	0.00	1.04
70	Expansion of Transmission Network	New	LILO of one circuit of Samaguri – Nagaon 132kV line at Nagaon0.002	0.00	0.00	7.02	0.00	0.00	3.11	0.00	0.00	3.52	0.00	0.00	0.39
71	Expansion of Transmission Network	New	Pailapool –Ghungur 132kV S/C line on D/C Tower	0.00	0.93	8.76	0.00	0.93	4.63	0.00	0.00	3.71	0.00	0.00	0.41
72	Expansion of Transmission Network	New	LILO of Gossaigaon – Gauripur line at Agamoni	0.00	0.00	7.02	0.00	0.00	3.11	0.00	0.00	3.52	0.00	0.00	0.39
73	Expansion of Transmission Network	New	Boko – Chhaygaon 132 kV D/C line	0.00	0.97	9.75	0.00	0.97	4.86	0.00	0.00	4.40	0.00	0.00	0.49
74	Expansion of Transmission Network	New	One no 132 kV Bay at Pailapool against Pailapool – Ghungur 132 kV line	0.00	0.00	1.27	0.00	0.00	0.26	0.00	0.00	0.90	0.00	0.00	0.10

Sr. No.	Type of Works	New/ Ongoing	Name of Works	Total Funds (Rs. Crore)			Equity (Rs. Crore)			Grant (Rs. Crore)			Loan (Rs. Crore)		
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19
75	Expansion of Transmission Network	New	Two numbers 132 kV Bay at Boko for Boko – Chhaygaon 132 kV D/C Line	0.00	0.00	2.32	0.00	0.00	0.48	0.00	0.00	1.66	0.00	0.00	0.18
76	Expansion of Transmission Network	Ongoing	Kokrajhar 132/33kV, 2x25 MVA Substation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	Expansion of Transmission Network	Ongoing	Karimganj, 132/33kV, 2x25 MVA S/S	6.68	0.00	0.00	0.00	0.00	0.00	6.68	0.00	0.00	0.00	0.00	0.00
78	Expansion of Transmission Network	Ongoing	Barpeta, 132/33kV, 2x25 MVA	5.91	0.00	0.00	0.00	0.00	0.00	5.91	0.00	0.00	0.00	0.00	0.00
79	Expansion of Transmission Network	Ongoing	Dhekiajuli, 132/33kV, 2x25 MVA SS	7.37	0.00	0.00	0.00	0.00	0.00	7.37	0.00	0.00	0.00	0.00	0.00
80	Expansion of Transmission Network	Ongoing	Hatsingimari, 132/33 kV, 2x16 MVA	6.75	0.00	0.00	0.00	0.00	0.00	6.75	0.00	0.00	0.00	0.00	0.00
81	Expansion of Transmission Network	Ongoing	Azara, 132/33kV, 2x40 MVA	2.76	0.00	0.00	0.00	0.00	0.00	2.76	0.00	0.00	0.00	0.00	0.00
82	Expansion of Transmission Network	Ongoing	Umrangso	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	Expansion of Transmission Network	Ongoing	Sonabil – Biswanath Chariali 220kV S/C on D/C tower	18.16	7.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.16	7.79	0.00
84	Expansion of Transmission Network	Ongoing	BTPS –Kokrajhar 132 kV S/C line on D/C tower	0.42	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00
85	Expansion of Transmission Network	Ongoing	Kukurmara – Azara 132kV S/C line on D/C tower	0.91	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	0.00
86	Expansion of Transmission Network	Ongoing	Hailakandi – Karimganj 132kV S/C line on D/C tower	3.20	0.00	0.00	0.00	0.00	0.00	3.20	0.00	0.00	0.00	0.00	0.00
87	Expansion of Transmission Network	Ongoing	Kokrajhar – Bilasipara 132kV S/C line on D/C tower	0.74	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.00

Sr. No.	Type of Works	New/ Ongoing	Name of Works	Total Funds (Rs. Crore)			Equity (Rs. Crore)			Grant (Rs. Crore)			Loan (Rs. Crore)		
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19
88	Expansion of Transmission Network	Ongoing	Bilasipara – Gauripur 132kV S/C line on D/C tower	1.15	0.00	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.00	0.00	0.00
89	Expansion of Transmission Network	Ongoing	Agia – Hatsingimari 132 kV S/C line on D/C tower	13.22	0.00	0.00	0.00	0.00	0.00	13.22	0.00	0.00	0.00	0.00	0.00
90	Expansion of Transmission Network	Ongoing	Salakathi – BTPS 132kV S/C line on D/C tower	6.24	0.00	0.00	0.00	0.00	0.00	6.24	0.00	0.00	0.00	0.00	0.00
91	Expansion of Transmission Network	Ongoing	LILO of Dhaligaon 0.00Bornagar –132 kV S/C line at Barpeta	10.62	4.25	0.00	0.00	0.00	0.00	10.62	4.25	0.00	0.00	0.00	0.00
92	Expansion of Transmission Network	Ongoing	LILO of Rowta – Depota S/C line at Dhekiajuli	0.48	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00
93	Plan for Evacuation of Power	New	Upgradation of existing Shankardebnagar 132/33kV SS to 220 kV (GIS), 2x160 MVA	0.00	1.41	23.80	0.00	0.31	5.31	0.00	0.98	16.64	0.00	0.11	1.85
94	Plan for Evacuation of Power	New	LKHEP – Shankardebnagar 220 kV D/C line	0.00	1.29	14.33	0.00	0.51	5.69	0.00	0.70	7.77	0.00	0.08	0.86
95	Plan for Evacuation of Power	New	Misa (PG) SS – Shankardebnagar 220 kV D/C line	0.00	0.59	6.51	0.00	0.23	2.59	0.00	0.32	3.53	0.00	0.04	0.39
96	Plan for Evacuation of Power	New	LKHEP – KLHEP 220kV D/C line	0.00	1.77	16.01	0.00	0.70	6.36	0.00	0.96	8.68	0.00	0.11	0.97
97	Plan for Evacuation of Power	New	2x500 MVA, 400/220kV Transformers at CTU's proposed Rangia (PGCIL) SS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	Plan for Evacuation of Power	New	D/C LILO of Rangia – Amingaon 220kV D/C line	0.00	0.47	4.27	0.00	0.19	1.70	0.00	0.26	2.31	0.00	0.03	0.26
99	IT Application	New	Replacing existing Ground Wire by OPGW	0.00	15.62	19.52	0.00	4.68	5.86	0.00	10.93	13.66	0.00	0.00	0.00
100	IT Application	Ongoing	Protection Suite Software for Relay Data base management	0.00	1.06	0.00	0.00	0.06	0.00	0.00	1.00	0.00	0.00	0.00	0.00

Sr. No.	Type of Works	New/ Ongoing	Name of Works	Total Funds (Rs. Crore)			Equity (Rs. Crore)			Grant (Rs. Crore)			Loan (Rs. Crore)		
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19
101	IT Application	Ongoing	Renovation of PLCC system	0.00	9.09	3.90	0.00	1.01	0.00	0.00	8.08	3.90	0.00	0.00	0.00
102	Reduction of Transmission Losses	New	Sonabil – Depota 132kV S/c line	0.00	0.00	7.33	0.00	0.00	4.80	0.00	0.00	2.28	0.00	0.00	0.25
103	Reduction of Transmission Losses	New	LTPS – Mariani 132 kV S/C line	0.00	0.00	31.97	0.00	0.00	20.16	0.00	0.00	10.63	0.00	0.00	1.18
104	Reduction of Transmission Losses	New	BTPS 0.00 Dhaligaon 132kV D/C line	0.00	0.00	13.77	0.00	0.00	7.46	0.00	0.00	5.68	0.00	0.00	0.63
105	Reduction of Transmission Losses	New	Kukurmara – Sarusajai 220kV D/C line	0.00	0.00	23.49	0.00	0.00	10.32	0.00	0.00	11.85	0.00	0.00	1.31
106	System Reliability and Efficiency Improvement	New	Procurement of ERS tower at four locations	0.00	0.00	23.84	0.00	0.00	2.99	0.00	0.00	18.77	0.00	0.00	2.09
107	System Reliability and Efficiency Improvement	Ongoing	Replacement of old & obsolete switchgear equipment of existing 46 numbers EHV SS	64.10	16.03	0.00	3.24	0.00	0.00	60.86	16.03	0.00	0.00	0.00	0.00
108	System Reliability and Efficiency Improvement	Ongoing	Upgradation of existing control & protection system to IEC 61850 based system.	116.08	77.59	0.00	36.83	0.00	0.00	79.25	77.59	0.00	0.00	0.00	0.00
109	System Reliability and Efficiency Improvement	Ongoing	Procurement of Diagnostic Tools	20.78	8.90	0.00	1.68	0.00	0.00	19.10	8.90	0.00	0.00	0.00	0.00
110	System Reliability and Efficiency Improvement	Ongoing	Strengthening of existing switching scheme & earthing system.	4.89	11.41	0.00	0.66	0.00	0.00	4.23	11.41	0.00	0.00	0.00	0.00
111	System Reliability and Efficiency Improvement	Ongoing	Redundancy in station auxiliary systems, Retrofitting of Nitrogen Fire Fighting System for existing transformers.	18.15	42.36	0.00	2.45	0.00	0.00	15.70	42.36	0.00	0.00	0.00	0.00

Sr. No.	Type of Works	New/ On-going	Name of Works	Total Funds (Rs. Crore)			Equity (Rs. Crore)			Grant (Rs. Crore)			Loan (Rs. Crore)		
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19
112	Metering Plan	New	Procurement of Communicable ABT compliant meters at forty eight locations	1.41	3.28	0.00	0.06	0.13	0.00	1.35	3.15	0.00	0.00	0.00	0.00
113	Network Expansion	New	Nagaon – Baghjap 132kV D/C line	0.00	1.07	8.59	0.00	0.47	3.80	0.00	0.54	4.30	0.00	0.06	0.48
114	Network Expansion	New	Moran0.00Sibsagar 132kV D/C line	0.00	0.88	7.03	0.00	0.39	3.11	0.00	0.44	3.52	0.00	0.05	0.39
115	Network Expansion	New	2nd Circuit Stringing of Samaguri – Nagaon 132 kV S/C line on D/C Tower	0.00	1.73	8.31	0.00	1.73	6.06	0.00	0.00	2.03	0.00	0.00	0.22
116	Network Expansion	New	2nd Circuit Stringing of BTPS 0.00Kokrajhar – Bilasipara – Gauripur 132kV S/C line on D/C Tower	0.00	4.42	21.20	0.00	4.42	15.46	0.00	0.00	5.16	0.00	0.00	0.58
117	Network Expansion	New	2 nos. 132 kV Bay at Nagaon 132/33kV S/S for Nagaon 0.00 Baghjap 132kV D/C line at Nagaon end	0.00	0.00	2.32	0.00	0.00	0.48	0.00	0.00	1.66	0.00	0.00	0.18
118	Network Expansion	New	2 nos. 132 kV Bay at Nagaon 132/33kV S/S for Nagaon Baghjap 132kV D/C line at Baghjap end	0.00	0.00	2.32	0.00	0.00	0.48	0.00	0.00	1.66	0.00	0.00	0.18
119	Network Expansion	New	One no 132kV Bay at Samaguri 220/132/33kV SS for 2nd Ckt stringing of Samaguri0.00Nagaon 132kV S/C line	0.00	0.00	1.27	0.00	0.00	0.26	0.00	0.00	0.90	0.00	0.00	0.10
120	Network Expansion	New	One no 132kV Bay at Nagaon 132/33kV SS for 2nd Ckt stringing of Samaguri0.00Nagaon 132kV S/C line	0.00	0.00	1.27	0.00	0.00	0.26	0.00	0.00	0.90	0.00	0.00	0.10
121	Network Expansion	New	Two nos 132kV Bay at Moran 132/33kV SS	0.00	0.00	2.32	0.00	0.00	0.48	0.00	0.00	1.66	0.00	0.00	0.18

Sr. No.	Type of Works	New/ On-going	Name of Works	Total Funds (Rs. Crore)			Equity (Rs. Crore)			Grant (Rs. Crore)			Loan (Rs. Crore)		
				FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19	FY 2016-17	FY 2017-18	FY 2018-19
			against Moran0.00Sibasagar 132kV D/C line												
122	Network Expansion	New	Two nos 132kV Bay at Sibasagar 132/33kV SS against Moran0.00Sibasagar 132kV D/C line	0.00	0.00	2.32	0.00	0.00	0.48	0.00	0.00	1.66	0.00	0.00	0.18
123	Network Expansion	New	One no 132kV Bay at BTPS against 2nd Circuit Stringing of BTPS0.00Kokrajhar 132kV line.	0.00	0.00	1.27	0.00	0.00	0.26	0.00	0.00	0.90	0.00	0.00	0.10
124	Network Expansion	New	Two nos 132kV Bay at Kokrajhar against 2nd Circuit Stringing of BTPS0.00Kokrajhar – Bilasipara 132kV line.	0.00	0.00	2.32	0.00	0.00	0.48	0.00	0.00	1.66	0.00	0.00	0.18
125	Network Expansion	New	One no 132kV Bay at Gauripur against 2nd Circuit Stringing of BTPS0.00Kokrajhar0.00Bilasipara0.00Gauripur 132kV line.	0.00	0.00	1.27	0.00	0.00	0.26	0.00	0.00	0.90	0.00	0.00	0.10
126	Network Expansion	New	Two nos 132kV Bay at Bilasipara against 2nd Circuit Stringing of Kokrajhar – Bilasipara0.00Gauripur 132kV line.	0.00	0.00	2.32	0.00	0.00	0.48	0.00	0.00	1.66	0.00	0.00	0.18

Name of Company:  
Name of the Project:

Assam Electricity Grid Corporation Limited

Investment Plan

Form No:

F4

	Particulars	Length of Line (Ckt.Kms.)/ S/S CAP. (MVA)	Estimated Cost (Rs. Crores)	Scheduled Date of Completion	Completion Programme /Remarks
<b>I</b>	<b>400 kV Lines</b>				
1	LILO of Silchar -Byrnihat 400kV line at Sonapur.	50 Ckt-KM	62.0703	2018-19	
<b>2</b>	<b>Sub Total (I) (400 kV Lines)</b>		<b>62.0703</b>		
<b>II</b>	<b>400 kV Sub Stations</b>				
1	Sonapur 400kV SS, 2x315 MVA	630 MVA	257.5229	2018-19	
<b>2</b>	<b>Sub Total (II) (400 kV S/S)</b>		<b>257.5229</b>		
<b>III</b>	<b>220 kV Lines:</b>				
1	LILO of one circuit of BTPS – Rangia 220kV line with 2 nos. Pile at Bornagar	20 Ckt-KM	21.1344	2018-19	NERPSIP Tranche-2
2	220kV Double circuit LILO of existing Samaguri – Mariani line at Khumtai	16 Ckt-KM	13.0319	2018-19	NERPSIP Tranche-2
3	Kukurmara – Boragaon 220kV D/C line with 3.0 KM UG Cable	37 Ckt-KM	82.8667	2018-19	NERPSIP Tranche-2
4	LILO of Samaguri – Mariani 220kV S/C line at Jakhalabandha.	20 Ckt-KM	11.8472	2018-19	NERPSIP Tranche-2
5	LILO of Sonapur – Sarusajai 220kV line at Panjabari	6 Ckt-KM	3.5542	2018-19	24X7 PFA
6	Biswanath Chariali –Narayanpur 220kV S/C line on D/C Tower	85 Ckt-KM	92.3745	2018-19	24X7 PFA
<b>7</b>	<b>Sub Total (III) (220 kV Lines)</b>		<b>224.8089</b>		
<b>IV</b>	<b>220 kV Sub Stations</b>				
1	2x160 MVA,220 kV SS, Bornagar	200 MVA	150.9299	2018-19	NERPSIP Tranche-2
2	Khumtai, 2x100 MVA, 220/132kV SS,2x40 MVA, 132/33kV SS.	200 MVA, 80 MVA	164.5225	2018-19	NERPSIP Tranche-2
3	Boragaon, 220/33kV SS, 2x100 MVA	200 MVA	105.0021	2018-19	
4	Jakhalabandha, 2x50 MVA, 220/33kV	100 MVA	107.213	2018-19	NERPSIP Tranche-2
5	Panjabari, 2x100 MVA, 220/132kV	200 MVA	95.8667	2018-19	24X7 PFA
6	Narayanpur, 2x50 MVA, 220/33kV	100 MVA	142.09	2018-19	24X7 PFA
	<b>Capacity Augmentation of Existing Substation</b>				
7	1x50+1x100 MVA to 1x160+1x100 MVA; 1x12.5+1x40 MVA to 2x40 MVA, 220/132 kV Agia SS.	110 MVA & 27.5 MVA	14.794	2018-19	
8	2x50 MVA to 2x100 MVA, 220/132kV SS, Namrup	100 MVA	16.357	2018-19	
9	3x100 MVA to 2x160 MVA 220/132kV SS, Sarusajai	120 MVA	14.19	2018-19	Proposal placed at NEC
<b>10</b>	<b>Sub Total (IV) (220 kV S/S)</b>		<b>810.9652</b>		
<b>V</b>	<b>132 kV Lines:</b>				
1	LILO of Jorhat (W) – Bokakhat 132kV S/C line Khumtai	10 Ckt-KM	4.3892	2018-19	
2	Khumtai – Sarupathar 132kV D/C line	110 Ckt- KM	43.0665	2018-19	NERPSIP Tranche-2
3	Silapathar – Jonai 132kV S/C line on D/C Tower	70 Ckt-KM	54.8119	2018-19	NERPSIP Tranche-2
4	Nagaon -2 – Dhing 132 kV D/C line	30 Ckt-KM	26.3354	2018-19	NERPSIP Tranche-2
5	LILO of one circuit of Samaguri – Shankardebnagar 132kV D/C line at Baithalangso	50 Ckt-KM	21.9461	2018-19	NERPSIP Tranche-2
6	Mariani – Titabor 132kV S/C line in D/C Tower	25 Ckt-KM	19.5757	2018-19	NERPSIP Tranche-2
7	Boko – Dhupdhara 132kV S/C line on D/C Tower	30 Ckt-KM	23.4908	2018-19	NERPSIP Tranche-2
8	Nalbari – Kumarikata 132kV S/C line on D/C Tower	35 Ckt-KM	27.4059	2018-19	NERPSIP Tranche-2
9	LILO of Bornagar – Rangia 132kV S/C line at Nathkuchi	6 Ckt-KM	2.6335	2018-19	24X7 PFA
10	LILO of one circuit of Samaguri – Nagaon 132kV line at Nagaon-2	20 Ckt-KM	8.7785	2018-19	24X7 PFA
11	Pailapool –Ghungur 132kV S/C line on D/C Tower	25 Ckt-KM	19.5757	2018-19	24X7 PFA
12	LILO of Gossaigaon – Gauripur line at Agamoni	20 Ckt-KM	8.7785	2018-19	24X7 PFA
13	Boko – Chhaygaon 132 kV D/C line	50 Ckt-KM	21.9461	2018-19	24X7 PFA
14	Nagaon – Baghjap 132kV D/C line	110 Ckt-KM	48.2815	2018-19	
15	Moran-Sibsagar 132kV D/C line	90 Ckt-KM	39.5031	2018-19	
16	2 <sup>nd</sup> Circuit Stringing of Samaguri – Nagaon 132 kV S/C line on D/C Tower	29 Ckt-KM	11.4652	2018-19	

	Particulars	Length of Line (Ckt.Kms.)/ S/S CAP. (MVA)	Estimated Cost (Rs. Crores)	Scheduled Date of Completion	Completion Programme /Remarks
17	2 <sup>nd</sup> Circuit Stringing of BTPS -Kokrajhar – Bilasipara – Gauripur 132kV S/C line on D/C Tower	74 Ckt-KM	29.2561	2018-19	
<b>18</b>	<b>Sub Total (V) (132 kV Lines)</b>		<b>411.2397</b>		
<b>VI</b>	<b>132 kV Sub Stations</b>				
1	Jonai, 2x25 MVA, 132/33kV	50 MVA	33.0802	2018-19	NERPSIP Tranche-2
2	Dhing, 2x25 MVA, 132/33kV	50	32.8072	2018-19	NERPSIP Tranche-2
3	Baithalangso, 2x25 MVA, 132/33kV	50	32.174	2018-19	NERPSIP Tranche-2
4	Titabor, 2x25, 132/33 kV	50	48.5666	2018-19	NERPSIP Tranche-2
5	Dhupdhara, 2x25 MVA, 132/33kV	50	32.4184	2018-19	NERPSIP Tranche-2
6	Kumarikata, 2x25 MVA, 132/33kV	50	31.0591	2018-19	NERPSIP Tranche-2
7	Nathkuchi, 2x40 MVA, 132/33kV	80	33.0507	2018-19	24X7 PFA
8	Nagaon-2, 2x50 MVA, 132/33 kV	100	51.5133	2018-19	24X7 PFA
9	Ghungur, 2x40 MVA, 132/33kV	80	49.0921	2018-19	24X7 PFA
10	Agamoni, 2x25 MVA, 132/33kV	50	31.6028	2018-19	24X7 PFA
11	Chhaygaon, 2x25 MVA, 132/33kV	50	47.9748	2018-19	24X7 PFA
	<b>Capacity Augmentation of Existing Substation</b>				
12	Dhemaji, from 1x12.5+1x16 MVA to 2x40 MVA	51.5 MVA	9.106	2018-19	
13	BTPS, 1x80+1x160 MVA to 2x160 MVA	80 MVA	10.7393	2018-19	Proposal approved by NEC
14	Bornagar, 2x25 MVA to 2x40 MVA	30 MVA	9.1016	2018-19	
15	Rangia, 2x25 MVA to 2x50 MVA	50 MVA	10.4704	2018-19	
16	Sishugram, 2x30 +1x40 MVA to 2x50 +1x.40 MVA	40 MVA	10.4704	2018-19	
17	Narengi, 2x25 MVA to 2x50 MVA	50 MVA	10.4704	2018-19	
18	Sipajhar, 2x16 MVA to 2x40 MVA	48 MVA	9.1016	2018-19	
19	Biswanath Chariali, 2x16 to 2x40 MVA	48 MVA	7.67	2018-19	Proposal approved by NEC
20	Golaghat, 2x25 MVA to 2x50 MVA	50 MVA	10.2592	2018-19	
21	Kahilipara, 2x40+2x30+1x31.5 MVA to 5x40 MVA	28.5 MVA	13.7036	2018-19	
22	Jogighopa (APM), 2x12.5 MVA to 2x25 MVA	25 MVA	1.6688	2018-19	Replaced with Barnagar Transformers
23	Pailapool, 3x10+1x16 MVA to 2x25+1x16 MVA	20 MVA	1.5383	2018-19	Replace with Srikona Transformers
24	Srikona, 2x25 MVA to 2x40 MVA	30 MVA	8.9984	2018-19	
25	Bokajan, 2x16 MVA, 132/33kV to 2x25 MVA	18 MVA	7.5881	2018-19	Replace with Golaghat Transformers
26	Shankardebnagar, 2x25 MVA to 1x40 MVA+2x25 MVA	40 MVA	5.3471	2018-19	
27	Samaguri, 1x40+2x25 MVA to 3x40 MVA	30 MVA	9.1016	2018-19	
28	Moran, 2x16 MVA to 2x25 MVA	18 MVA	9.3748	2018-19	
<b>29</b>	<b>Sub Total (VI) (132 kV Sub-stations)</b>		<b>568.0488</b>		
<b>VII</b>	<b>Misc. Works</b>				
<b>A</b>	<b>Requirement of Bay</b>				
1	Two 220kV numbers bay at Kukurmara 400/220kV SS against Kukurmara-Boragaon 220kV D/C line		4.3008	2018-19	
2	One no. 132kV Transformer Bay at Shankardebnagar 132/33kV SS for one no. 40MVA proposed new transformer under capacity augmentation.		1.5816	2018-19	
3	One no 132kV Bay at Silapathar against Silapathar – Jonai 132kV line		1.5816	2018-19	NERPSIP Tranche-2
4	Two numbers 132 kV Bay at Nagaon -2 for Nagaon-2 – Dhing line		2.9007	2018-19	NERPSIP Tranche-2
5	One no 132kV Bay at Mariani against Mariani – Titabor S/C line		1.5816	2018-19	NERPSIP Tranche-2
6	One no 132 kV Bay at Boko for Boko – Dhupdhara 132 kV line		1.5816	2018-19	NERPSIP Tranche-2
7	One 132 kV Bay at Nalbari for Nalbari – Kumarikata 132 kV line		1.5816	2018-19	NERPSIP Tranche-2
8	One no 132 kV Bay at Pailapool against Pailapool – Ghungur 132 kV line		1.5816	2018-19	24X7 PFA

	Particulars	Length of Line (Ckt.Kms./) S/S CAP. (MVA)	Estimated Cost (Rs. Crores)	Scheduled Date of Completion	Completion Programme /Remarks
9	Two numbers 132 kV Bay at Boko for Boko – Chhaygaon 132 kV D/C Line		2.9007	2018-19	24X7 PFA
10	2 nos. 132 kV Bay at Nagaon 132/33kV S/S for Nagaon - Baghjap 132kV D/C line at Nagaon end		2.9007	2018-19	
11	2 nos. 132 kV Bay at Nagaon 132/33kV S/S for Nagaon Baghjap 132kV D/C line at Baghjap end		2.9007	2018-19	
12	One no 132kV Bay at Samaguri 220/132/33kV SS for 2 <sup>nd</sup> Ckt stringing of Samaguri-Nagaon 132kV S/C line		1.5816	2018-19	
13	One no 132kV Bay at Nagaon 132/33kV SS for 2 <sup>nd</sup> Ckt stringing of Samaguri-Nagaon 132kV S/C line		1.5816	2018-19	
14	Two nos 132kV Bay at Moran 132/33kV SS against Moran-Sibasagar 132kV D/C line		2.9007	2018-19	
15	Two nos 132kV Bay at Sibasagar 132/33kV SS against Moran-Sibasagar 132kV D/C line		2.9007	2018-19	
16	One no 132kV Bay at BTPS against 2 <sup>nd</sup> Circuit Stringing of BTPS-Kokrajhar 132kV line.		1.5816	2018-19	
17	Two nos 132kV Bay at Kokrajhar against 2 <sup>nd</sup> Circuit Stringing of BTPS-Kokrajhar –Bilasipara 132kV line.		2.9007	2018-19	
18	One no 132kV Bay at Gauripur against 2 <sup>nd</sup> Circuit Stringing of BTPS-Kokrajhar-Bilasipara-Gauripur 132kV line.		1.5816	2018-19	
19	Two nos 132kV Bay at Bilasipara against 2 <sup>nd</sup> Circuit Stringing of Kokrajhar –Bilasipara-Gauripur 132kV line.		2.9007	2018-19	
<b>B</b>	<b>Capacity Augmentation by Re-conductoring with Low Loss HTLS conductor</b>				
20	Sonabil – Depota 132kV S/c line	15 Ckt-KM	7.6117	2018-19	
21	LTPS – Mariani 132 kV S/C line	70 Ckt-KM	35.5212	2018-19	
22	BTPS - Dhaligaon 132kV D/C line	42 Ckt-KM	14.4709	2018-19	
23	Kukumara – Sarusajai 220kV D/C line	48 Ckt-KM	26.102	2018-19	
<b>C</b>	<b>LKHEP Evacuation</b>				
24	Upgradation of existing Shankardebnagar 132/33kV SS to 220 kV (GIS), 2x160 MVA	320 MVA	126.0065	2018-19	ADB Funding
25	LKHEP – Shankardebnagar 220 kV D/C line	110 Ckt-KM	65.1596	2018-19	ADB Funding
26	Misa (PG) SS – Shankardebnagar 220 kV D/C line	50 Ckt-KM	29.618	2018-19	ADB Funding
27	LKHEP – KLHEP 220kV D/C line	150 Ckt-KM	88.854	2018-19	ADB Funding
<b>D</b>	<b>IT Application</b>				
28	Replacement of existing Ground Wire by OPGW	1531.5 KM	39.04	2018-19	
<b>E</b>	<b>Power Evacuation from CTU's interface</b>				
31	D/C LILO of Rangia – Amingaon 220kV D/C line	40 Ckt-KM	23.6944	2018-19	From PGCIL 400/220kV Rangia S/S, ADB Funding
32	Procurement of 4 sets of ERS		26.49	2018-19	
<b>33</b>	<b>Sub Total (VII) (Misc. Works)</b>		<b>525.8907</b>		
<b>VIII</b>	<b>Grand Total (I..VII)</b>		<b>2860.5465</b>		
	<i>Rounded off to (in Crores) =</i>		<b>2860.55</b>		



	Particulars	Length of Line (Ckt.Kms.)/ S/S CAP. (MVA)	Approved Cost (Rs. Crores)	Completed Cost (Rs. Crores)	Variation in Cost (Rs.Crores)	Reasons of Variation in Cost	Scheduled Date of Completion	Actual Date of Completion	Date of Electrical Inspector's Clearance*	Variation in Schedule	Reasons of Variation in Schedule
<b>A</b>	<b>IT Application</b>										
1	Protection Suite Software for Relay Data base management		1.06								
2	Renovation of PLCC system		12.99								
<b>B</b>	<b>System Reliability/ Efficiency improvement</b>										
3	Replacement of old & obsolete switchgear equipment of existing 46 numbers EHV SS		80.13								
4	Up-gradation of existing control & protection system to IEC 61850 based system.		193.67								
5	Procurement of Diagnostic Tools		29.68								
6	Strengthening of existing switching scheme & earthing system.		16.3								
7	Redundancy in station auxiliary systems, Retrofitting of Nitrogen Fire Fighting System for existing		60.51								
<b>C</b>	<b>Metering Plan</b>										
8	Implementation of online meter data communication with communicable meters for 46 EHV SS & 2 nos. generating station's substations.		4.69								
9	<b>Sub Total (VII) (Misc. Works)</b>		<b>394.34</b>								
10	<b>Grand Total (I..VII)</b>										

Petitioner

Name of Company: **ASSAM ELECTRICITY GRID CORPORATION LIMITED**

Name of the Project:

Break-up of Construction/ Supply/ Service packages															
Form No: F9															
Particulars	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 Name/ No. of Construction / Supply / Service Package	ADB Package E, Loan No. 2677-IND:	TDF	TDF	NLCPR	NEC, AP	NLCPR	TDF	TDF	State Plan	TDF	TDF	TDF	TDF	TDF	NLCPR
2 Scope of works <sup>1</sup> (in line with head of cost break-ups as applicable)	(a) Supply: 220/132kV, 2x100 MVA Transformer for Salakati S/S (b) Supply: 220/132kV, 2x100 MVA Transformer for Samaguri S/S	Dhekiajuli, 132/33kV, 2x25 MVA SS	Barpeta, 132/33kV, 2x25 MVA	Azara, 132/33kV, 2x40 MVA	Umrangso, 132/33kV, 1x25 +1x16 MVA	Kokrajhar, 132/33kV, 2x25 MVA S/S	Karimganj, 132/33kV, 2x25 MVA S/S	Hatsingimari, 132/33 kV, 2x16 MVA	Sonabil – Biswanath Chariali 220kV S/C on D/C tower	Hailakandi – Karimganj 132kV S/C line on D/C tower	Agia – Hatsingimari 132 kV S/C line on D/C tower	LILO of Dhaligaon - Bornagar –132 kV S/C line at Barpeta	LILO of Rowta – Depota S/C line at Dhekiajuli	Salakathi – APM, 132kV S/C line on D/C tower	Kukurmara – Azara 132kV S/C line on D/C tower
3 Whether awarded through ICB/DCB/ Departmentally/ Deposit Work	Turnkey Contractor	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB
4 No. of bids received	NA	7	5	11	6	11	4	5	4	4	4	4	4	3	4
5 Date of Award	24.12.2015	18.5.15	22.2.16	27.2.12	10.12.12	17.11.11	6.4.15	28.10.16	15.12.15	3.7.14	20.10.14	18.4.16	18.4.16	19.1.15	17.11.16
6 Date of Start of work	24.12.2015	18.5.15	22.2.16	27.2.12	10.12.12	17.11.11	6.4.15	28.10.16	15.12.15	3.7.14	20.10.14	18.4.16	18.4.16	19.1.15	17.11.16
7 Date of Completion of Work	June, 2016								15.6.17	3.1.15			18.7.17 (Schld)	17.8.16 (Schld)	4.3.17 (Schld)
8 Value of Award in (Rs. Lakhs)	874 Lakhs	1120	1090	957	1229	912.904	1298.98	1083.71	2595.45	1065	4406.58	1416.46	160	2079.14	455.05
9 Firm or With Escalation in prices	139 Lakhs														
10 Actual capital expenditure till the completion or up to COD whichever is earlier(Rs.Lakh)	874 Lakhs	1120	1090	957	1229	1560.65	2225.16	1083.71	Nil	209.49	3233.9	304.1	4.86	895.11	Nil
11 Taxes & Duties and IEDC	43.7 Lakhs	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)
12 IDC, FC, FERV & Hedging Cost	NA								NA	NA	NA	NA	NA	NA	NA
13 Sub -total (9+10+11)	1056.7	1120	1090	957	1229	1560.65	2225.16	1083.71	NIL	1065	4406.58	1416.46	160	2079.14	NIL
14 Remarks						A/C statement at Annex-I	A/C statement at Annex-II								

1 The scope of work in any package should be indicated in conformity of cost break-up in Form-9a to the extent possible

2 If there is any package, which need to be shown in Indian Rupee and foreign currency(ies), the same should be shown separately alongwith the currency, the exchange rate and the date e.g. Rs. 800 Lakh. + US\$ 5m=Rs. 3900 Lakh. at US\$=Rs62 as on say 01.04.15

Petitioner

**ASSAM ELECTRICITY GRID CORPORATION LIMITED**

Form No: F9

Particulars	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Name/ No. of Construction / Supply / Service Package	<b>PSDF: System Reliability/ Efficiency improvement</b>																	
Scope of works <sup>1</sup> (in line with head of cost break-ups as applicable)	220kV CB (Package A)	220kV CB (Package B)	132kV CB (Package A)	132kV CB (Package B)	132kV CB (Package C)	66kV & 33kV CB (Package A)	66kV & 33kV CB (Package B)	66kV & 33kV CB (Package C)	66kV & 33kV CB (Package D)	220kV, 132kV, 66kV, 33kV LA (Package A)	220kV, 132kV, 66kV, 33kV LA (Package B)	220kV, 132kV, 66kV, 33kV LA (Package C)	220kV, 132kV, 66kV, 33kV Isolator (Package A)	220kV, 132kV, 66kV, 33kV Isolator (Package B)	220kV, 132kV, 66kV, 33kV Isolator (Package C)	48V DC System (Package A)	48V DC System (Package B)	110V & 220V DC System (Package A)
Whether awarded through ICB/DCB/ Departmentally/ Deposit Work	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB
No. of bids received	3	3	4	4	3	3	4	4	3	3	3	3	3	3	3	3	3	3
Date of Award	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	6.8.16
Date of Start of work	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	7.3.16	6.8.16
Date of Completion of Work																		
Value of Award in (Rs. Lakhs)	360.73	328.49	327.75	331.36	296.67	131.38	228.54	205.87	194.56	127.21	110.65	113.72	504.46	450.36	505.05	142.07	180.22	185.1
Firm or With Escalation in prices																		
Actual capital expenditure till the completion or up to COD whichever is earlier(Rs.Lakh)	360.73	328.49	327.75	331.36	296.67	131.38	228.54	205.87	194.56	127.21	110.65	113.72	504.46	450.36	505.05	142.07	180.22	185.1
Taxes & Duties and IEDC	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)
IDC, FC, FERV & Hedging Cost																		
Sub -total (9+10+11)	<b>360.73</b>	<b>328.49</b>	327.75	331.36	296.67	131.38	228.54	205.87	194.56	127.21	110.65	113.72	504.46	450.36	505.05	142.07	180.22	185.1
Remarks																		

1 The scope of work in any package should be indicated in conformity of cost break-up in Form-9a to the extent possible

2 If there is any package, which need to be shown in Indian Rupee and foreign currency(ies), the same should be shown separately alongwith the currency, the exchange rate and the date e.g. Rs. 800 Lakh. + US\$ 5m=Rs. 3900 Lakh. at US\$=Rs62 as on say 01.04.15

Particulars	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Name/ No. of Construction / Supply / Service Package	<b>PSDF: System Reliability/ Efficiency improvement</b>													
Scope of works <sup>1</sup> (in line with head of cost break-ups as applicable)	110V & 220V DC System (Package B)	110V & 220V DC System (Package C)	Instrument Txmer. (Package A)	Instrument Txmer. (Package B)	Instrument Txmer. (Package C)	Station service Transformer (Package A)	Station service Transformer (Package B)	CRP (Package A)	CRP (Package B)	CRP (Package C)	CRP (Package D)	CRP (Package E)	CRP (Package G)	CRP (Package F)
Whether awarded through ICB/DCB/ Departmentally/ Deposit Work	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB	DCB
No. of bids received	3	3	3	3	3	3	3	4	4	4	4	4	4	4
Date of Award	6.8.16	6.8.16	10.10.16	10.10.16	10.10.16	10.11.16	10.11.16	21.10.16	21.10.16	21.10.16	19.10.16	19.10.16	19.10.16	25.10.16
Date of Start of work	6.8.16	6.8.16	10.10.16	10.10.16	10.10.16	10.11.16	10.11.16	21.10.16	21.10.16	21.10.16	19.10.16	19.10.16	19.10.16	25.10.16
Date of Completion of Work														
Value of Award in (Rs. Lakhs)	153.58	138.92	693.86	711.96	409.25	167	167	1204	1253	1677	1580	7438	1498	1632
Firm or With Escalation in prices														
Actual capital expenditure till the completion or up to COD whichever is earlier(Rs.Lakh)	153.58	138.92	693.86	711.96	409.25	167	167	1204	1253	1677	1580	7438	1498	1632
Taxes & Duties and IEDC	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)	(incl.)
IDC, FC, FERV & Hedging Cost														
Sub -total (9+10+11)	153.58	138.92	693.86	711.96	409.25	167	167	1204	1253	1677	1580	7438	1498	1632
Remarks														

Petitioner

<b>Name of Company:</b>		<b>Assam Electricity Grid Corporation Limited</b>			
<b>Name of the Project:</b>					
<b>Details of elementwise cost of the project</b>		<b>Form No:</b>		<b>F9a</b>	
<b>Transmission Lines</b>					
	<b>Name of Line</b>	<b>Apportioned approved cost (Rs. Lakh)</b>	<b>Revised cost estimates, if applicable (Rs. Lakh)</b>	<b>Completed Cost (Rs. Lakh)</b>	<b>Covered in the present petition Yes/No</b>
1	LILO of 220 kV Samaguri – Sarusajai at Sonapur	1373			
2	Rangia – Salakati 220 kV D/C line	12358			
3	Sonabil – Biswanath Chariali 220kV S/C on D/C tower	2595			
4	LILO of Chandrapur – Narengi-KHP at Sonapur	1188			
5	BTPS –Kokrajhar 132 kV S/C line on D/C tower	415			
6	Kukumara – Azara 132kV S/C line on D/C tower	304			
7	Hailakandi – Karimganj 132kV S/C line on D/C tower	1065			
8	Kokrajhar – Bilasipara 132kV S/C line on D/C tower	736			
9	Bilasipara – Gauripur 132kV S/C line on D/C tower	1151.5	1370.29	1370.29	Yes
10	Agia – Hatsingimari 132 kV S/C line on D/C tower	4407			
11	Salakathi – APM, 132kV S/C line on D/C tower	2079			
12	LILO of Dhaligaon -Bornagar –132 kV S/C line at Barpeta	1416			
13	LILO of Rowta – Depota S/C line at Dhekiajuli	160			
<b>Substations</b>					
	<b>Name of Sub-station</b>	<b>Apportioned approved cost (Rs. Lakh)</b>	<b>Revised cost estimates, if applicable (Rs. Lakh)</b>	<b>Completed Cost (Rs. Lakh)</b>	<b>Covered in the present petition Yes/No</b>
1	ADB Package E, Loan No. 2677-IND: Capacity Augmentation of Existing Substation				
(a)	Supply: 220/132kV, 2x100 MVA Transformer for Salakati S/S	874	1056.7	1056.7	Yes
(b)	Supply: 220/132kV, 2x100 MVA Transformer for Samaguri S/S				
2	Dhekiajuli, 132/33kV, 2x25 MVA SS	2457			
3	Barpeta, 132/33kV, 2x25 MVA	1969			
4	Azara, 132/33kV, 2x40 MVA	925			
5	Umrangso 132/33kV, 1x25 +1x16 MVA	1344			
6	Kokrajhar 132/33kV, 2x25 MVA S/S	2179.36			
7	Karimganj 132/33kV, 2x25 MVA S/S	2225			
8	Hatsingimari, 132/33 kV, 2x16 MVA	2250			

**Petitioner**

Name of Company:  
Name of Plant/ Station:

Assam Electricity Grid Corporation Ltd.

Calculation of Weighted Average Rate of Interest on Actual Loans

Form No: F12a

Rs. Crores

Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
	Actual	Estimated	Projected		
<b>Loan-1 (ADB Loan)</b>					
Gross loan - Opening	66.23	77.51	89.39	89.39	91.38
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan - Opening	66.23	77.51	89.39	89.39	91.38
Add: Drawal(s) during the Year	11.28	11.88	0.00	1.99	37.93
Less: Repayment (s) of Loans during the year	0.00	0.00	0.00	0.00	0.00
Net loan - Closing	77.51	89.39	89.39	91.38	129.31
Average Net Loan	71.87	83.45	89.39	90.39	110.35
Rate of Interest on Loan on annual basis	10.50%	10.50%	10.50%	10.50%	10.50%
Interest on loan	7.45	8.78	9.39	9.49	11.56
<b>Loan-2 (GoA Loan)</b>					
Gross loan - Opening	255.41	314.67	354.37	372.87	380.74
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan - Opening	255.41	314.67	354.37	372.87	380.74
Add: Drawal(s) during the Year	59.26	39.70	18.50	7.87	0.68
Less: Repayment (s) of Loans during the year	0.00	0.00	0.00	0.00	0.00
Net loan - Closing	314.67	354.37	372.87	380.74	381.42
Average Net Loan	285.04	334.52	363.62	376.81	381.08
Rate of Interest on Loan on annual basis	10.00%, 10.50%	10.00%, 10.50%	10.00%, 10.50%	10.00%, 10.50%	10.00%, 10.50%
Interest on loan	31.51	35.80	36.77	38.09	38.53
<b>Loan-3 (Central Govt. Loans)</b>					
Gross loan - Opening			0.00	61.70	62.18
Cumulative repayments of Loans upto previous year			0.00	0.00	0.00
Net loan - Opening			0.00	61.70	62.18
Add: Drawal(s) during the Year			61.70	0.48	11.82
Less: Repayment (s) of Loans during the year			0.00	0.00	0.00
Net loan - Closing			61.70	62.18	74.00
Average Net Loan			30.85	61.94	68.09
Rate of Interest on Loan on annual basis			10.00%	10.00%	10.00%
Interest on loan			3.04	6.19	6.80
<b>Total Loan</b>					
Gross loan - Opening	321.64	392.18	443.76	523.96	534.30
Cumulative repayments of Loans upto previous year	0.00	0.00	0.00	0.00	0.00
Net loan - Opening	321.64	392.18	443.76	523.96	534.30
Add: Drawal(s) during the Year	70.54	51.58	80.20	10.34	50.43
Less: Repayment (s) of Loans during the year	0.00	0.00	0.00	0.00	0.00
Net loan - Closing	392.18	443.76	523.96	534.30	584.73
Average Net Loan	356.91	417.97	483.86	529.13	559.52
Interest on loan	38.96	44.58	49.20	53.77	56.89
<b>Weighted average Rate of Interest on Loans</b>	10.30%	10.30%	10.28%	10.26%	10.27%

Note:

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

Petitioner





Name of Company:  
Name of Plant/ Station:

Calculation of Interest on Normative Loan

Form No: F12b

Rs. Crores

S. No.	Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
		Actual	Estimated	Projected		
1	Gross Normative loan – Opening	321.64	392.18	443.76	523.96	534.30
2	Cumulative repayment of Normative loan upto previous year	0.00	0.00	0.00	0.00	0.00
3	<b>Net Normative loan – Opening</b>	321.64	392.18	443.76	523.96	534.30
4	Add: Increase due to addition during the year / period	70.54	51.58	80.20	10.34	50.43
5	Less: Decrease due to de-capitalisation during the year /	0.00	0.00	0.00	0.00	0.00
6	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
7	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
8	<b>Net Normative loan - Closing</b>	392.18	443.76	523.96	534.30	584.73
9	<b>Average Normative loan</b>	356.91	417.97	483.86	529.13	559.52
10	Weighted average rate of interest	10.30%	10.30%	10.28%	10.26%	10.27%
11	<b>Interest on Loan</b>	36.76	43.05	49.74	54.31	57.46

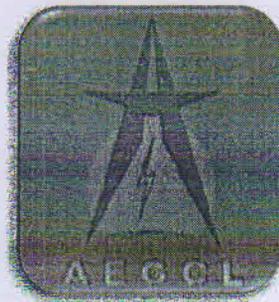
Petitioner





# **ANNUAL ACCOUNTS**

**2014-15**



**ASSAM ELECTRICITY GRID  
CORPORATION LIMITED**

1  
ASSAM ELECTRICITY GRID CORPORATION LIMITED

**BALANCE SHEET AS AT 31ST MARCH, 2015**

(₹ Lakh)

Particulars	Notes	As at 31st March, 2015	As at 31st March, 2014
<b><u>I. EQUITY &amp; LIABILITIES</u></b>			
<b>(A) Shareholder's Funds</b>			
(a) Share Capital	1	9,993	9,993
(b) Reserves and Surplus	2	1,23,520	1,15,100
<b>(B) Share Application Money (Pending Allotment)</b>			
	3	-	-
<b>(C) Non Current Liabilities</b>			
(a) Long Term Borrowings	4	45,200	38,100
(b) Long Term Provisions	5	18,358	15,059
<b>(D) Current Liabilities</b>			
(a) Short Term Borrowings	6	350	335
(b) Trade Payables	7	20,783	19,341
(c) Other Current Liabilities	8	38,033	36,257
(d) Short Term Provisions	9	3,887	4,219
<b>Total ::</b>		<b>2,60,124</b>	<b>2,38,404</b>
<b><u>II. ASSETS</u></b>			
<b>(A) Non-Current Assets</b>			
<b>(a) Fixed Assets</b>			
(i) Tangible Assets	10	43,690	42,246
(ii) Capital Work-In-Progress	10	85,657	75,649
(b) Non Current Investment	11	5,348	6,134
(c) Other Non Current Assets	12	1	-
<b>(B) Current Assets</b>			
(a) Current Investment	13	-	-
(b) Inventories	14	2,119	2,631
(c) Trade Receivable	15	63,258	54,936
(d) Cash & Cash Equivalents	16	32,571	33,651
(e) Short Term Loans & Advances	17	2,724	2,708
(f) Other Current Assets	18	24,756	20,449
<b>Total ::</b>		<b>2,60,124</b>	<b>2,38,404</b>
<b>Significant Accounting Policies</b>	I		

The accompanying notes form an integral part of these financial statements.

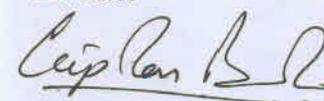
For and on behalf of the Board

  
(G.K. Das)  
Managing Director

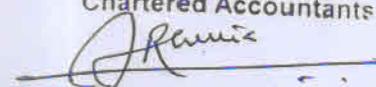
  
(S.K. Saha)  
CGM (F&A)



  
( J. Saikia)  
Director

  
(D. Barua)  
Company Secretary

**For JHURIA & COMPANY**  
Chartered Accountants

  
(R. JHURIA)  
Partner

17/3/15

**STATEMENT OF PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED  
31ST MARCH, 2015**

(₹ Lakh)

Particulars	Notes	Year ended 31st March, 2015	Year ended 31st March, 2014
<b><u>I. INCOME</u></b>			
(a) Revenue From Operations	19	46,252	45,603
(b) Other Income	20	9,324	6,473
<b>Total Revenue ::</b>		<b>55,576</b>	<b>52,076</b>
<b><u>II. EXPENDITURE</u></b>			
(a) Employee Benefits Expense	21	13,006	12,440
(b) Finance Costs	22	3,090	2,560
(c) Depreciation and Amortization Expenses	23	6,885	6,411
(d) Other Expenses	24	40,650	31,340
<b>Total Expenses ::</b>		<b>63,631</b>	<b>52,751</b>
<b>Profit (Loss) Before Tax (I-II)</b>		<b>(8,055)</b>	<b>(675)</b>
<b><u>III. TAX EXPENSES</u></b>			
(a) Current Tax		-	-
(b) Deferred Tax		-	-
<b>Profit (Loss) for the period</b>		<b>(8,055)</b>	<b>(675)</b>
<b><u>IV. Earnings per share :</u></b>			
(a) Basic (In ₹)	25	(81)	(7)
(b) Diluted			
<b>Significant Accounting Policies</b>	I		

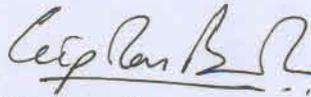
The accompanying notes form an integral part of these financial statements.

For and on behalf of the Board

  
(G.K. Das)  
Managing Director

  
(S.K. Saha)  
CGM (F&A)

  
(J. Saikia)  
Director

  
(D. Barua)  
Company Secretary



For JHURIA & COMPANY  
Chartered Accountants

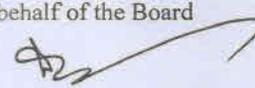
  
(R. JHURIA)  
Partner  
17/8/15

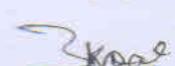
**ASSAM ELECTRICITY GRID CORPORATION LIMITED**  
**CASH FLOW STATEMENT FOR THE YEAR ENDED 31ST MARCH, 2015**

(₹ Lakh)

	Year ended 31 <sup>st</sup> March, 2015	Year ended 31 <sup>st</sup> March, 2014
<b>A</b>	<b>Cash Flow from Operating Activities</b>	
	(8,055)	(675)
	Add :-	
	(1)	8
	6,972	6,443
	(9,324)	(6,473)
	3,090	2,560
	-	-
	<b>(7,318)</b>	<b>1,863</b>
	Adjusted for :	
	512	(215)
	(8,322)	(5,597)
	(4,307)	(2,639)
	(16)	(4)
	1,776	4,978
	(332)	(69)
	1,442	(1,325)
	15	335
	3,299	(2,188)
	4,643	3,542
	(8,608)	(1,319)
	<b>(8,608)</b>	<b>(1,319)</b>
<b>B</b>	<b>Cash Flow from Investment Activities</b>	
	(8,417)	(6,027)
	(10,008)	(28,293)
	786	(785)
	4,681	2,931
	<b>(12,958)</b>	<b>(32,174)</b>
<b>C</b>	<b>Cash Flow from Financing Activities</b>	
	-	-
	-	-
	7,054	5,978
	(5,465)	15,379
	20,736	15,801
	44	276
	1,207	900
	(3,090)	(2,560)
	<b>20,486</b>	<b>35,774</b>
	<b>(1,080)</b>	<b>2,281</b>
	<b>33,651</b>	<b>31,370</b>
	<b>32,571</b>	<b>33,651</b>

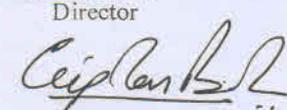
For and on behalf of the Board

  
 (G.K. Das)  
 Managing Director

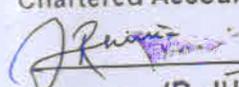
  
 (S.K. Saha)  
 CGM (F&A)



  
 (J. Saikia)  
 Director

  
 (D. Barua)  
 Company Secretary

For **JHURIA & COMPANY**  
 Chartered Accountants

  
 (R. JHURIA)  
 Partner  
 17/8/15

**Notes to the Financial Statements for the Year Ended 31st March, 2015****I. Significant Accounting Policies: -****1. Basis of Preparation and accounting:**

These financial statements are prepared in accordance with applicable accounting standards in India and the relevant presentational requirements of the Companies Act, 1956. The Financial Statements have also been prepared on a going concern basis under the historical cost convention on the accrual basis of accounting except otherwise stated, in conformity with the Generally Accepted Accounting Principles ("GAAP").

The operations of the Corporation are governed by the provisions of the Electricity Act, 2003 and various regulations and policies framed there under by the appropriate authorities. Accordingly, the Financial Statements have been prepared in terms thereof.

Accounting policy adopted by the ASEB have been followed by the Corporation while preparing the Annual Accounts which are approved by the Board of the Corporation under AS-1 related to Disclosure of Accounting Policies.

**2. Inventories:**

Inventories of stores and spares as at the end of the year are valued at cost.

**3. Fixed Assets:**

Classifications of Fixed Assets are as per Transfer Scheme. Addition of assets has been booked under their natural head of classification. Capitalizations of assets are done on completion /commission of the asset. Block Registers showing categories of Assets, the amount of depreciation charged/ withdrawn, year wise in respect of the assets are maintained at Head Office. The Fixed Asset Register showing particulars including quantitative details and situation of fixed assets as on 31.03.2014 has already been prepared. The Fixed Assets are stated at actual cost less accumulated depreciation.

Conduction of Physical Verification of Fixed Assets have been handed over to M/s Pricewaterhouse Coopers Private Limited, Kolkata.



## ASSAM ELECTRICITY GRID CORPORATION LIMITED

**4. Classification of Assets and Liabilities:**

All assets & liabilities of the corporation are segregated into current & non-current based on the principles and definitions set out in the Schedule VI of the Companies Act, 1956 as amended.

**5. Capital work-in-progress:**

All expenses incurred for acquiring, erecting and commissioning of fixed assets and incidental expenditure incurred during construction of the projects are shown under capital work-in-progress and are allocated to the fixed assets on the completion of the projects.

**6. Depreciation/Amortization:**

Depreciation is provided as per Companies Act 1956. Depreciation has been provided as per Regulation 14 thereof subject to a maximum of 95% of the original cost of the asset. Depreciation has been provided at the following rates on Straight Line Method.

<u>Assets</u>	<u>Depreciation Rate</u>
Building containing Transmission installations	3.34%
Office Buildings	1.63%
Other Buildings	1.63%
Hydraulic Works	4.75%
Other Civil Works	1.63%
Plant and Machinery	5.28%
Lines and Cable Net-work	5.28%
Trucks	11.31%
Jeeps, trekkers and motor cars	9.50%
Other Vehicles	10.34%
Furniture and Fixtures	6.33%
Electrical wiring, light and fan installations	6.33%
Calculators	4.75%
Typewriters	4.75%
Cash Register	6.33%
Computers	16.21%
Other Office Equipment	4.75%

The Depreciation on addition of assets during the year has been calculated day wise. AS-6 related to Depreciation Accounting has been followed while calculating the depreciation.



**7. Revenue Recognition:**

Wheeling Charges of electric energy is accounted for on the basis of rates approved by the AERC i.e., annual fixed charge ₹ 462.52 Crore including SLDC Charge of ₹ 2.12 Crore. Out of total wheeling charges ₹ 133.42 Crore relates to BST Charge against past liability towards Pension Trust, but the actual BST Charge provided in the Annual Account as per calculation based on the energy handled is ₹ 139.10 Crore . AS-9 related to Revenue Recognition has been complied.

**8. Employee Benefits:**

Pursuant to the Transfer Scheme, the Government of Assam (GoA) vide its Notification No.PEL.190/2004/69 dated 4<sup>th</sup> February, 2005 notified a plan for meeting out the terminal benefit obligations of personnel so transferred from ASEB to successor entities. As per Clause 1.5 of the said notification, "Terminal Benefit" means the ASEB's employee related liabilities including payment of pension, gratuity, leave encashment and General Provident Fund and any other retirement benefits and other applicable benefits including right to appropriate revisions in the above benefits consistent with the practice that were prevalent in ASEB. Accounting for Retirement Benefits in the Financial Statements of Employers-Provision for Pension, Gratuity and Leave Salary Encashment have been provided as per actuarial valuation under AS-15.

(a) Funding for past-unfunded terminal liabilities shall be on the basis of actuarial valuation done as at 9th December 2004. In respect of cash outflows towards past-unfunded liabilities of existing employees, existing pensioners and existing family pensioners, funding pattern will be guided by the aforesaid Government notification.

**(b) Funding for future services-Terminal Benefits:**

The Corporation makes a provision for terminal benefits liability for future service of its permanent employees joining in the service before 01.01.2004 @ 23.31% of Basic plus Dearness Allowance as per AERC and in the line with the GoA's Notification mentioned above.

**(c) Leave Encashment benefit (LEB) of employees:**

Leave encashment benefits of the old employees are accounted for on cash basis and the claim for recovery of the appropriate share of such amount, i.e., share of past liability relating to period prior to 01.04.2005 is forwarded to the pension trust authorities as per GoA's Notification mentioned here-in-above.



## ASSAM ELECTRICITY GRID CORPORATION LIMITED

**(d) GPF deductions/payments of employees:**

Payment on account of GPF (Final Withdrawal and Non-refundable advance) to the existing employees is being made from the GPF Account of the Corporation. Claim for recovery of appropriate share of such fund, i.e., share of past-unfunded liability is also forwarded to the Pension Trust authorities as per GoA Notification mentioned here in above.

Provision for interest payable on GPF is made @ 8.7% per annum on the opening balance and the average subscription of the employees during the year.

**(e) Terminal benefit for new employees (appointed on or after 1.1.2004):**

New pension Scheme is being implemented for the new employees of the Corporation as per Government of India Notification No.5/7/2003-ECB & PR dated 22.12.2003.

**9. Accounting for Government Grants:**

Government grants (both GoA and GoI) have been taken as promoter's contribution towards total capital outlay vide GoA's Notification No.PEL.133/2003/pt/463 dated 03.03.2009 and accounted as capital receipts and taken to Capital Reserves. As per the said notification, grants & subsidies towards creation of capital assets paid by the Government of Assam to ASEB and its successor Companies should be treated as promoter's contribution. Conversion of said grants and subsidies into Equity is on process.

**10. Segment Reporting:**

As the Corporation deals in single product and operates under the same economic environment and is not subject to different risk and return, segment reporting as per AS-17 is not required to be disclosed.

**11. Investments:**

Investment consists of Fixed Deposits with Banks and Investment in Treasury Bills. Investments are valued at cost.

**12. Taxes on Income:**

Current tax will be provided for on the taxable profits of the year at the applicable tax rates.



**13. Preliminary Expenses:**

Preliminary expenses are written off over a period of five years in equal installments from the year of commencement of operations.

**14. General Provident Fund:**

GPF liability is payable to an employee only after completion of 25 years of qualifying services. Accumulation of GPF is utilized as internal resources by the Corporation. As such GPF has been shown as unsecured loan.

**15. Prior Period Items:**

Accounting of Prior period items have been done as per AS-5. Prior period items are income or expenses which arise in the current period as a result of errors or omissions in the preparation of the financial statements of one or more prior periods.

**16. AS-30** related to financial instruments: recognition and measurement is not applicable to the Corporation.



**II. Notes on Accounts**

The amounts in Financial Statements are presented in Indian Rupees and all figures have been rounded off to the nearest rupees lakh except when otherwise stated. The operations of the Corporation are governed by the provisions of the Electricity Act, 2003 and various regulations and policies framed there under by the appropriate authorities. The financial statements for the year ended 31st March 2015 are prepared as per the Revised Schedule VI. The previous year figures have also been reclassified/ regrouped/ rearranged wherever necessary.

**1. SHARE CAPITAL**

Particulars	(₹ Lakh)	
	As at 31-03-2015	As at 31-03-2014
<b>Authorised Shares Capital</b>		
10000000 equity share of 100 each	10,000	10,000
<b>Issued, Subscribed and paid up</b>		
(i) 9993194 equity share of ₹100/- each fully paid up	9,993	9,993
(Previous year 9993194 equity share of ₹100/- each fully paid up)		
<b>Total</b>	<b>9,993</b>	<b>9,993</b>

1.1 9993194 (previous year 9993194) shares out of the issued, subscribed and paid up Shares Capital were allotted as fully paid up pursuant to transfer scheme without payment being received in cash.

## 1.2 The details of shareholders

Name of the Shareholder	(₹)		(₹)	
	As at 31-03-2015		As at 31-03-2014	
	No	% Held	No	% Held
Government of Assam (G.O.A.)	99,93,194	100	99,93,194	100

## 1.3 The reconciliation of the number of shares outstanding is set out below

Particulars	(₹)	
	As at 31-03-2015	As at 31-03-2014
Equity shares at the beginning of the year	99,93,194	99,93,194
Add : Shares Issued during the year	-	-
Equity shares at the end of the year	99,93,194	99,93,194



## ASSAM ELECTRICITY GRID CORPORATION LIMITED

**2. RESERVES AND SURPLUS**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
Capital Reserves	1,41,550	1,26,279
Other Reserve	6,215	5,008
<b>Profit &amp; Loss Account :</b>		
Profit (Loss) as per Last Balance Sheet	(16,191)	(15,512)
Profit (Loss) for the Year	(8,055)	(675)
<b>Total</b>	<b>1,23,520</b>	<b>1,15,100</b>

**2.1 Capital Reserve Includes :-**

- (a) Grant From GoA  
(b) Grant From ADB

**As at 31-03-2015**61,216  
80,334

(₹ Lakh)

**As at 31-03-2014**66,681  
59,598**2.2 Other Reserve Includes :-**

Claim for recovery of appropriate share (89.21%) of GPF as past unfunded liabilities receivable from Pension Trust as per GoA notification No. PEL. 190/2004/69 dated 04-02-05.

**3. SHARE APPLICATION MONEY PENDING ALLOTMENT**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
Part of Share Capital of Assam State Electricity Board apportioned to the company vide transfer scheme as per notification of the Government of Assam dated 16-08-2005 which is pending allotment	-	-
<b>Total</b>	<b>-</b>	<b>-</b>



**4. LONG TERM BORROWING**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
<b>SECURED :</b>	-	-
<b>Sub-Total</b>	-	-
<b>UNSECURED :</b>		
Loans from ADB	7,751	6,623
State Govt. Loan	31,467	25,541
General Provident Fund	5,982	5,936
<b>Sub-Total</b>	<b>45,200</b>	<b>38,100</b>
<b>Total</b>	<b>45,200</b>	<b>38,100</b>

4.1 Loan from State Govt. includes ₹ 31, 03, 23,542 /- as Repayment Due.

**5. LONG TERM PROVISION**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
<b>Provision For Employee Benefits :</b>		
Liability towards Pension Trust	18,358	15,059
<b>Others :</b>		
Provision for doubtful loans and advances	-	-
<b>Total</b>	<b>18,358</b>	<b>15,059</b>

5.1 Liability towards Pension Trust includes 23.31% of Pay plus DA of the permanent employees of AEGCL (excluding those who joined services on or after 01.01.04) for the FY 2014-15 for terminal benefits liability for future service as per AERC and GoA's notification No.PEL.190/2004/69 dated 04.02.2005 and Board's approval no. 23 dated 15.03.2013.

5.2 Liability towards Pension Trust includes ₹ 139,10,16,000 /- being BST charge payable to Pension Trust during 2014-15.



6. SHORT TERM BORROWINGS

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
<b>SECURED :</b>		
Bank Overdraft Account	350	335
<b>UNSECURED :</b>		
<b>Total</b>	<b>350</b>	<b>335</b>

7. TRADE PAYABLE

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
<u>Micro, Small And Medium Enterprises</u>	-	-
<b>Others</b>		
Wheeling Charges Payable to PGCIL	3,868	2,432
Liability Towards APDCL	16,915	16,909
<b>Total</b>	<b>20,783</b>	<b>19,341</b>



**8. OTHER CURRENT LIABILITIES**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
Interest accrued and due	23,349	18,228
<b>Other Payables</b>		
Liabilities for capital supplies/works	770	5,116
Liabilities for O&M supplies/works	1,314	1,302
Unpaid salaries, wages, bonus, etc	6	6
Salaries, wages, bonus, etc., payable	1,857	1,519
Staff deduction and recovery payable	554	529
Deposits and retention from suppliers and contractors	4,127	3,606
Other Liabilities	6,017	5,897
Advance from APGCL	39	38
Advance For Terminal Benefits	-	16
<b>Total</b>	<b>38,033</b>	<b>36,257</b>

(₹ Lakh)

**8.1 Interest accrued and due includes :**As at 31-03-2015As at 31-03-2014

(i) Interest accrued and due on SG Loan (ADB)	3,275	2,529
(ii) Interest accrued and due on State Govt. Loan	20,074	15,699

**9. SHORT TERM PROVISION**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
<b>Provision For Employee Benefits</b>		
Staff related provision	279	16
<b>Others</b>		
Provision for Liability for Expenses	3,608	4,203
Minimum Alternate Tax	-	-
Provision for Income Tax	-	-
<b>Total</b>	<b>3,887</b>	<b>4,219</b>

9.1 Staff related provision includes provision for bonus of ₹ 12, 00,000 /-. Provision for bonus has been made on the basis of expenditure of the previous year.



14  
ASSAM ELECTRICITY GRID CORPORATION LIMITED

**10. FIXED ASSETS**

(₹ Lakh)

Description	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at 1.4.2014	Additions/Deletions during the year	As at 31.3.2015	As at 1.4.2014	Depreciation for the year	As at 31.3.2015	As at 31.3.2015	As at 31.3.2014
TANGIBLE ASSETS								
OWN ASSETS								
Land & Rights	2,118	25	2,143	-	-	-	2,143	2,117
Building	1,901	339	2,240	1,544	41	1,585	655	357
Hydraulic	264	-	264	246	5	251	13	18
Other Civil Works	851	211	1,062	119	16	135	927	733
Plant & Machinery	55,076	3,770	58,846	23,736	3,116	26,852	31,994	31,339
Lines & Cable Network	65,098	4,003	69,101	57,556	3,722	61,278	7,823	7,543
Vehicles	418	7	425	366	32	398	27	52
Furniture & Fixtures	253	38	291	225	16	241	50	26
Office Equipment	190	18	208	128	24	152	56	61
<b>Total</b>	<b>1,26,169</b>	<b>8,411</b>	<b>1,34,580</b>	<b>83,920</b>	<b>6,972</b>	<b>90,892</b>	<b>43,690</b>	<b>42,246</b>
CAPITAL WORK IN PROGRESS							85,657	75,649

10.1

(i) In the absence of shift log book for Plant & Machinery, depreciation on Plant & Machinery has been charged on continued process plant basis.

(ii) On fixed assets acquired during the year depreciation is charged on 'Put to Use'.

(iii) Addition of Fixed Assets during the FY 2014-15 includes ₹ 58,85,84,707/- related to prior periods.

(iv) Addition of Depreciation during the FY 2014-15 includes ₹ 1, 59, 67,625/- related to prior periods and deletion of depreciation related to prior period is ₹ 73,49,242/-.

10.2

Capital Work In Progress Includes :-	(₹ Lakh)	
	As at 31-03-2015	As at 31-03-2014
(a) Capital works in progress	84,468	73,722
(b) Advance to suppliers/contractors (Capital)	1,189	1,927



**11. NON CURRENT INVESTMENT**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
Trade Investment	5,348	5,349
Other Investments	-	785
<b>Total</b>	<b>5,348</b>	<b>6,134</b>

11.1 Investment in M/s. North East Transmission Company Ltd. as on 31.03.2015 is ₹ 53,48,20,000/- (5,34,82,000 Equity Shares of ₹10 each) against 13% Equity Share.

**12. OTHER NON CURRENT ASSETS**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
<b>Long Term Trade Receivable</b>		
Unsecured Considered Good	-	-
<b>Others</b>		
Deferred Cost	-	-
Exp. On Surveys/Feasibility Studies	1	-
<b>Total</b>	<b>1</b>	-

**13. CURRENT INVESTMENT**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
Investment in Equity Instruments	-	-
Investment in Liquid Funds	-	-
Other Investment	-	-
<b>Total</b>	-	-



## ASSAM ELECTRICITY GRID CORPORATION LIMITED

**14. INVENTORIES**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
1. Capital Materials Stock A/c	2,127	2,302
2. O&M Materials Stock A/c	1,210	1,487
3. Other Material Account	308	267
4. Material Stock-Excess/Shortage Pending Investigation – Capital	35	35
<b>Gross Total</b>	<b>3,680</b>	<b>4,091</b>
Less Provision Against Stock	1,560	1,460
<b>Net Total</b>	<b>2,119</b>	<b>2,631</b>

14.1 There is a difference of ₹ 4.50 crore between book figure of stocks and physical verification report of stocks as on 31.03.2015 which is in the process of reconciliation.

**15. TRADE RECEIVABLES**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
(Unsecured & Considered Good)		
Over Six Months	-	-
Others		
Receivables against Transmission Charges From-APDCL	63,258	54,936
<b>Total</b>	<b>63,258</b>	<b>54,936</b>

**16. CASH & CASH EQUIVALENTS**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
Balances With Bank	865	1,787
Cash In Hand	122	113
Fixed Deposits With Banks	31,584	31,751
<b>Total</b>	<b>32,571</b>	<b>33,651</b>

16.1 Balances with bank include closing bank balance of HQ as well as of all field units along with the fund in transit.

16.2 Cash in Hand includes closing cash balance of HQ as well as of all field units along with imprest with staff.

16.3 Fixed Deposits with Banks includes closing balance of fixed deposit at various banks.

(₹ Lakh)

	As at 31-03-2015	As at 31-03-2014
STDRs managed by AEGCL ( Principal Account)	17,632	25,214
STDRs managed by NPS Cell, AEGCL	240	239
STDRs managed by CPF-I, AEGCL	13,713	6,298
<b>Total</b>	<b>31,584</b>	<b>31,751</b>



**17. SHORT TERM LOANS & ADVANCES**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
<b>(Unsecured &amp; Considered Good)</b>		
Advances for O&M supplies/works	1,663	1,655
Loans and Advances to staff	51	48
Advance Income Tax	1,005	1,005
Advances to APDCL	1	-
Others	4	-
Advances for GPF	-	-
<b>Total</b>	<b>2,724</b>	<b>2,708</b>

**18. OTHER CURRENT ASSETS**

(₹ Lakh)

Particulars	As at 31-03-2015	As at 31-03-2014
Income Accrued but not Due	2,332	1,495
Inter Unit A/c-Materials	246	30
Inter Unit A/c-Capital Expenditure & Fixed Assets	-	-
Inter Unit A/c-Personnel	-	-
Inter Unit A/c-Opening Balance	-	-
Inter Unit A/c-Other Transaction/Adjustments	10	5
Receivable From Pension Trust	8,640	6,583
Receivable From APDCL	10,696	10,694
Receivable From APGCL	2	2
Misc. Receivables	2,303	1374
Receivable from Income Tax Authority	527	266
<b>Total</b>	<b>24,756</b>	<b>20,449</b>

18.1 As per GoA's notification No. PEL. 190/2004/69 dated 4<sup>th</sup> February, 2005, the unfunded past liability on account of GPF and LEB will be funded through the cash streams as mentioned therein and the existing Pension Trust of ASEB will be the common trust for all the new companies. In terms of the said notification, ₹ 20,57,61,970 /- being unfunded past liability towards GPF and LEB paid during the year has been claimed from Pension Trust out of which an amount of ₹ 12,07,13,049/- relating to GPF has been transferred to Other Reserve.

18.2 Inter Unit Accounts include Inter Unit A/c-Materials of ₹ 246/- lakh, which is in the process of reconciliation.

18.3 Receivable from Income Tax Department includes Interest on Fixed Deposits deducted by Banks as TDS during FY 2014-15.



## ASSAM ELECTRICITY GRID CORPORATION LIMITED

**19. REVENUE FROM OPERATIONS**

(₹ Lakh)

Particulars	Year ended 31-03-2015	Year ended 31-03-2014
Wheeling Charges (Transmission Charges) From APDCL	46,252	45,603
<b>Total</b>	<b>46,252</b>	<b>45,603</b>

19.1 Revenue from Wheeling Charge of ₹ 462, 52, 00,000 /- including SLDC Charge of ₹ 2,12,00,000 /- as approved by the AERC was billed to APDCL.

19.2 The quantitative details of electrical energy transacted by the Corporation during the FY 2014-15 along with previous year were as follows:

Particulars	Energy Handled (in MU)	
	2014-15	2013-14
Power available at AEGCL periphery	7232.82	6665.88
<u>Power injected to DISCOM :</u>		
<u>2014-15</u>	6955.08	6393.09
APDCL 6955.08		
Transmission Loss in AEGCL Network	277.74	272.79
Percentage of Transmission Loss	3.84	4.09

**20. OTHER INCOME**

(₹ Lakh)

Particulars	Year ended 31-03-2015	Year ended 31-03-2014
<b>Interest</b>		
Interest on investment in the form of Fixed Deposits with Banks	3,407	2,788
Interest on Investments in any other Investments	15	7
Interest from Banks	90	47
<b>Dividend</b>		
Dividend from Investment in liquid fund	1,070	2
<b>Net Gain on Sale of Investment</b>		
Short Term Capital Gain from liquid fund	-	-
Long Term Capital Gain from liquid fund	-	-
<b>Others</b>		
Rebate received from PGCIL	411	388
Profit on sale of fixed assets	-	504
Hire Charges from contractors	19	-
Sale of scrap	27	-
Misc. receipts	4,128	2,645
Rentals from staff quarters	58	5
Income from Investment	99	87
<b>Total</b>	<b>9,324</b>	<b>6,473</b>



## ASSAM ELECTRICITY GRID CORPORATION LIMITED

**21. EMPLOYEE BENEFITS EXPENSE**

(₹ Lakh)

Particulars	Year ended 31-03-2015	Year ended 31-03-2014
Salaries and Wages	10,698	10,441
Contribution to Provident and Other Funds	1,871	1,881
Payment of ex-gratia	1	1
Payment of Gratuity	267	
Other Employee Costs	149	106
Staff Welfare Expenses	20	11
<b>Total</b>	<b>13,006</b>	<b>12,440</b>

21.1 Contribution to Provident and Other Funds include 23.31% of Basic Pay and DA of employees who joined in service prior to 01-01-2004, which has been paid to the ASEB Employees Pension Fund Investment Trust and 10% of Basic Pay and DA of employees who are covered under New Pension Scheme. Payment of Gratuity includes provision for gratuity of employees who are covered under New Pension Scheme.

**22. FINANCE COSTS**

(₹ Lakh)

Particulars	Year ended 31-03-2015	Year ended 31-03-2014
Interest Expenses	3,077	2,553
Other Borrowing Costs	13	7
<b>Total</b>	<b>3,090</b>	<b>2,560</b>

## 22.1

Interest on State Govt. Loan	3,151	2,540
Interest on ADB Loan	-	-
Interest on GPF	495	488
Penal Interest	694	572
<b>Sub-Total</b>	<b>4,340</b>	<b>3,600</b>
Less Interest Capitalised	1,263	1,047
<b>Total</b>	<b>3,077</b>	<b>2,553</b>

Interest on ADB Loan of ₹ 7, 45, 04,636 /- during 2014-15 has been fully capitalised.

22.2 Other Borrowing Costs include interest on Employees' and Employer's contribution to NPS and Bank Charges.



**23. DEPRECIATION AND AMORTIZATION EXPENSES**

(₹ Lakh)

Particulars	Year ended 31-03-2015	Year ended 31-03-2014
Depreciation on Building	41	38
Depreciation on Hydraulic Works	5	13
Depreciation on Other Civil Works	15	14
Depreciation on Plant & Machinery	3,092	2,839
Depreciation on Lines , Cables Network	3,660	3,431
Depreciation on Vehicles	32	42
Depreciation on Furniture, Fixtures, etc.	16	13
Depreciation on Office Equipments	24	21
<b>Total</b>	<b>6,885</b>	<b>6,411</b>



## ASSAM ELECTRICITY GRID CORPORATION LIMITED

**24. OTHER EXPENSES**

(₹ Lakh)

Particulars	Year ended 31-03-2015	Year ended 31-03-2014
<b>Repairs And Maintenance Expenses :</b>		
Repair and Maintenance of Plant & Machinery	829	561
Repair and Maintenance of Building	116	86
Repair and Maintenance of Other Civil Works	71	132
Repair and Maintenance of Lines, Cable Net Works, etc	178	155
<b>Transmission Charge To PGCIL</b>	<b>26,842</b>	<b>20,930</b>
<b>Establishment Expenses :</b>		
Rent, Rates and Taxes	89	36
Insurance	9	8
Telephone Charges	18	23
Postage, Telegram & Tele Charges	4	3
Audit Fees	4	4
Consultancy fees and expenses	1	-
Legal Charges	3	3
Technical fees and other professional fees and expenses	38	7
Fees including TA & DA for non official member of the Board	-	1
Conveyance and Travel	123	126
Fees & Subscription	32	45
Book and Periodicals	6	2
Printing and Stationery	20	28
Advertisement, Contributions	27	14
Hiring of Vehicles	100	83
Electricity Charges	42	28
Water Charges	1	-
Entertainments	3	2
Participation fees paid for Training/Conference	1	-
Training of Staff and Officers	3	9
Misc. Expenses	13	4
Freight	-	-
Other Purchase related expenses	6	5
Other Miscellaneous Expenses	-	6
Repair and Maintenance of Vehicles	13	10
Repair and Maintenance of Furniture and Fixtures	5	2
Repair and Maintenance of Office Equipment	22	20
<b>Other Debits To Revenue :</b>		
Miscellaneous losses written off	126	25
Write-off of deferred revenue expenditure	-	10
<b>Assets De-Commissioning Costs :</b>		
Transmission lines/sub-stations de-commissioning costs	-	1
<b>Bulk Supply Tariff :</b>		
Bulk Supply Tariff	13,910	8,847
<b>Prior Period Charges / (Credits)</b>		
Net Prior Period Charges/(Credits)	(2,004)	124
<b>Total</b>	<b>40,650</b>	<b>31,340</b>



	Year ended <u>31-03-2015</u>	(₹ Lakh) Year ended <u>31-03-2014</u>
<b>24.1 <u>Prior Period Item Includes</u></b>		
<b><u>Prior Period Expenses and Losses :</u></b>		
Transformer Oil related expenses/losses relating to prior period	-	1
Employee costs relating to prior periods	40	4
Depreciation under provided in prior periods	160	33
Other Expenses relating to Prior Period	105	539
Interest and other finance charges relating to prior periods	529	56
<b><u>Prior Period Income :</u></b>		
Other income relating to prior periods	2,452	509
Other excess provision in prior periods	-	-
Excess provision for depreciation in prior periods	73	-
Interest income for prior period	312	-

24.2 Audit fee of ₹ 4,28,640 /- includes the following :

As Statutory Audit Fees	₹ 2,76,000 /-
(Service Tax)	₹ 38,640 /-
	₹ 3,14,640 /-
Tax Audit Fees	₹ 20,000 /-
Fees for Cost Auditors	₹ 44,000 /-
(Out of Pocket Expenses)	₹ 50,000 /-





## ASSAM ELECTRICITY GRID CORPORATION LIMITED

30. In exercise of the powers conferred by clause (b) of sub-section (1) of section 642 read with sub-section (4) of section 233B & sub-section (1) of section 227 of Companies Act, 1956, the Board of Directors of the Corporation had re-appointed M/s Sanjib Das & Associates as the Cost Auditors of the Corporation for the FY 2014-15. The Corporation in the meantime has been able to maintain preliminary cost records.

For and on behalf of the Board



(G.K. Das)  
Managing Director



(S.K. Saha)  
CGM (F&A)



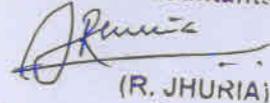
(J. Saikia)  
Director



(D. Barua)  
Company Secretary



For JHURIA & COMPANY  
Chartered Accountants

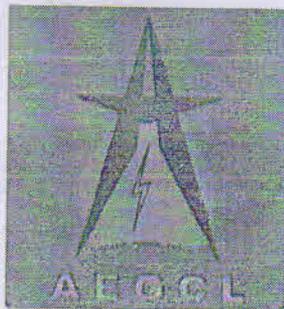


(R. JHURIA)  
Partner

17/8/15

# **ANNUAL ACCOUNTS**

**2015-16**



**ASSAM ELECTRICITY GRID  
CORPORATION LIMITED**

**BALANCE SHEET AS AT 31ST MARCH, 2016**

(₹ Lakh)

Particulars	Notes	As at 31st March, 2016	As at 31st March, 2015
<b>I. EQUITY &amp; LIABILITIES</b>			
<b>(A) Shareholder's Funds</b>			
(a) Share Capital	1	9,993	9,993
(b) Reserves and Surplus	2	1,18,015	1,23,520
<b>(B) Share Application Money (Pending Allotment)</b>			
(C) Non Current Liabilities	3	-	-
(a) Long Term Borrowings	4	51,765	45,200
(b) Long Term Provisions	5	19,150	18,358
<b>(D) Current Liabilities</b>			
(a) Short Term Borrowings	6	-	350
(b) Trade Payables	7	34,142	20,783
(c) Other Current Liabilities	8	48,194	38,033
(d) Short Term Provisions	9	3,636	3,887
<b>Total ::</b>		<b>2,84,895</b>	<b>2,60,124</b>
<b>II. ASSETS</b>			
<b>(A) Non-Current Assets</b>			
(a) Fixed Assets			
(i) Tangible Assets	10	59,394	43,690
(ii) Capital Work-In-Progress	10	92,172	85,657
(b) Non Current Investment	11	5,348	5,348
(c) Other Non Current Assets	12	3	1
<b>(B) Current Assets</b>			
(a) Current Investment	13	-	-
(b) Inventories	14	1,804	2,119
(c) Trade Receivable	15	71,784	63,258
(d) Cash & Cash Equivalents	16	26,052	32,571
(e) Short Term Loans & Advances	17	2,779	2,724
(f) Other Current Assets	18	25,559	24,756
<b>Total ::</b>		<b>2,84,895</b>	<b>2,60,124</b>
<b>Significant Accounting Policies</b>	I		

The accompanying notes form an integral part of these financial statements.

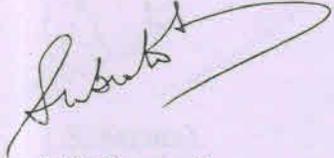
For and on behalf of the Board

  
(G.K. Das)  
Managing Director

  
(S.N. Kalita)  
CGM (F&A)

  
(S. Sarma)  
Director

(GA. RAVI KR. PATWA)  
MRN: 050409  
FRN: 10224702  
5<sup>th</sup> of Oct, 2016

  
(D. Barua)  
Company Secretary

## STATEMENT OF PROFIT & LOSS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2016

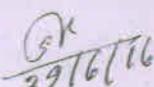
(₹ Lakh)

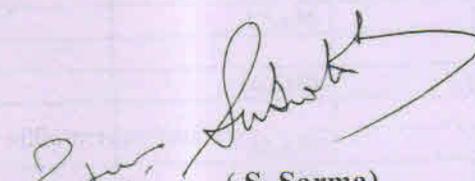
Particulars	Notes	Year ended 31st March, 2016	Year ended 31st March, 2015
<b><u>I. INCOME</u></b>			
(a) Revenue From Operations	19	53,792	46,252
(b) Other Income	20	8,599	9,324
<b>Total Revenue ::</b>		<b>62,391</b>	<b>55,576</b>
<b><u>II. EXPENDITURE</u></b>			
(a) Employee Benefits Expense	21	13,186	13,006
(b) Finance Costs	22	3,897	3,090
(c) Depreciation and Amortization Expenses	23	3,682	6,885
(d) Other Expenses	24	61,600	40,650
<b>Total Expenses ::</b>		<b>82,365</b>	<b>63,631</b>
<b>Profit (Loss) Before Tax (I-II)</b>		<b>(19,974)</b>	<b>(8,055)</b>
<b><u>III. TAX EXPENSES</u></b>			
(a) Current Tax		-	-
(b) Deferred Tax		-	-
<b>Profit (Loss) for the period</b>		<b>(19,974)</b>	<b>(8,055)</b>
<b><u>IV. Earnings per share :</u></b>			
(a) Basic (In ₹)	25	(200)	(81)
(b) Diluted			
<b>Significant Accounting Policies</b>	I		

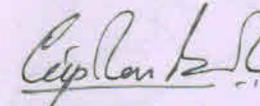
The accompanying notes form an integral part of these financial statements.

For and on behalf of the Board

  
(G.K. Das)  
Managing Director

  
(S.N. Kalita)  
CGM (F&A)

  
(S. Sarma)  
Director

  
(D. Barua)  
Company Secretary

(U.A. RAUTKR. PATWAL)  
PARTICULAR  
MRN : 0562/16  
FRN : 322/16  
5<sup>th</sup> of Oct. 2016

**ASSAM ELECTRICITY GRID CORPORATION LIMITED**  
**CASH FLOW STATEMENT FOR THE YEAR ENDED 31ST MARCH, 2016**

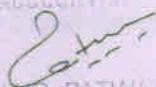
(₹ Lakh)

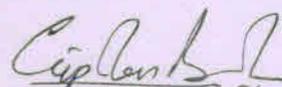
	Year ended 31 <sup>st</sup> March, 2016	Year ended 31 <sup>st</sup> March, 2015
<b>A Cash Flow from Operating Activities</b>		
Net Profit (loss) before Tax	(19,974)	(8,055)
Add :-		
Misc. Expenditure written off	(2)	(1)
Depreciation including adjustment	4,176	6,972
Other income	(8,599)	(9,324)
Interest & Finance Charges	3,897	3,090
Provision for Income Tax	-	-
<b>Operating Profit (loss) before Working Capital changes</b>	<b>(20,502)</b>	<b>(7,318)</b>
Adjusted for :		
Changes in Inventories	315	512
Changes in Sundry Debtors	(8,526)	(8,322)
Changes in Other Current Assets	(802)	(4,307)
Changes in Loans and Advances	(55)	(16)
Changes in Other Current Liabilities	10,161	1,776
Changes in Short Term Provisions	(252)	(332)
Changes in Trade Payable	13,358	1,442
Changes in Short Term Borrowings	(350)	15
Changes in Long Term Provisions	793	3,299
Other income from PGCIL, sale of Fixed Assets, etc.	6,595	4,643
<b>Operating Profit (loss) after Working Capital changes</b>	<b>735</b>	<b>(8,608)</b>
<b>Net Cash Flow from Operating Activities</b>	<b>735</b>	<b>(8,608)</b>
<b>B Cash Flow from Investment Activities</b>		
Changes in Fixed Assets	(19,879)	(8,411)
Changes in CWIP	(6,515)	(10,008)
Changes in Investments	-	786
Other income from FD with Banks, Interest from Banks, etc.	2,004	4,681
<b>Net Cash Flow from Investing Activities</b>	<b>(24,390)</b>	<b>(12,958)</b>
<b>C Cash Flow from Financing Activities</b>		
Changes in Share Capital	-	-
Changes in Secured Loan	1,000	-
Changes in Unsecured Loan	5,158	7,054
Changes in GoA Grant	546	(5,465)
Changes in ADB Grant	10,695	20,736
Changes in Grant from Central Government	2,247	-
Changes in GPF	407	44
Changes in Other Reserves	980	1,207
Interest and Other Charges	(3,897)	(3,090)
<b>Net Cash Flow from Financing Activities</b>	<b>17,136</b>	<b>20,486</b>
<b>Net Changes in Cash and Cash Equivalents (A+B+C)</b>	<b>(6,519)</b>	<b>(1,080)</b>
<b>Opening Balance of Cash and Cash Equivalents</b>	<b>32,571</b>	<b>33,651</b>
<b>Closing Balance of Cash and Cash Equivalents</b>	<b>26,052</b>	<b>32,571</b>

For and on behalf of the Board

  
(G.K. Das)  
Managing Director

  
(S.N. Kalita)  
CGM (F&A)

  
(S. Sarma)  
Director

  
(D. Barua)  
Company Secretary

5<sup>th</sup> of Oct. 2016

## Notes to the Financial Statements for the Year Ended 31st March, 2016

### I. Significant Accounting Policies: -

#### 1. Basis of Preparation and accounting:

These financial statements are prepared in accordance with applicable accounting standards in India and the relevant presentational requirements of the Companies Act, 2013. The Financial Statements have also been prepared on a going concern basis under the historical cost convention on the accrual basis of accounting except otherwise stated, in conformity with the Generally Accepted Accounting Principles ("GAAP").

The operations of the Corporation are governed by the provisions of the Electricity Act, 2003 and various regulations and policies framed there under by the appropriate authorities. Accordingly, the Financial Statements have been prepared in terms thereof.

Accounting policy approved by the Board of the Corporation have been followed while preparing the Annual Accounts under AS-1 related to Disclosure of Accounting Policies.

#### 2. Inventories:

Inventories of stores and spares as at the end of the year are valued at cost.

#### 3. Fixed Assets:

Classifications of Fixed Assets are as per Transfer Scheme. Addition of assets has been booked under their natural head of classification. Capitalizations of assets are done on completion /commission of the asset. Block Registers showing categories of Assets, the amount of depreciation charged/ withdrawn, year wise in respect of the assets are maintained at Head Office. The Fixed Asset Register showing particulars including quantitative details and situation of fixed assets as on 31.03.2014 has already been prepared. The Fixed Assets are stated at actual cost less accumulated depreciation.

Conduction of Physical Verification of Fixed Assets have been handed over to M/s Pricewaterhouse Coopers Private Limited, Kolkata and they have submitted their report. Based on these reports the process of updating the Fixed Asset Register will be started.



#### 4. Classification of Assets and Liabilities:

All assets & liabilities of the corporation are segregated into current & non-current based on the principles and definitions set out in the Schedule III of the Companies Act, 2013 as amended.

#### 5. Capital work-in-progress:

All expenses incurred for acquiring, erecting and commissioning of fixed assets and incidental expenditure incurred during construction of the projects are shown under capital work-in-progress and are allocated to the fixed assets on the completion of the projects.

#### 6. Depreciation/Amortization:

Depreciation is provided as per Schedule II of the Companies Act 2013. Part 'B' of this schedule states that " The useful life or residual value of any specific asset, as notified for accounting purposes by a Regulatory Authority constituted under an Act of parliament or by the Central Government shall be applied in calculating the depreciation to be provided for such asset irrespective of the requirements of this Schedule". As such depreciation has been provided at the rates specified in Appendix to Assam Electricity Regulatory Commission (Terms and Conditions for determination of Tariff) Regulations, 2006 on Straight Line Method subject to a maximum of 90% of the original cost of the asset. Rates of depreciation are shown in the following table.

<u>Assets</u>	<u>Depreciation Rate</u>
Land Owned under full title	0.00%
Land held under lease	0.00%
APDRP Land	0.00%
Building containing transmission installations	1.80%
Office Building	1.80%
Temporary erections such as wooden structures	18.00%
APDRP building	1.80%
Other Buildings	1.80%
Cooling Water System	3.60%
Cooling Tower & Circulating Water System	3.60%
Sweet water arrangement including reservoirs, etc.	2.57%
Plant and Pipeline for water supply in residential colony	2.57%



## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Drainage & sweage residential colony	2.57%
Other Roads	1.80%
APDRP Other Civil Works	1.80%
Miscellaneous Civil Works	1.80%
Transformers	3.60%
Other plant & equipment	3.60%
Material handling equipment-earth movers, bulldozers	3.60%
Material handling equipment-cement mixers	3.60%
Material handling equipment-cranes	3.60%
Material handling equipment-others	3.60%
Switch-gear including cable connections	3.60%
Batteries including charging equipments	18.00%
Fabrication shop/work-shop Plant & Equipment	3.60%
Linghtning Arrestors (Pole Type)	6.00%
Linghtning Arrestors (Station Type)	3.60%
Communication Equipment-Radio & High Frequency carrier system	6.00%
Communication Equipment-Telephone Lines & Telephones	6.00%
Static machine tools & equipments	3.60%
Air Conditioning plant static	6.00%
Air Conditioning plant portable	18.00%
Meter testing laboratory tools & equipment	3.60%
Equipment in hospital/clinics	3.60%
Tools & Tackles	3.60%
Show-room equipment	3.60%
Other miscellaneous equipment	3.60%
Over-head lines(towers, poles, fixtures, overhead conductors & devices) - lines on fabricated steel supports operating at nominal voltages higher than 66KV	2.57%
Over-head lines(towers, poles, fixtures, overhead conductors & devices) - lines on fabricated steel supports operating at nominal voltages from 13.2 KV to 66 KV	3.60%
Over-head lines(towers, poles, fixtures, overhead conductors & devices) - lines on reinforced concrete supports/steel supports-11 KV and above	3.60%
Over-head lines(towers, poles, fixtures, overhead conductors & devices) - lines on treated wood supports	3.60%
Upgradation transmission & distribution network( 33 to 66)	3.60%
Under ground cables including joint boxes & discennecting boxes-11KV	2.57%
Under ground cables-cable duct systems	1.80%
Metering equipment	6.00%
Miscellaneous Equipments	3.60%
Trucks	18.00%
Jeeps, Trekkers & Motor Cars	18.00%



## ASSAM ELECTRICITY GRID CORPORATION LIMITED

Other Vehicles	18.00%
Furniture & Fixtures	6.00%
Electrical wiring, Light & Fan Installations	6.00%
Others	6.00%
Calculators	6.00%
Typewriters	6.00%
Cash Registers in Cash Offices	6.00%
Refrigerators & water coolers	6.00%
Telephone & EPABX	6.00%
Computers	6.00%
Other Office Equipment	6.00%

The Depreciation on addition of assets during the year has been calculated day wise. AS-6 related to Depreciation Accounting has been followed while calculating the depreciation.

### 7. Revenue Recognition:

Wheeling Charges of electric energy is accounted for on the basis of rates approved by the AERC i.e., annual fixed charge ₹ 537.92 Crore including SLDC Charge of ₹ 2.65 Crore. Out of total wheeling charges ₹ 154.92 Crore relates to BST Charge against past liability towards Pension Trust, but the actual BST Charge provided in the Annual Account as per calculation based on the energy handled is ₹ 151.42 Crore . AS-9 related to Revenue Recognition has been complied.

### 8. Employee Benefits:

Pursuant to the Transfer Scheme, the Government of Assam (GoA) vide its Notification No.PEL.190/2004/69 dated 4<sup>th</sup> February, 2005 notified a plan for meeting out the terminal benefit obligations of personnel so transferred from ASEB to successor entities. As per Clause 1.5 of the said notification, "Terminal Benefit" means the ASEB's employee related liabilities including payment of pension, gratuity, leave encashment and General Provident Fund and any other retirement benefits and other applicable benefits including right to appropriate revisions in the above benefits consistent with the practice that were prevalent in ASEB. Accounting for Retirement Benefits in the Financial Statements of Employers-Provision for Pension, Gratuity and Leave Salary Encashment have been provided as per actuarial valuation under AS-15.

(a) Funding for past-unfunded terminal liabilities shall be on the basis of actuarial valuation done as at 9th December 2004. In respect of cash outflows towards past-unfunded liabilities of existing employees, existing pensioners and existing family pensioners, funding pattern will be guided by the aforesaid Government notification.

**(b) Funding for future services-Terminal Benefits:**

The Corporation makes a provision for terminal benefits liability for future service of its permanent employees joining in the service before 01.01.2004 @ 23.31% of Basic plus Dearness Allowance as per AERC and in the line with the GoA's Notification mentioned above.

**(c) Leave Encashment benefit (LEB) of employees:**

Leave encashment benefits of the old employees are accounted for on cash basis and the claim for recovery of the appropriate share of such amount, i.e., share of past liability relating to period prior to 01.04.2005 is forwarded to the pension trust authorities as per GoA's Notification mentioned here-in-above.

**(d) GPF deductions/payments of employees:**

Payment on account of GPF (Final Withdrawal and Non-refundable advance) to the existing employees is being made from the GPF Account of the Corporation. Claim for recovery of appropriate share of such fund, i.e., share of past-unfunded liability is also forwarded to the Pension Trust authorities as per GoA Notification mentioned here in above.

Provision for interest payable on GPF is made @ 8.7% per annum on the opening balance and the average subscription of the employees during the year.

**(e) Terminal benefit for new employees (appointed on or after 1.1.2004):**

New pension Scheme is being implemented for the new employees of the Corporation as per Government of India Notification No.5/7/2003-ECB & PR dated 22.12.2003.

**9. Accounting for Government Grants:**

Government grants (both GoA and GoI) have been taken as promoter's contribution towards total capital outlay vide GoA's Notification No.PEL.133/2003/pt/463 dated 03.03.2009 and accounted as capital receipts and taken to Capital Reserves. As per the said notification, grants & subsidies towards creation of capital assets paid by the Government of Assam to ASEB and its successor Companies should be treated as promoter's contribution. Conversion of said grants and subsidies into Equity is on process.



**10. Segment Reporting:**

As the Corporation deals in single product and operates under the same economic environment and is not subject to different risk and return, segment reporting as per AS-17 is not required to be disclosed.

**11. Investments:**

Investment consists of Fixed Deposits with Banks. Investments are valued at cost.

**12. Taxes on Income:**

Current tax will be provided for on the taxable profits of the year at the applicable tax rates.

**13. Preliminary Expenses:**

Preliminary expenses are written off over a period of five years in equal installments from the year of commencement of operations.

**14. General Provident Fund:**

GPF liability is payable to an employee only after completion of 25 years of qualifying services. Accumulation of GPF is utilized as internal resources by the Corporation. As such GPF has been shown as unsecured loan.

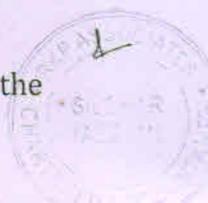
**15. Prior Period Items:**

Accounting of Prior period items have been done as per AS-5. Prior period items are income or expenses which arise in the current period as a result of errors or omissions in the preparation of the financial statements of one or more prior periods.

**16. AS-30** related to financial instruments: recognition and measurement is not applicable to the Corporation.

**17. BST Charge:**

BST charge payable to Pension Trust has been calculated @20 paisa per unit on the actual energy injected to APDCL.



## II. Notes on Accounts

The amounts in Financial Statements are presented in Indian Rupees and all figures have been rounded off to the nearest rupees lakh except when otherwise stated. The operations of the Corporation are governed by the provisions of the Electricity Act, 2003 and various regulations and policies framed there under by the appropriate authorities. The financial statements for the year ended 31st March 2016 are prepared as per Companies Act 2013. The previous year figures have also been reclassified/ regrouped/ rearranged wherever necessary.

### 1. SHARE CAPITAL

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
<b>Authorised Shares Capital</b>		
10000000 equity share of 100 each	10,000	10,000
<b>Issued, Subscribed and paid up</b>		
(i) 9993194 equity share of ₹100/- each fully paid up	9,993	9,993
(Previous year 9993194 equity share of ₹100/- each fully paid up)		
<b>Total</b>	<b>9,993</b>	<b>9,993</b>

1.1 9993194 (previous year 9993194) shares out of the issued, subscribed and paid up Shares Capital were allotted as fully paid up pursuant to transfer scheme without payment being received in cash.

### 1.2 The details of shareholders

(₹)

Name of the Shareholder	As at 31-03-2016		As at 31-03-2015	
	No	% Held	No	% Held
Government of Assam (G.O.A.)	99,93,194	100	99,93,194	100

### 1.3 The reconciliation of the number of shares outstanding is set out below

(₹)

Particulars	As at 31-03-2016	As at 31-03-2015
Equity shares at the beginning of the year	99,93,194	99,93,194
Add : Shares Issued during the year	-	-
Equity shares at the end of the year	99,93,194	99,93,194



## ASSAM ELECTRICITY GRID CORPORATION LIMITED

**2. RESERVES AND SURPLUS**

(₹ Lakh)		
Particulars	As at 31-03-2016	As at 31-03-2015
Capital Reserves	1,55,039	1,41,550
Other Reserve	7,196	6,215
<b>Profit &amp; Loss Account :</b>		
Profit (Loss) as per Last Balance Sheet	(24,246)	(16,191)
Profit (Loss) for the Year	(19,974)	(8,055)
	(44,220)	(24,246)
<b>Total</b>	<b>1,18,015</b>	<b>1,23,520</b>

(₹ Lakh)		
2.1 Capital Reserve Includes :-	<u>As at 31-03-2016</u>	<u>As at 31-03-2015</u>
(a) Grant From GoA	61,762	61,216
(b) Grant From ADB	91,030	80,334
(c) Grant From Central Government	2,247	-

## 2.2 Other Reserve Includes :-

Claim for recovery of appropriate share (87.69 %) of GPF as past unfunded liabilities receivable from Pension Trust as per GoA notification No. PEL. 190/2004/69 dated 04-02-05.

**3. SHARE APPLICATION MONEY PENDING ALLOTMENT**

(₹ Lakh)		
Particulars	As at 31-03-2016	As at 31-03-2015
Part of Share Capital of Assam State Electricity Board apportioned to the company vide transfer scheme as per notification of the Government of Assam dated 16-08-2005 which is pending allotment	-	-
<b>Total</b>	<b>-</b>	<b>-</b>



**4. LONG TERM BORROWING**

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
<b>SECURED :</b>		
Short Term Working Capital	1,000	
<b>Sub-Total</b>	<b>1,000</b>	<b>-</b>
<b>UNSECURED :</b>		
Loans from ADB	8,939	7,751
State Govt. Loan	35,437	31,467
General Provident Fund	6,389	5,982
<b>Sub-Total</b>	<b>50,765</b>	<b>45,200</b>
<b>Total</b>	<b>51,765</b>	<b>45,200</b>

4.1 Loan from State Govt. includes ₹ 31, 23, 56,042 /- as Repayment Due.

**5. LONG TERM PROVISION**

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
<b>Provision For Employee Benefits :</b>		
Liability towards Pension Trust	19,150	18,358
<b>Others :</b>		
Provision for doubtful loans and advances	-	-
<b>Total</b>	<b>19,150</b>	<b>18,358</b>

5.1 Liability towards Pension Trust includes 23.31% of Pay plus DA of the permanent employees of AEGCL (excluding those who joined services on or after 01.01.04) for the FY 2015-16 for terminal benefits liability for future service as per AERC and GoA's notification No.PEL.190/2004/69 dated 04.02.2005 and Board's approval no. 23 dated 15.03.2013.

5.2 Liability towards Pension Trust includes ₹ 151, 42, 48,000 /- being BST charge payable to Pension Trust during 2015-16.



**6. SHORT TERM BORROWINGS**

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
<b>SECURED :</b>		
Bank Overdraft Account	-	350
<b>UNSECURED :</b>		
<b>Total</b>	<b>-</b>	<b>350</b>

**7. TRADE PAYABLE**

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
<b><u>Micro, Small And Medium Enterprises</u></b>	-	-
<b><u>Others</u></b>		
Wheeling Charges Payable to PGCIL	17,228	3,868
Liability Towards APDCL	16,914	16,915
<b>Total</b>	<b>34,142</b>	<b>20,783</b>



**8. OTHER CURRENT LIABILITIES**

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
Interest accrued and due	28,697	23,349
<b>Other Payables</b>		
Liabilities for Capital supplies/works	228	770
Liabilities for O&M supplies/works	1,294	1,314
Unpaid salaries, wages, bonus, etc	6	6
Salaries, wages, bonus, etc., payable	2,688	1,857
Staff deduction and recovery payable	475	554
Deposits and retention from suppliers and contractors	5,513	4,127
Other Liabilities	9,260	6,017
Advance from APGCL	33	39
Advance For Terminal Benefits	-	-
<b>Total</b>	<b>48,194</b>	<b>38,033</b>

**8.1 Interest accrued and due includes :**

	As at 31-03- 2016	As at 31-03- 2015
(i) Interest accrued and due on SG Loan (ADB)	4,152	3,275
(ii) Interest accrued and due on State Govt. Loan	24,532	20,074
(iii) Interest accrued and due on borrowings for Working Capital	13	-

**9. SHORT TERM PROVISION**

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
<b>Provision For Employee Benefits</b>		
Staff related provision	401	279
<b>Others</b>		
Provision for Liability for Expenses	3,234	3,608
Minimum Alternate Tax	-	-
Provision for Income Tax	-	-
<b>Total</b>	<b>3,636</b>	<b>3,887</b>

9.1 Staff related provision includes provision for bonus of ₹ 12, 00,000 /-. Provision for bonus has been made on the basis of expenditure of the previous year.

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

## 10. FIXED ASSETS

(₹ Lakh)

Description	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at 1.4.2015	Additions/ Deletions during the year	As at 31.3.2016	As at 1.4.2015	Depreciation for the year	As at 31.3.2016	As at 31.3.2016	As at 31.3.2015
TANGIBLE ASSETS								
OWN ASSETS								
Land & Rights	2,143	770	2,913	-	-	-	2,913	2,143
Building	2,240	508	2,748	1,584	52	1,636	1,112	655
Hydraulic	264	-	264	251	-	251	13	13
Other Civil Works	1,062	4,673	5,735	135	156	291	5,444	927
Plant & Machinery	58,846	11,844	70,690	26,851	2,845	29,696	40,994	31,994
Lines & Cable Network	69,101	1,983	71,084	61,277	1,089	62,366	8,718	7,823
Vehicles	425	15	440	398	1	399	41	27
Furniture & Fixtures	291	68	359	241	20	261	98	50
Office Equipment	208	18	226	152	13	165	61	56
Total	1,34,580	19,879	1,54,459	90,889	4,176	95,065	59,394	43,690
CAPITAL WORK IN PROGRESS							92,172	85,657

## 10.1

(i) In the absence of shift log book for Plant & Machinery, depreciation on Plant & Machinery has been charged on continued process plant basis.

(ii) On fixed assets acquired during the year depreciation is charged on 'Put to Use'.

(iii) Addition of Fixed Assets during the FY 2015-16 includes ₹ 108,40,87,377 /- related to prior periods.

(iv) Addition of Depreciation during the FY 2015-16 includes ₹ 4, 93, 72,829 /- related to prior periods.

## 10.2

Capital Work In Progress Includes :-	As at 31-03-2016	As at 31-03-2015
(a) Capital works in progress	91,503	84,468
(b) Advance to suppliers/contractors (Capital)	669	1,189



**11. NON CURRENT INVESTMENT**

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
Trade Investment	5,348	5,348
Other Investments	-	-
<b>Total</b>	<b>5,348</b>	<b>5,348</b>

11.1 Investment in M/s. North East Transmission Company Ltd. as on 31.03.2016 is ₹ 53,48,20,000 /- (5,34,82,000 Equity Shares of ₹10 each) against 13% Equity Share.

**12. OTHER NON CURRENT ASSETS**

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
<b>Long Term Trade Receivable</b>		
Unsecured Considered Good	-	-
<b>Others</b>		
Deferred Cost	-	-
Exp. On Surveys/Feasibility Studies	3	1
<b>Total</b>	<b>3</b>	<b>1</b>

**13. CURRENT INVESTMENT**

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
Investment in Equity Instruments	-	-
Investment in Liquid Funds	-	-
Other Investment	-	-
<b>Total</b>	<b>-</b>	<b>-</b>



## ASSAM ELECTRICITY GRID CORPORATION LIMITED

**14. INVENTORIES**

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
1. Capital Materials Stock A/c	2,078	2,127
2. O&M Materials Stock A/c	942	1,210
3. Other Material Account	309	308
4. Material Stock-Excess/Shortage Pending Investigation – Capital	35	35
<b>Gross Total</b>	<b>3,364</b>	<b>3,680</b>
Less Provision Against Stock	1,560	1,560
<b>Net Total</b>	<b>1,804</b>	<b>2,119</b>

14.1 There is a difference of ₹ 4.59 crore between book figure of stocks and physical verification report of stocks as on 31.03.2016 which is in the process of reconciliation.

**15. TRADE RECEIVABLES**

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
(Unsecured & Considered Good)		
Over Six Months	-	-
Others		
Receivables against Transmission Charges From-APDCL	71,784	63,258
<b>Total</b>	<b>71,784</b>	<b>63,258</b>

**16. CASH & CASH EQUIVALENTS**

(₹ Lakh)

Particulars	As at 31-03-2016	As at 31-03-2015
Balances With Bank	5,456	865
Cash In Hand	122	122
Fixed Deposits With Banks	20,474	31,584
<b>Total</b>	<b>26,052</b>	<b>32,571</b>

- 16.1 Balances with bank include closing bank balance of HQ as well as of all field units along with the fund in transit.
- 16.2 Cash in Hand includes closing cash balance of HQ as well as of all field units along with imprest with staff.
- 16.3 Fixed Deposits with Banks includes closing balance of fixed deposit at various banks.

(₹ Lakh)

	<u>As at 31-03-2016</u>	<u>As at 31-03-2015</u>
STDRs managed by AEGCL ( Principal Account)	13,556	17,632
STDRs managed by AEGCL-NERPSIP	3	-
STDRs managed by NPS Cell, AEGCL	73	240
STDRs managed by CPF-I, AEGCL	6,843	13,713
<b>Total</b>	<b>20,474</b>	<b>31,584</b>

**17. SHORT TERM LOANS & ADVANCES**

Particulars	(₹ Lakh)	
	As at 31-03-2016	As at 31-03-2015
<b>(Unsecured &amp; Considered Good)</b>		
Advances for O&M supplies/works	1,706	1,663
Loans and Advances to staff	59	51
Advance Income Tax	1,005	1,005
Amount receivable from Employees/Ex-Employees	4	-
Advances to APDCL	1	1
Others	4	4
Advances for GPF	-	-
<b>Total</b>	<b>2,779</b>	<b>2,724</b>

**18. OTHER CURRENT ASSETS**

Particulars	(₹ Lakh)	
	As at 31-03-2016	As at 31-03-2015
Income Accrued but not Due	1,220	2,332
Inter Unit A/c-Materials	455	246
Inter Unit A/c-Capital Expenditure & Fixed Assets	-	-
Inter Unit A/c-Personnel	-	-
Inter Unit A/c-Opening Balance	-	-
Inter Unit A/c-Other Transaction/Adjustments	114	10
Receivable From Pension Trust	11,344	8,640
Receivable From APDCL	10,525	10,696
Receivable From APGCL	2	2
Misc. Receivables	1,245	2,303
Receivable from Income Tax Authority	653	527
<b>Total</b>	<b>25,559</b>	<b>24,756</b>

18.1 As per GoA's notification No. PEL. 190/2004/69 dated 4<sup>th</sup> February, 2005, the unfunded past liability on account of GPF and LEB will be funded through the cash streams as mentioned therein and the existing Pension Trust of ASEB will be the common trust for all the new companies. In terms of the said notification, ₹ 22, 54, 45,189 /- being unfunded past liability towards GPF and LEB paid during the year has been claimed from Pension Trust out of which an amount of ₹ 9,80,49,450/- relating to GPF has been transferred to Other Reserve.

18.2 Inter Unit Accounts include Inter Unit A/c-Materials of ₹ 455/- lakh, which is in the process of reconciliation.

18.3 Receivable from Income Tax Department includes Interest on Fixed Deposits deducted by Banks as TDS during FY 2015-16.

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

**19. REVENUE FROM OPERATIONS**

(₹ Lakh)

Particulars	Year ended 31-03-2016	Year ended 31-03-2015
Wheeling Charges (Transmission Charges) From APDCL	53,792	46,252
<b>Total</b>	<b>53,792</b>	<b>46,252</b>

19.1 Revenue from Wheeling Charge of ₹ 537, 92, 00,000 /- including SLDC Charge of ₹ 2,65,00,000 /- as approved by the AERC was billed to APDCL.

19.2 The quantitative details of electrical energy transacted by the Corporation during the FY 2015-16 along with previous year were as follows:

Particulars	Energy Handled (in MU)	
	2015-16	2014-15
Power available at AEGCL periphery	7857.25	7232.82
<u>Power injected to DISCOM :</u>		
APDCL	7571.24	6955.08
Transmission Loss in AEGCL Network	286.01	277.74
Percentage of Transmission Loss	3.64	3.84

**20. OTHER INCOME**

(₹ Lakh)

Particulars	Year ended 31-03-2016	Year ended 31-03-2015
<b>Interest</b>		
Interest on investment in the form of Fixed Deposits with Banks	1,891	3,407
Interest on Investments in any other Investments	-	15
Interest from Banks	62	90
<b>Dividend</b>		
Dividend from Investment in liquid fund	-	1,070
<b>Net Gain on Sale of Investment</b>		
Short Term Capital Gain from liquid fund	-	-
Long Term Capital Gain from liquid fund	-	-
<b>Others</b>		
Rebate received from PGCIL	243	411
Profit on sale of fixed assets	-	-
Hire Charges from contractors	12	19
Sale of scrap	-	27
Misc. receipts	6,319	4,128
Rentals from staff quarters	22	58
Income from Investment	51	99
<b>Total</b>	<b>8,599</b>	<b>9,324</b>

**21. EMPLOYEE BENEFITS EXPENSE**

(₹ Lakh)

Particulars	Year ended 31-03-2016	Year ended 31-03-2015
Salaries and Wages	10,951	10,698
Contribution to Provident and Other Funds	1,861	1,871
Payment of ex-gratia	1	1
Payment of Gratuity	122	267
Other Employee Costs	236	149
Staff Welfare Expenses	14	20
<b>Total</b>	<b>13,186</b>	<b>13,006</b>

21.1 Contribution to Provident and Other Funds include 23.31% of Basic Pay and DA of employees who joined in service prior to 01-01-2004, which has been paid to the ASEB Employees Pension Fund Investment Trust and 10% of Basic Pay and DA of employees who are covered under New Pension Scheme. Payment of Gratuity includes provision for gratuity of employees who are covered under New Pension Scheme.

**22. FINANCE COSTS**

(₹ Lakh)

Particulars	Year ended 31-03-2016	Year ended 31- 03-2015
Interest Expenses	3,886	3,077
Other Borrowing Costs	11	13
<b>Total</b>	<b>3,897</b>	<b>3,090</b>

22.1

Interest on State Govt. Loan	3,580	3,151
Interest on ADB Loan	-	-
Interest on borrowings for Working Capital	13	-
Interest on GPF	515	495
Penal Interest	865	694
<b>Sub-Total</b>	<b>4,973</b>	<b>4,340</b>
Less Interest Capitalised	1,086	1,263
<b>Total</b>	<b>3,886</b>	<b>3,077</b>

Interest on ADB Loan of ₹ 8, 77, 50,524 /- during 2015-16 has been fully capitalised.

22.2 Other Borrowing Costs include interest on Employees' and Employer's contribution to NPS and Bank Charges.

**23. DEPRECIATION AND AMORTIZATION EXPENSES**

(₹ Lakh)

Particulars	Year ended 31-03-2016	Year ended 31-03-2015
Depreciation on Building	48	41
Depreciation on Hydraulic Works	-	5
Depreciation on Other Civil Works	94	15
Depreciation on Plant & Machinery	2,547	3,092
Depreciation on Lines , Cables Network	960	3,660
Depreciation on Vehicles	1	32
Depreciation on Furniture, Fixtures, etc.	19	16
Depreciation on Office Equipments	13	24
<b>Total</b>	<b>3,682</b>	<b>6,885</b>



## ASSAM ELECTRICITY GRID CORPORATION LIMITED

24. OTHER EXPENSES

(₹ Lakh)

Particulars	Year ended 31-03-2016	Year ended 31-03-2015
<b>Repairs And Maintenance Expenses :</b>		
Repair and Maintenance of Plant & Machinery	702	829
Repair and Maintenance of Building	165	116
Repair and Maintenance of Other Civil Works	82	71
Repair and Maintenance of Lines, Cable Net Works, etc	143	178
<b>Transmission Charge To PGCIL</b>	44,143	26,842
<b>Establishment Expenses :</b>		
Rent, Rates and Taxes	69	89
Insurance	8	9
Telephone Charges	26	18
Postage, Telegram & Tele Charges	3	4
Audit Fees	4	4
Consultancy fees and expenses	27	1
Legal Charges	6	3
Technical fees and other professional fees and expenses	7	38
Fees including TA & DA for non official member of the Board	-	-
Conveyance and Travel	133	123
Fees & Subscription	87	32
Book and Periodicals	3	6
Printing and Stationery	20	20
Advertisement, Contributions	79	27
Hiring of Vehicles	116	100
Electricity Charges	67	42
Water Charges	-	1
Entertainments	16	3
Participation fees paid for Training/Conference	-	1
Training of Staff and Officers	34	3
Misc. Expenses	29	13
Freight	-	-
Other Purchase related expenses	6	6
Other Miscellaneous Expenses	3	-
Repair and Maintenance of Vehicles	13	13
Repair and Maintenance of Furniture and Fixtures	9	5
Repair and Maintenance of Office Equipment	41	22
<b>Other Debits To Revenue :</b>		
Miscellaneous losses written off	19	126
Write-off of deferred revenue expenditure	-	-
<b>Assets De-Commissioning Costs :</b>		
Transmission lines/sub-stations de-commissioning costs	-	-
<b>Bulk Supply Tariff :</b>		
Bulk Supply Tariff	15,142	13,910
<b>Prior Period Charges / (Credits)</b>		
Net Prior Period Charges/(Credits)	398	(2,004)
<b>Total</b>	<b>61,600</b>	<b>40,650</b>

## ASSAM ELECTRICITY GRID CORPORATION LIMITED

	Year ended <u>31-03-2016</u>	(₹ Lakh) Year ended <u>31-03-2015</u>
<b>24.1 <u>Prior Period Item Includes</u></b>		
<b><u>Prior Period Expenses and Losses :</u></b>		
Transformer Oil related expenses/losses relating to prior period	-	-
Employee costs relating to prior periods	73	40
Depreciation under provided in prior periods	494	160
Other Expenses relating to Prior Period	167	105
Interest and other finance charges relating to prior periods	14	529
<b><u>Prior Period Income :</u></b>		
Other income relating to prior periods	75	2,452
Other excess provision in prior periods	-	-
Excess provision for depreciation in prior periods	-	73
Interest income for prior period	274	312

24.2 Audit fee of ₹ 4,30,020 /- includes the following :

As Statutory Audit Fees	₹ 2,76,000 /-
(Service Tax)	₹ 40,020 /-
	₹ 3,16,020 /-
Tax Audit Fees	₹ 20,000 /-
Fees for Cost Auditors	₹ 44,000 /-
(Out of Pocket Expenses)	₹ 50,000 /-



**25. EARNINGS PER SHARE (EPS)**

(₹ Lakh)

Particulars	Year ended 31-03-2016	Year ended 31-03-2015
Net Profit After Tax as per Statement of Profit & Loss	(19,974)	(8,055)
Number of Equity Shares	99,93,194	99,93,194
Earnings Per Share (In ₹)	(200)	(81)
Face Value per Equity Share (In ₹)	100	100

**26. RELATED PARTY DISCLOSURE:-****1. Related Party and his relationship : Key Management Personnel**

G.K. Das Managing Director  
(W.e.f. 01.04.2015 to 31.03.2016)

**2. Disclosure of transactions between the Corporation and the related parties and status of outstanding balances :**

Particulars	Amount
(a) Salary/Remuneration	₹ 15,58,002/-
(b) Travelling Allowance	₹ 83,803/-
(c) Outstanding balances	Nil

27. Assets other than vehicles are not insured. Vehicles are also insured only for liabilities that may arise towards third parties.

28. Accounts in respect of Medical Expenses Reimbursement, Leave Travel Concession, Earned Leave Encashment, Telephone Charges, Electricity Charges, and Water Charges are maintained on accrual basis.

29. The internal audit of the Corporation's field units are being carried out by its own audit staff. The internal audit staff conducts internal audit of various field offices as well as head quarter. Reports are placed with MD, AEGCL and CGM (F&A), AEGCL. Any serious matter is discussed in Audit Committee of the Corporation.

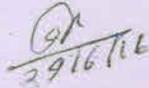
## ASSAM ELECTRICITY GRID CORPORATION LIMITED

30. In exercise of the powers conferred by section 148 of Companies Act, 2013, the Board of Directors of the Corporation had re-appointed M/s Sanjib Das & Associates as the Cost Auditors of the Corporation for the FY 2015-16. The Corporation in the meantime has been able to maintain preliminary cost records.

For and on behalf of the Board



(G.K. Das)  
Managing Director

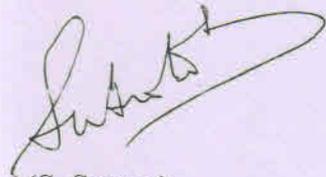


(S.N. Kalita)  
CGM (F&A)



(CA. RAVI K. PATWA)  
PARTNER  
MRN : 058409  
FRN : 322473E

5<sup>th</sup> of Oct. 2016



(S. Sarma)  
Director



(D. Barua)  
Company Secretary

# Assam Electricity Grid Corporation Ltd.

## Annexure - C

### Transmission and SLDC Charges

Sr. No.	Particulars	FY 2016-17	FY 2017-18	FY 2018-19
(a)	Total Aggregate Revenue Requirement (Rs. Crore)	1047.12	1585.27	1588.40
(b)	Anticipated Transmission (MU)	9057.00	10998.00	13066.00
(c)	Transmission Loss (%)	3.54	3.49	3.44
(d)	Average Transmission Charge (Rs./unit) [(a)/((b)*10)]	1.16	1.44	1.22
(e)	Transmission Charge For Long Term Open Access consumer (Rs/kW/month)	593.20	898.10	899.84
(f)	Transmission Charge For Short Term Open Access consumer (Rs/MW/day)	19502.53	29525.53	29583.83
(g)	SLDC charge Rs./MW/day	44.14	48.42	53.64