

[C.S.P.T.C.L.]

**Provisional True-up of ARR for FY 2016-17
&
Determination of Transmission Tariff
For FY 2018-19**

**Submitted to
Chhattisgarh State Electricity Regulatory Commission**

December 2017

**CHHATTISGARH STATE POWER TRANSMISSION COMPANY LIMITED,
RAIPUR**

(A Government of Chhattisgarh Undertaking)

Regd. Office- Vidyut Sewa Bhawan, Dangania, Raipur – 492 013

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CHHATTISGARH STATE POWER TRANSMISSION COMPANY LIMITED, RAIPUR
(A Government of Chhattisgarh Undertaking)

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Tel. 0771-2574831, Fax. 0771-2574698

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Ref:

Dated:

To,

The Secretary,

Chhattisgarh State Electricity Regulatory Commission,

Irrigation Colony, Shanti Nagar,

Raipur, Chhattisgarh - 492 001

Dear Sir,

Sub: **Submission of petition for Provisional True-up of ARR for FY 2016-17 and application for determination of Transmission Tariff and fees and charges for FY 2018-19**

In exercise of its powers conferred under section 61 of the Electricity Act, 2003, the Hon'ble Commission has issued the CSERC (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2015 for the MYT control period from FY 2016-17 to FY 2020-21.

In compliance, CSPTCL is herewith submitting the petition for approval of Provisional True-up of FY 2016-17 as per CSERC (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2015 and determination of transmission tariff for FY 2018-19 for consideration and approval of the Hon'ble Commission. The following documents are enclosed herewith for the kind perusal and approval by the Hon'ble Commission:

1. Formal Petition, Formats and Affidavit verifying the petition along with authorization.
2. Petition Fee of Rs. **5,00,000** (Rupees Five Lacs only) in terms of Cheque no.
Dated **XX** December 2017 drawn on State Bank of India, Raipur Main Branch.

We request the Hon'ble Commission to kindly admit the aforesaid petition and proceed further in the matter at the earliest. We would also request the Hon'ble Commission to kindly provide us an opportunity of personal hearing to further clarify/explain our submissions in the enclosed petition.

Yours Faithfully,

For Chhattisgarh State Power Transmission Company Limited, Raipur
(Authorized Signatory)

Executive Director (Commercial and Planning)

Enclosed: As above

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**BEFORE THE CHHATTISGARH STATE ELECTRICITY REGULATORY
COMMISSION, RAIPUR**

Filing No _____

Case No _____

IN THE MATTER OF: Filing of the Petition for approval of Provisional True-up of
ARR for FY 2016-17 and application for determination of
Transmission Tariff and fees and charges for FY 2018-19
under Section 62 and 64 of the Electricity Act, 2003

AND

IN THE MATTER OF: Chhattisgarh State Power Transmission Company Limited
(hereinafter referred as “CSPTCL” or “the Petitioner” or
Applicant)

The Applicant respectfully submits as under: -

1. The Petitioner is a transmission licensee in the areas as notified by the Government of Chhattisgarh (GoCG) under the CSEB Transfer Scheme Rules, 2010.
2. The Petitioner submits that the Hon’ble Commission has issued the following regulations namely, CSERC (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2015 for the MYT control period from FY 2016-17 to FY 2020-21 (hereinafter referred to as “**MYT Regulations, 2015**”).
3. The said regulations are applicable to power generating stations, transmission system, SLDC and distribution system where tariff for generation, transmission, SLDC, retail or wheeling is not determined under section 63 of the Electricity Act 2003 through transparent process of competitive bidding in accordance with the guidelines issued by the Central Government.
4. The Petitioner is accordingly filing this petition for approval of provisional true-up of ARR for FY 2016-17 and application for determination of transmission tariff and fees and charges for FY 2018-19.
5. As per the MYT Regulations 2015, November 30th of the current year is the last date for filing of the true-up of the previous year and transmission tariff and fees and charges for the ensuing year before the Hon’ble Commission.
6. CSPTCL accordingly submits that the present petition is being filed within the above provisions of MYT Regulations 2015.

Date:

Petitioner
Executive Director (Commercial & Planning)
CSPTCL, Raipur.

NOTES AND ABBREVIATIONS

In this Petition:

- ✓ *Third Control Period is defined as Financial Year 2016-17, 2017-18, 2018-19, 2019-20 & 2020-21, herein referred to as FY 17, FY 18, FY 19, FY 20 and FY 21.*
- ✓ *Ensuing Year is defined as Financial Year 2018-19 or FY 19*
- ✓ *Current Year is defined as Financial Year 2017-18 or FY 18*
- ✓ *Previous Year is defined as Financial Year 2016-17 or FY 17*
- ✓ *All currency figures used in this Petition, unless specifically stated otherwise, are in Rs. Crores.*

Abbreviation	Full Description
APR	Annual Performance Review
ARR	Aggregate Revenue Requirement
ATE	Appellate Tribunal for Electricity
CERC	Central Electricity Regulatory Commission
PGCIL	Power Grid Corporation India Limited
CGS	Central Generating Stations
Ckt - kms	Circuit Kilometres
Co-gen	Cogeneration Power Plant
CPP	Captive Power Plant
CSEB	Chhattisgarh State Electricity Board
CSERC	Chhattisgarh State Electricity Regulatory Commission
CSPDCL	Chhattisgarh State Power Distribution Company Limited
CSPGCL	Chhattisgarh State Power Generation Company Limited
CSPTCL	Chhattisgarh State Power Transmission Company Limited
CSPTdCL	Chhattisgarh State Power Trading Company Limited
EA - 2003	The Electricity Act 2003
FY	Financial Year
GoCG	Government of Chhattisgarh
GoI	Government of India
HT	High Tension
HV	High Voltage
IDC	Interest During Construction
IPP	Independent Power Project

Abbreviation	Full Description
kV	Kilo Volt
LT	Low Tension
LV	Low Voltage
MoP	Ministry of Power, Government of India
MU	Million Units
PLR	Prime lending rate
GFA	Gross Fixed Assets
MYT	Multi Year Tariff
NCE / NCES	Non-Conventional Energy Sources
SEB	State Electricity Board
SGS	State Generating Stations
S/s	Sub-Station
TO	Tariff Order
SLDC	State Load Dispatch Centre
SOC, MOC	System Operation Charges, Market Operation Charges
STOA	Short Term Open Access
WRPC	Western Region Power Committee

1: BACKGROUND

- 1.1 Chhattisgarh State Electricity Board (CSEB) was a part of the erstwhile Madhya Pradesh Electricity Board (MPEB) till 2000. It became a separate entity with the formation of the State of Chhattisgarh. The board functioned as unified entity till December 2008 when the State Government notified a transfer scheme for unbundling it. The transfer scheme resulted in the formation of five successor entities for undertaking the functions of the erstwhile board. Chhattisgarh State Power Transmission Company Limited (CSPTCL) is one of the five successor entities, formed for undertaking the 'Transmission Function' of CSEB. CSPTCL started its operations on 1st January 2009.
- 1.2 The Hon'ble Commission by exercising its powers conferred under Section 61 and 62 read with Section 181(2) and Section 32 (3) of the Electricity Act 2003 has issued CSERC (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2015 for the MYT Control Period from FY 2016-17 to FY 2020-21.
- 1.3 It is submitted that the provisional true-up of ARR for FY 2016-17 is being filed in accordance with the provisions of MYT Regulations, 2015 and the provisional accounts for FY 2016-17.
- 1.4 Further, the Hon'ble Commission in its MYT Regulations, 2015 has directed the licensees to file true up and determination of revenue gap/surplus for the ensuing year. The relevant clauses of MYT Regulations 2015 are reproduced below;

As per clause 10.2 & 10.3 –

"10.2 The STU/transmission licensee shall file application for truing up of the previous year and determination of revenue gap/surplus for the ensuing year, within the time limit specified in these Regulations. Provided that the generating company or STU/transmission licensee or distribution licensee or SLDC, as the case may be, shall submit to the Commission information in such form as may be prescribed by the Commission, together with the Audited Accounts duly certified by the Auditor, extracts of books of account and such other details as the Commission may require to assess the reasons for and extent of any variation in financial performance from the approved forecast of Aggregate Revenue Requirement and expected revenue from tariff and charges.

10.3 In case the audited accounts are not available, the provisional truing up shall be done on the basis of un-audited / provisional account and shall be subject to further final truing up, as soon as the audited accounts are available."

- 1.5 In accordance with the above, the provisional true-up of ARR for FY 2016-17 and determination of transmission tariff for FY 2018-19 for CSPTCL is being filed before the Hon'ble Commission.

2: REGULATORY REQUIREMENT OF FILING OF THIS TARIFF PETITION

Regulations

2.1 This petition has been based on the following regulations notified by the Chhattisgarh State Electricity Regulatory Commission (CSERC):

- I. CSERC (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2015 - Applicable for Control Period from FY 2016-17 to FY 2020-21;*

2.2 The MYT Regulations, 2015 have been referred to for provisional truing-up of ARR for FY 2016-17 and determination of transmission tariff for FY 2018-19.

Multi Year Tariff (MYT) Order

2.3 The Commission had issued the Multi Year Tariff (MYT) order for 3rd MYT Control Period from FY 2016-17 to FY 2020-21 on 30th April 2016 and the provisional true-up of ARR for FY 2016-17 has been carried out by comparing actual performance with the values as approved in this tariff order;

2.4 There were certain instructions/advices/directions issued by the Commission in the above MYT Order dated 30th April 2016 and later in the true-up order for FY 2015-16 dated 31st March 2017. CSPTCL has made its best efforts to ensure compliance to these instructions/advices/directions issued by the Commission and has structured its current petition accordingly to capture the maximum information as desired by the Commission from time to time.

3: METHODOLOGY ADOPTED IN FILING OF THIS PETITION (INCLUDING CONSTRAINTS)

Methodology

- 3.1 CSPTCL is now submitting the provisional true-up of ARR for FY 2016-17 on the basis of the available provisional accounts. It consists of details of actual expenditures made by CSPTCL and details of revenue received leading to actual revenue gap incurred from April 2016 to March 2017. The provisional true-up of CSPTCL for FY 2016-17 is also a measure of accounting gains/losses and expenditures incurred in carrying out the electricity transmission business during FY 2016-17. The Petitioner has proposed the provisional true-up of ARR for FY 2016-17 and determination of transmission tariff for FY 2018-19 as per the provisions of the applicable rules and regulations. The Petitioner humbly requests the Hon'ble Commission to approve the provisional true-up of ARR for FY 2016-17 and determination of transmission tariff for FY 2018-19 as submitted.
- 3.2 The present provisional true-up of ARR for FY 2016-17 is being filed based on the provisional accounts and the data as available with CSPTCL. The same would be adjusted/revised based on the audited accounts, if made available during the course of scrutiny of the petition or as and when available.
- 3.3 In accordance with the applicable regulations, expenses and income have been considered while carrying out the provisional true-up of ARR for FY 2016-17.

4: PROVISIONAL TRUE-UP OF ARR FOR FY 2016-17

Contents of this Petition

- 4.1 This petition has in detail, the provisional true-up of ARR for FY 2016-17. The following section explains in detail the following elements for FY 2016-17:
- 4.2 Determination of Aggregate Revenue Requirement by validating the actual figures taken from the audited accounts of the following costs, other income & returns:
- i. Employee Cost
 - ii. Repairs & Maintenance Cost
 - iii. Administrative & General Expenses
 - iv. Contribution to Pension & Gratuity Fund
 - v. Interest Cost
 - vi. Interest on Working Capital
 - vii. Depreciation
 - viii. Return on Equity
 - ix. Net Prior Period Expenses/(Credit)/Other Debits
 - x. Non-Tariff Income

Technical Parameters

- 4.3 CSPTCL would like to submit that the physical status of transmission system as on 31st March 2017 (including the details of transmission lines, number of substations and their capacity) is as follows:

Table 1: Overview of Transmission Lines as on 31st March 2017

Sr. No	Particulars	Transmission Lines (Circuit Km.) till 31.03.2016	Addition in FY 2016-17	Total Transmission Lines (Circuit Km.)
1.	400 kV lines	1827.06	88.46	1915.52
2.	220 kV lines	3431.49	47.02	3478.51

Sr. No	Particulars	Transmission Lines (Circuit Km.) till 31.03.2016	Addition in FY 2016-17	Total Transmission Lines (Circuit Km.)
3.	132 kV lines	5688.92	64.46	5753.38
4.	Total Transmission Lines*	10947.47	199.94	11147.41

Table 2: Overview of Transmission Substations as on 31st March 2017

Sr. No	Particulars	No. of Substations till 31.03.2016	Addition in FY 2016-17	Total No. of Substations	Power Transformer Capacity (MVA)
1.	400 kV	2	0	2	1575
2.	220 kV	20	0	20	6350
3.	132 kV	71	2	73	6576
4.	Total No. of Substations*	93	2	95	14501

Note - * This does not include 360 km. +/- 100 KV HVDC and one no. of HVDC substation

Transmission Loss

4.4 In general, major factors contributing to transmission losses in any transmission system are:

- Increase in energy demand on account of increased consumption of the State as well as increase in number and quantum of short term open access customers;
- Change in the spatial distribution in the load within the State;
- Change in the quality of load (i.e. change in power factor due to changes in the demand pattern in the state), load cycle, operating temperature and frequency of the system.

4.5 Though these factors are beyond control of CSPTCL, it is making continuous efforts to reduce transmission losses by installation of capacitor banks of optimum capacity, double circuiting of EHV lines and taking up other system improvement works, wherever required and also by construction of new EHV sub-stations & lines with the approval of the Hon'ble Commission.

4.6 CSPTCL would like to submit that on the basis of the actual reading of the energy meters installed at the various points of the state's periphery, the actual transmission loss for FY 2016-17 was 2.81% as against the approved loss of 3.22% for FY 2016-17 in the MYT order dated 30th April 2016. The detailed computation of the same has been provided below:

Table 3: Transmission Loss for FY 2016-17

Sr. No	Particulars	FY 2016-17
1	State Generation Ex-Bus at 132 KV and above (MU)	16,712.97
2a	Import from CTU Grid at CG Periphery at 132 kV and above (MU)	15,777.58
2b	Export to CTU Grid at CG Periphery at 132 kV and above (MU)	10,689.26
2	Net Drawl from CTU Grid at CG Periphery at 132 kV and above (MU)	5,088.33
3	IPPs/CPP Injection in CSPTCL System at 132 KV & above (MU)	1,481.31
4	Total Injection at State Grid of STU (MU) (1+2+3)	23,282.61
5	EHV Sales from Sub Station (MU)	2,387.85
6	Net Output to DISCOM (MU)	20,240.04
7	Total Output from CSPTCL System (MU) (5+6)	22,627.89
8	Transmission Loss (MU) (4-7)	654.72
9	Transmission Loss (%) (9 =8/4*100)	2.81%

4.7 The monthly consumption in MU from April 2016 to March 2017 for the heads shown in the table above for actual injection of power in MU by generators (CGS, SGS, CPP's/IPP's), EHV Sales on Account of CSPDCL, JMR Readings, Transmission Loss details etc. are also provided in **Annexure 2 to Annexure 7**.

4.8 CSPTCL requests the Hon'ble Commission to kindly consider the actual transmission loss of 2.81% for FY 2016-17.

Transmission System Availability Factor (TSAF)

4.9 CSPTCL would like to submit that continuing its legacy of better performance, it has achieved Transmission System Availability Factor (TSAF) of 99.93% as shown below:-

Table 4: Monthly Transmission System Availability Factor (TSAF) for FY 2016-17

Sr. No	Month	AFM in %		
		132 kV	220 kV	400 kV
1	April -16	99.8473112	99.9691076	99.9838494
2	May-16	99.9461461	99.9854656	99.9718853
3	June- 16	99.6287592	99.7654147	99.8696965
4	July- 16	99.9397319	99.8938142	99.9086512
5	Aug- 16	99.9710807	99.9960630	100.0000000

Sr. No	Month	AFM in %		
		132 kV	220 kV	400 kV
6	Sep-16	99.9528767	99.9676428	100.0000000
7	Oct-16	99.9825624	99.5800543	99.9762313
8	Nov-16	99.9844530	99.9979662	99.9792366
9	Dec-16	99.9779453	99.9778722	99.9324834
10	Jan-17	99.9929416	99.9725952	99.7566099
11	Feb-17	99.9947722	99.9870457	100.0000000
12	Mar-17	99.9805199	99.9981320	99.7744827
13	Average	99.9332583	99.9242645	99.9294272

Table 5: Annual Average Transmission System Availability Factor (TSAF) for FY 2016-17

Sr. No	Particulars	Normative (%)	Voltage Level	Achieved (%)
1	Transmission System Availability Factor (TSAF)	99%	400 kV	99.93
			220kV	99.92
			132kV	99.93
			Average	99.93%

4.10 The detailed calculation sheet of monthly transmission system availability factor under each class of voltage containing 87 pages is being submitted separately for the kind perusal of the Hon'ble Commission.

4.11 The incentive/penalty eligible to the Petitioner on account of TSAF has been discussed separately later in the petition.

Gross Fixed Assets (GFA)

4.12 The Hon'ble Commission in its MYT order for the control period from FY 2016-17 to FY 2020-21 dated 30th April 2016 had approved the methodology for determination of capital structure of GFA into consumer contribution, debt and equity. CSPTCL would like to submit that the capital structure for FY 2016-17 has been determined based on the following:

- Opening CWIP for FY 2016-17 has been considered equal to the closing CWIP for FY 2015-16 as per the true-up of ARR for FY 2015-16
- Closing CWIP of Rs. 571.12 Crores has been considered as per the provisional accounts for FY 2016-17

- The actual loan addition of NIL amount has been considered as per the provisional accounts for FY 2016-17
- Actual equity addition has been considered as Rs. 236.93 Crores as per the provisional accounts for FY 2016-17
- GFA addition of Rs. 230.29 Crores (net of GFA addition for SLDC) has been considered as per the provisional accounts for FY 2016-17
- Assets generated on account of consumer contribution has been taken as NIL being considered its value as Rs.1 only as per accounting standard.
- The normative debt: equity ratio has been considered as 70:30 for additional capitalisation during the year as per the MYT Regulations, 2015

4.13 The Capital Structure as submitted by the Petitioner for FY 2016-17 is as follows:

Table 6: Capital Structure for FY 2016-17 (Rs. Crores)

Sr. No.	Particulars	FY 2015-16 True-up order dated 31.03.2017	FY 2016-17 (Based on provisional accounts)
A	GROSS FIXED ASSETS (GFA)		
1	Opening GFA	3348.88	3655.02
2	Opening CWIP	564.63	564.47
3	Opening Capex	3913.51	4219.50
4	Capitalisation during the Year	306.14	230.29
5	Closing GFA	3655.02	3,885.31
6	Closing CWIP	564.47	571.12
7	Closing Capex	4219.50	4,456.43
B	GRANTS & CONSUMER CONTRIBUTION		
1	Opening Grant and Contribution	101.56	101.56
2	Consumer Contribution/Grants during the Year	-	-
3	Closing Consumer Contribution	101.56	101.56
4	Consumer Contribution in Opening GFA	46.06	46.06
5	Consumer Contribution in Closing GFA	46.06	46.06
C	LOAN BORROWED		
1	Opening Borrowed Loan	1,969.43	2,144.62
2	Loan Borrowed during the Year	175.19	0.00
3	Closing Borrowed Loan	2,144.62	2,144.62

Provisional True-up of ARR of FY 17 & Determination of Transmission Tariff for FY 19
CSPTCL

Sr. No.	Particulars	FY 2015-16 True-up order dated 31.03.2017	FY 2016-17 (Based on provisional accounts)
4	Borrowed Loan in Opening GFA	2,077.83	2,322.74
5	Borrowed Loan in Closing GFA	2,322.74	2,483.95
D	EQUITY		
1	Opening Gross Equity	1,842.52	1973.32
2	Equity addition during the Year	130.80	236.93
3	Closing Gross Equity	1973.32	2,210.25
4	Gross Equity in Opening GFA	1,224.99	1,286.22
5	Gross Equity in Closing GFA	1,286.22	1,355.31
6	Average Gross Equity during the year	1,255.61	1,320.76
E	PERMISSIBLE EQUITY		
1	Permissible Equity in Opening GFA	847.87	909.10
2	Permissible Equity in Closing GFA	909.10	978.19
3	Average Gross Permissible Equity during the year	878.48	943.64
F	NORMATIVE LOAN		
1	Opening Normative Loan	377.12	377.12
2	Closing Normative Loan	377.12	377.12
3	Average Normative Loan	377.12	377.12

4.14 The means of finance for the GFA addition during FY 2016-17 is as shown below:

Table 7: Means of Finance for addition in GFA for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2016-17
1	GFA Addition in FY 2016-17	230.29
2	Means of Finance	
a	Consumer Contribution	0.00
b	Equity (30%)	69.09
c	Debt (70%)	161.20

4.15 The Hon'ble Commission is requested to approve capital structure and means of finance including GFA addition for FY 2016-17 based on the provisional accounts as per calculation provided in the above tables.

Depreciation

- 4.16 CSPTCL would like to submit that it has calculated depreciation as per Regulation 24 of MYT Regulations 2015. The Regulation states that:

“24.1 The value base for the purpose of depreciation shall be the capital cost of the asset admitted by the Commission:

Provided that the capital cost shall not include funds from grant or consumer contribution or deposit works received for funding of fixed asset as specified in Regulation 21.

24.2 The salvage value of the asset except for IT equipment's and software used for SLDC business shall be considered as 10% and depreciation shall be allowed up to maximum of 90% of the capital cost of the asset.

Provided that, the salvage value for IT equipment's and Software shall be considered as NIL and 100% value of the assets shall be considered depreciable.

24.3 Land other than the land held under lease and the land for reservoir in case of hydro generating station and the land for ash-bund for thermal power stations shall not be a depreciable asset and its cost shall be excluded from the capital cost while computing depreciable value of the asset.

24.4 Depreciation shall be calculated annually based on Straight Line Method and at rates as specified in Appendix-I to these regulations for the assets of the generating station, transmission system, distribution system and SLDC:

Provided that the remaining depreciable value as on 31st March of the year closing after a period of 15 years from date of commercial operation shall be spread over the balance useful life of the assets;

In case of the existing projects, the balance depreciable value as on 01.04.2016 shall be worked out by deducting the cumulative depreciation as admitted by the Commission up to 31.03.2016 from the gross depreciable value of the assets.

Provided that in those cases where the capital investment plan has been approved by the Commission and the depreciation rates as provided in these Regulations are insufficient for the repayment of loan, the rate of depreciation shall be decided by the Commission at the time of issuance of tariff order, subject to prudence check.

24.5 Till the separate SLDC Company is notified by the State Government, the depreciation shall be calculated as applicable for the STU under this Regulations;

Provided further the balance depreciable value as on the date of transfer shall be worked out by deducting the cumulative depreciation from the gross depreciable value of the assets appearing in the books of accounts of the SLDC for the SLDC as on the date of transfer.

24.6 Depreciation shall be chargeable from the first year of commercial operation. The depreciation shall be computed on the average asset base during the year:

Provided for the new generating station or unit, the depreciation shall be charged on pro rata basis during the year the asset has been declared under commercial operation. For subsequent years, the depreciation shall be computed on the average asset base during the year”

- 4.17 CSPCTL, while calculating the depreciation for FY 2016-17, has followed the methodology specified in the aforesaid Regulation as well as the methodology considered by the Hon’ble Commission in the past and has computed the depreciation as follows:

Table 8: Depreciation for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2015-16	FY 2016-17	
		True-up order dt. 31.03.2017	MYT order dt. 30.04.2016	Provisional True-up
1	Opening GFA excluding SLDC	3,348.88	3,666.31	3,655.02
2	Add: Additional capitalization during the year	306.14	433.71	230.29
3	GFA at the end of the year excluding SLDC	3,655.02	4,100.02	3,885.31
4	Average GFA for the year	3,501.95	3,883.16	3,770.17
5	Depreciation Rate	5.25%	5.25%	5.25%
6	Depreciation @ rates as per applicable Regulation	183.95	203.87	198.05
7	Opening consumer contribution	46.06	46.06	46.06
8	Addition: consumer contribution during the year	0.00	0.00	0.00
9	Closing consumer contribution	46.06	46.06	46.06
10	Average consumer contribution	46.06	46.06	46.06
11	Less: Depreciation on consumer contribution on live assets	2.42	2.42	2.42
12	Less: Depreciation on fully depreciated assets	19.79	19.79	20.51
13	Net Depreciation	161.73	181.66	175.12

- 4.18 Thus, CSPTCL would like to request the Hon'ble Commission to approve depreciation of Rs. 175.12 Crores for provisional true-up of ARR for FY 2016-17 as detailed above.

Interest on Loan

- 4.19 CSPTCL would like to submit that it has computed Interest and Finance Charges as per Regulation 23 of the MYT Regulations, 2015. The Regulation states that:

23.1. The loans arrived at in the manner indicated in Regulation 17 shall be considered as gross normative loan for calculation of interest on loan.

23.2. The normative loan outstanding as on 01.04.2016 shall be worked out by deducting the cumulative repayment as admitted by the Commission up to 31.03.2016 from the gross normative loan.

23.3. The repayment for the year of the tariff period shall be deemed to be equal to the depreciation allowed for that year.

23.4. Notwithstanding any moratorium period availed by the generating company or the licensee, as the case may be the repayment of loan shall be considered from the first year of commercial operation of the project and shall be equal to the annual depreciation allowed.

23.5. The rate of interest shall be the weighted average rate of interest calculated on the basis of the actual loan portfolio at the beginning of each year applicable to the project;

Provided that if there is no actual loan for a particular year but normative loan is still outstanding, the last available weighted average rate of interest shall be considered:

Provided further that if the generating station or the licensee, as the case may be, does not have actual loan, then the weighted average rate of interest of the generating company or the licensee as a whole shall be considered:

Provided further, in case of new generating station or the licensee commencing its operation after the date of effectiveness of these Regulations, and which don't have actual loan portfolio, the rate of interest shall be considered on normative basis and shall be equal to the Base rate of State Bank of India plus 200 basis points as on the date on which the generating station or a unit thereof or the transmission system or the distribution licensee, as the case may be, is declared under commercial operation.

23.6. The interest on loan shall be calculated on the normative average loan of the year by applying the weighted average rate of interest.

23.7. The above interest computation shall exclude interest on loan amount, normative or otherwise, to the extent of capital cost funded by consumer contribution, grants or deposit works carried out by transmission licensee or distribution licensee or generating company, as the case may be.

23.8. The generating company or SLDC or the licensee, as the case may be, shall make every effort to re-finance the loan as long as it results in net savings on interest and in that event the costs associated with such re-financing shall be borne by the beneficiaries and the net savings shall be shared between the beneficiaries and the generating company or the STU or the transmission licensee, as the case may be, in the ratio of 2:1.

Provided in case of SLDC, this provision shall be applicable only to those intra-State entities who are availing long-term services of SLDC.

23.9. Provided that the beneficiary shall not withhold any payment on account of the interest claimed by the generating company or the licensee during the pendency of any dispute arising out of re-financing of loan.

23.10. The changes to the terms and conditions of the loans shall be reflected from the date of such re-financing.

23.11. In case of distribution licensee, the interest paid on security deposit (cash) to the consumers shall be allowed as a part of the Interest and Finance charges under these regulations.

4.20 The actual loan details as per the accounts for FY 2016-17 are as follows:

Table 9: Loan Details for FY 2016-17 (Rs. Crores)

Sr. No.	Particulars	Opening Loan	Addition	Repayment	Closing Loan	Avg.	RoI	Interest
1	PFC	1171.67	-	126.08	1,045.59	1,108.63	10.96%	128.40
2	NABARD	129.18	-	6.93	122.25	125.71	11.08%	14.31
3	State Govt. Loan	15.69	-	-	15.69	15.69	8.90%	1.40
4	REC	73.14	-	-	73.14	73.14	11.05%	8.08
5	Total	1389.67		133.01	1,256.66	1,323.17	10.95%	152.19

4.21 CSPTCL would like to submit that it has considered the approved closing normative loan balance for FY 2015-16 as per the true-up order dated 31.03.2017 as the opening normative loan balance for true-up of ARR for FY 2016-17. The debt component of 70% of the GFA addition during FY 2016-17 has been considered as the normative loan addition during the year. The allowable depreciation for the year as calculated above in Table 8 has been considered as the normative repayment for the year. The rate of interest has been computed in accordance with Regulation 23.5 i.e. as the weighted average rate of interest on the basis of the actual loan portfolio at the beginning of the year. The actual weighted average interest rate of 10.95% has been considered for computation of the interest on loan for FY 2016-17.

Table 10: Interest on Loan for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2015-16	FY 2016-17	
		True-up order dt. 31.03.2017	MYT order dt. 30.04.2016	Provisional True-up
1	Total Opening Net Loan	1,689.53	1,782.12	1,772.71
2	Repayment during the period	161.73	181.03	175.12
3	Additional Capitalization of Borrowed Loan during the year	244.91	303.60	161.20
4	Total Closing Net Loan	1,772.71	1,904.69	1,758.80
5	Average Loan during the year	1,731.12	1,843.40	1,765.75
6	Weighted Average Interest Rate	11.86%	12.20%	10.95%
7	Interest Expense for the Period	205.35	224.71	193.37

4.22 Thus, CSPTCL would like to request the Hon'ble Commission to approve Interest on Loan of Rs. 193.37 Crores for provisional true-up of ARR for FY 2016-17 as compared to Rs. 224.71 Crores approved earlier in the MYT order for FY 2016-17.

Return on Equity (RoE) and Income Tax

- 4.23 Petitioner submits that it has computed Return on Equity as per Regulation 22 of the MYT Regulations, 2015. The Regulation states that:

*22.1. **Generation, Transmission and SLDC:** Return on equity shall be computed in rupee terms on the equity base determined in accordance with Regulation 17. Return on equity shall be computed on pre-tax basis at the base rate of 15.50% to be grossed up as per Regulation 22.3 of these Regulations.*

22.3. The rate of return on equity for each year of the control period shall be computed by grossing up the base rate with the prevailing MAT rate of the base year: Provided that return on equity with respect to the actual tax rate applicable to the generating company or the transmission licensee or distribution licensee, as the case may be, in line with the provisions of the relevant Finance Acts of the respective year during the Control Period shall be trued up separately for each year of the Control Period. In case, no tax is payable during the financial year, the tax rate for the purpose of truing up shall be taken as nil.

Rate of return on equity shall be rounded off to three decimal points and be computed as per the formula given below:

Rate of pre-tax return on equity = Base rate / (1-t)

Where, 't' is the applicable tax rate in accordance with regulation 22.3 of these regulations.

Provided that if there is a loss incurred by the generating company or the transmission licensee or distribution licensee or SLDC, as the case may be, in the previous year and based on the prudence check made by the Commission, the Minimum Alternate Tax may not be considered in such a case while determining the return on equity.

- 4.24 CSPTCL would like to submit that it has filed Current Tax for FY 2016-17 for Rs. 21.17 Crores as per the provisional accounts and requests the Hon'ble Commission to approve Rs. 21.17 Crores for tax expense separately.
- 4.25 The closing permissible equity balance of FY 2015-16 (as approved in true-up order dated 31.03.2017) has been considered as the opening permissible equity balance for provisional true-up of ARR of FY 2016-17.
- 4.26 Equity addition during FY 2016-17 has been considered as 30% of the actual capitalisation during the year.

- 4.27 Considering the above, CSPTCL would like to submit that it has computed Return on Equity as per Regulation 22 of the MYT Regulations, 2015 using the base rate of Return on Equity of 15.50% (without grossing up by MAT rate of 20.9605%) and Rs. 21.17 Crores tax expense separately due to actual tax paid during the year.

Table 11: Return on Equity for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2015-16	FY 2016-17	
		True-up order dt. 31.03.2017	MYT order dt. 30.04.2016	Provisional True-up
1	Permissible Equity in Opening GFA	847.87	911.36	909.10
2	Addition of permissible equity during the year	61.23	130.11	69.09
3	Permissible Equity in Closing GFA	909.10	1,041.47	978.19
4	Average Gross Permissible Equity during the year	878.48	976.42	943.64
5	Rate of Return on Equity	15.50%	15.50%	15.50%
6	Return on Equity	136.17	151.34	146.26

Table 12: Income Tax for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2015-16	FY 2016-17	
		True-up order dt. 31.03.2017	MYT order dt. 30.04.2016	Provisional True-up
1	Income Tax	7.65	NIL	21.17

- 4.28 Thus, CSPTCL would like to request the Hon'ble Commission to approve Return on Equity of Rs. 146.26 Crores for provisional true-up of ARR for FY 2016-17 as detailed above. It is also requested the Hon'ble Commission to consider the similar approach for CSPTCL for computation of RoE by grossing up rate of return on equity with MAT rate of 20.9605%, if adopted for CSPGCL and CSPDCL.

Operation and Maintenance (O&M) Expenses

- 4.29 O&M expenses include Employee expenses, Administrative & General (A&G) expenses and Repairs & Maintenance (R&M) expenses. As per provision 47.5 of the MYT Regulations 2015:

Employee Cost

(c) The employee cost, excluding pension fund contribution and impact of pay revision arrears for the base year i.e. FY 2015-16, shall be derived on the basis of the normalized average of the actual employee expenses excluding pension fund contribution and impact of pay revision arrears available in the accounts for the previous five (5) years immediately preceding the base year FY 2015-16, subject to prudence check by the Commission. Any other expense of nonrecurring nature shall also be excluded while determining normalized average for the previous five (5) years.

(d) The normalization shall be done by applying last five year average increase in Consumer Price Index (CPI) on year to year basis. The average of normalized net present value for FY 2010-11 to FY 2014-15, shall then be used to project base year value for FY 2015-16. The base year value so arrived, shall be escalated by the above inflation rate to estimate the employee expense (excluding impact of pension fund contribution and pay revision, if any) for each year of the control period.

At the time of true up, the employee costs shall be considered after taking into account the actual increase in CPI during the year instead of projected inflation for that period.

Provided further that impact of pay revision (including arrears) and pension fund contribution shall be allowed on actual during the true-up as per accounts, subject to prudence check and any other factor considered appropriate by the Commission.

A&G Expenses and R&M Expenses

(e) The administrative and general expenses and repair and maintenance expenses, for the base year i.e. FY 2015-16, shall be derived on the basis of the normalized average of the actual administrative and general expenses and repair and maintenance expenses, respectively available in the accounts for the previous five (5) years immediately preceding the base year FY 2015-16, subject to prudence check by the Commission. Any expense of non-recurring nature shall be excluded while determining normalized average for the previous five (5) years.

(f) The normalization shall be done by applying last five year average increase in Wholesale Price Index (WPI) on year to year basis. The average of normalized net present value for FY 2010-11 to FY 2014-15, shall then be used to project base year value for FY 2015-16. The base year value so arrived, shall be escalated by the above inflation rate to estimate the administrative and general expense and repair and maintenance expenses for each year of the control period.

At the time of true up, the administrative and general expenses and repair and maintenance expenses shall be considered after taking into account the actual inflation instead of projected inflation for that period.

(g) The additional O&M Expenses on account of new transmission lines/substations commissioned after March 31, 2016 shall be allowed by the Commission subject to prudence check at the time of truing up exercise.

- 4.30 O&M expenses include Employee expenses, Administrative & General (A&G) expenses and Repairs & Maintenance (R&M) expenses.
- 4.31 The gross employee expenses approved by the Hon'ble Commission in the MYT order dated 30th April 2016 are Rs. 155.59 Crores for FY 2016-17 (excluding interim wage relief amount and terminal benefits). CSPTCL would like to submit that the gross employee expenses (net of employee expenses on account of SLDC) for FY 2016-17 based on the provisional annual accounts are Rs. 177.44 Crores. The details of the same are as below.

Table 13: Gross Employee Expenses for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2016-17
		Provisional
1	Gross Employee Expenses (CSPTCL+SLDC) excluding terminal benefits*	184.90
2	Less: SLDC Employee Expenses (including interim wage relief)	7.47
3	CSPTCL Gross Employee Expenses	177.44

* Includes 7.5% IR paid to the employees during FY 2016-17

- 4.32 Further, provision of arrears to be paid to employees on account of wage revision due from 01st April 2014 to 31st March 2017 has been made in provisional accounts for the FY 2016-17 as shown in the table below:

Table 14: Provision of Interim wage relief amount for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2016-17
		Provisional
1	Interim Wage Relief (CSPTCL+SLDC)	20.41

- 4.33 CSPTCL would like to submit that this amount is being paid from FY 2017-18 onwards and requests the Commission to kindly consider the same as per actuals in future years.

- 4.34 The capitalisation of employee expenses has been considered as Rs. 21.54 Crores as per the accounts for FY 2016-17.
- 4.35 CSPTCL would like to request the Hon'ble Commission to approve Rs. (177.44–21.54) = 155.90 Crores for Employee Expenses (excluding capitalization) for FY 2016-17 based on the provisional annual accounts.
- 4.36 Further, the Petitioner wants to highlight the current employee strength at CSPTCL. As on 31st March 2017, total sanctioned strength of different class of employees exclusive of SLDC is 3305 out of which 1665 are currently working and balance 1640 are envisaged to be filled in the coming FYs. The details are as follows:

Table 15: Employee Strength at CSPTCL as on 31st March 2017 (Nos)

No of Employees as on 31st March 2017				
Sr. No	Particulars	Sanctioned	Working	Vacant
CSPTCL				
1	Class I	131	105	26
2	Class II	235	159	76
3	Class III	1,448	720	728
4	Class IV	1,491	681	810
5	Total	3,305	1,665	1,640
SLDC				
1	Class I	20	14	6
2	Class II	24	19	5
3	Class III	21	17	4
4	Class IV	8	3	5
5	Total	73	53	20
CSPTCL+SLDC				
1	Class I	151	119	32
2	Class II	259	178	81
3	Class III	1,469	737	732
4	Class IV	1,499	684	815
5	Total	3,378	1,718	1,660

- 4.37 Considering the vacant positions at CSPTCL, employee expenses are bound to increase in the near future and it would be very difficult to manage the same at the same level as set by the Hon'ble Commission. Further, the Wage Revision Committee has recommended that the pay scale needs to be revised when the seventh central pay commission recommendations are available and implemented by GOI for their employees. The salary structure has been recommended to be aligned to Central Govt. Pay scale from the date from which Central Govt. revised the pay scale of their employees including merger of DA with salary. The Petitioner, accordingly, submits that the Hon'ble Commission may allow the same whenever the effect takes place.
- 4.38 CSPTCL would like to submit that the Administrative & General (A&G) and Repair & Maintenance (R&M) expenses (excluding expenses on account of SLDC) on the basis of provisional annual accounts for FY 2016-17 are as shown below:

Table 16: Gross R&M and A&G Expenses for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2016-17
		Provisional
1	Gross A&G Expenses	49.39
2	Less: SLDC Expenses	0.58
3	CSPTCL Gross A&G Expenses	48.81
4	Gross R&M Expenses	24.68
5	Less: SLDC Expenses	0.68
6	CSPTCL Gross R&M Expenses	24.00

- 4.39 The capitalisation of A&G expenses has been considered as Rs. 2.00 Crores as per the accounts for FY 2016-17.

4.40 Under the head of 'Other Expenses' in Note 9.3 of the provisional accounts for FY 2016-17, expenditure of Rs. 15.89 Crores has been mentioned in respect of the outsourced employees against vacant posts in CSPTCL. This expense is in respect of wages paid to the outsourced employees and has been considered as a separate line-head item. As they are not regular employee of CSPTCL, hence their wages are part of A&G Expenses. This includes expenditure of Rs. 0.10 Crores booked under CSLDC. The balance of Rs. 15.79 Crores has been considered here. It is pertinent to mention here that these wages are required to be paid by CSPTCL to outsource employees against the vacant post of CSPTCL for day to day operation and maintenance of existing/new EHV substations /offices etc. Since these nature of expenses are similar to employee expenses for regular employees, CSPTCL would like to request the Commission to consider same at par with employee expenses only for the purpose of computation of gain and losses of O&M (now A&G + R&M expenses).

4.41 The comparison of O&M expenses vis-a-vis that approved earlier by the Commission is as below.

Table 17: O&M Expenses for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2015-16	FY 2016-17	
		True-up order dt. 31.03.2017	MYT order dt. 30.04.2016	Provisional
1	Gross Employee Expenses	150.62	155.59	177.44
2	Gross A&G Expenses	35.8	28.96	48.81
3	Gross R&M Expenses	27.33	29.68	24.00
4	Interim Wage Relief amount	15.23	11.75	0.00
5	Gross O&M Expenses (excluding SLDC)	228.98	225.98	250.25
6	<i>Employee expenses capitalized</i>	24.88	0	21.54
7	<i>A&G Expenses capitalized</i>		0	2.00
8	Net O&M Expenses (excluding SLDC)	204.10	225.98	226.71

4.42 As can be seen from the above table, the actual O&M Expenses are higher than that approved by the Hon'ble Commission in the MYT order dated 30th April 2016 for FY 2016-17. CSPTCL would like to request the Hon'ble Commission to approve actual O&M expenses for FY 2016-17 based on the provisional annual accounts as shown in the above table.

- 4.43 The net O&M expenses after considering the above capitalization comes out to be Rs. 226.71 (250.25-23.54) Crores. CSPTCL requests the Hon'ble Commission to approve Rs. 226.71 Crores towards net operation & maintenance expenses for FY 2016-17.

Sharing of gain and losses on account of O&M expenses

- 4.44 CSPTCL would like to submit that the MYT Regulations 2015 allows incentive/disincentive for better/under performance in operational norms so that such efforts are appropriately recognized and promoted, thereby, ensuring improved efficiency on a sustainable basis.
- 4.45 Regulation 8 of MYT Regulations 2015 states that:

8. SPECIFIC TRAJECTORY FOR CERTAIN VARIABLES

Targets will be set by the Commission for the items that are "controllable". Besides, trajectory for specific variables may be stipulated by the Commission where the performance of the applicant is sought to be improved upon through incentives and disincentives.

- 4.46 Regulation 11.2 of the MYT Regulations 2015 mentions the "Controllable factors" as following:

11.2 For the purpose of these Regulations, the term "Controllable factors" shall comprise of the following:

.....

(d) Operation & Maintenance expenses.

...

- 4.47 In addition to the above, Regulation 13 of the MYT Regulations 2015 has also provision of allowing the incentive/disincentive to the utilities on account of improved/under performance in efficiency linked controllable items.

13. MECHANISM FOR SHARING OF GAINS OR LOSSES ON ACCOUNT OF CONTROLLABLE FACTORS

13.1 The mechanism for sharing of aggregate net gain on account of over achievement in reference to the target set in tariff order for efficiency linked controllable items other than energy losses computed in accordance to Regulation 71 shall be passed on to the beneficiary / consumer(s) and retained by the generating company or the licensee or SLDC, as the case may be, in the ratio of 50:50 or as may be specified in the Order of the Commission passed under these Regulations.

13.2 The mechanism for sharing of aggregate net loss on account of under achievement in reference to the target set in tariff order for efficiency linked controllable items shall be passed on to the beneficiary/consumer(s) and retained by the generating company or the licensee, as the case may be, in the ratio of 50:50 or as may be specified in the Order of the Commission passed under these Regulations.

- 4.48 As per amendment dated 16 June 2017 to the principal regulations, following proviso has been inserted in clause 13.1-

Provided further that employee cost shall not be factored in for sharing of gains or losses on account of operation & maintenance expenses,

- 4.49 Accordingly, the employee expenses for FY 2016-17 have been considered based on actual and have not been subject to sharing of gains or losses. The Petitioner, therefore, requests the Commission to approve Rs. 177.44 Crores as gross employee expenses and capitalisation of employee expenses as Rs. 21.54 Crores for FY 2016-17.

- 4.50 A&G and R&M expenses have been subject to sharing of gains/losses as per regulation 47.5 of the MYT Regulations 2015. The calculation of the normative A&G and R&M expenses for FY 2016-17 is as shown below.

- 4.51 As per regulation 47.5, clause (f):

(f) The normalization shall be done by applying last five year average increase in Wholesale Price Index (WPI) on year to year basis. The average of normalized net present value for FY 2010-11 to FY 2014-15, shall then be used to project base year value for FY 2015-16. The base year value so arrived, shall be escalated by the above inflation rate to estimate the administrative and general expense and repair and maintenance expenses for each year of the control period.

At the time of true up, the administrative and general expenses and repair and maintenance expenses shall be considered after taking into account the actual inflation instead of projected inflation for that period.

- 4.52 The A&G and R&M expenses for the base year i.e. FY 2015-16, has been derived on the basis of the normalized average of the actual net A&G and R&M expenses, respectively available in the accounts for the previous five (5) years immediately preceding the base year FY 2015-16. Any other expense of non-recurring nature has been excluded while determining normalized average for the previous five (5) years. The normalization has been done by applying last five year average increase in Wholesale Price Index (WPI) on year to year basis.

- 4.53 The average increase in WPI for the five years preceding the base year i.e. from FY 2010-11 to FY 2014-15 is 6.77%. The details of the WPI from FY 2010-11 to FY 2014-15 is in **Annexure 1**. The summary of the yearly inflation and the average inflation considered for normalising the A&G and R&M expenses (from FY 2010-11 to FY 2014-15) to FY 2014-15 is as shown below.

Table 18: Average increase in WPI from FY 2010-11 to FY 2014-15

Sr. No	Particulars	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15
1	WPI-AC (%)	9.56%	8.94%	7.35%	5.98%	2.00%
2	Average from FY 2010-11 to FY 2014-15	6.77%				

Note: WPI-AC: Wholesale Price Index – All Commodities

- 4.54 The actual increase in WPI for FY 2015-16 is -2.49% and for FY 2016-17 is 3.67%. The same have been considered for projecting the A&G and R&M expenses for FY 2015-16 and FY 2016-17 respectively. The details of the WPI have been mentioned at **Annexure 1** to the petition.
- 4.55 The average of the net present value of the A&G and R&M expenses from FY 2010-11 to FY 2014-15 normalised to FY 2014-15 has then been escalated by actual increase in WPI for FY 2015-16 i.e. -2.49% to arrive at the A&G and R&M expenses for FY 2015-16. The same have been escalated by increase in WPI for FY 2016-17 i.e. 3.67% to arrive at the A&G and R&M expenses for FY 2016-17.
- 4.56 The normative A&G and R&M expenses for FY 2016-17 is as calculated below.

Table 19: Normative A&G Expenses for FY 2016-17 (Rs. Crores)

Particulars	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17
Base FY 11	15.03	16.05	17.13	18.29	19.53		
Base FY 12		22.37	23.88	25.50	27.23		
Base FY 13			17.84	19.05	20.34		
Base FY 14				31.04	33.14		
Base FY 15					26.78		
Normalized A&G for FY 15					25.40		
Normative A&G (net of capitalisation)						24.77	25.68

Table 20: Normative R&M Expenses for FY 2016-17 (Rs. Crores)

Particulars	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17
Base FY 11	23.37	24.95	26.64	28.44	30.37		
Base FY 12		26.31	28.09	29.99	32.02		
Base FY 13			20.51	21.90	23.38		
Base FY 14				25.27	26.98		
Base FY 15					17.45		
Normalized R&M for FY 15					26.04		
Normative R&M (net of capitalisation)						25.39	26.32

4.57 It is noted that Regulation 47.5(g) of the CSERC MYT Regulations 2015 states that:

“The additional O&M Expenses on account of new transmission lines/substations commissioned after March 31, 2016 shall be allowed by the Commission subject to prudence check at the time of truing up exercise.”

4.58 The Petitioner would like to submit that actual O&M expenditure for FY 2016-17 includes expense on account of these new lines/substations. However, practically, it is not possible to isolate the actual O&M expense on specifically on new transmission lines/substations commissioned after 31st March 2016.

4.59 It is further submitted that the Commission has not separately notified any norms for new transmission lines or substations in the MYT Regulations 2015. In absence of state specific norms, the Petitioner would like to request the Commission to allow Central Electricity Regulatory Commission (CERC) benchmarked tariff norms for such additional assets commissioned after 31st March 2016. It is noted that the CSERC while considering the normative O&M expenses for control period FY 2016-17 to FY 2020-21 as per MYT tariff order dated 30th April 2016 had allowed the increase for the control period FY 2016-17 to FY 2020-21 on the base year i.e. FY 2015-16 based on inflation-linked indices. The base year i.e. FY 2015-16 normative O&M was considered based on the average of normalized net present value from FY 2010-11 to FY 2014-15 further escalated by the relevant inflation rate. The actual O&M expense of FY 2015-16 was not available while projecting normative O&M expense for the period FY 2016-17 to FY 2020-21 at the time of the MYT order.

4.60 While as per the regulation 47.5(g) of the CSERC MYT Regulations 2015, claim of the additional O&M on new transmission lines/substations commissioned after 31st March 2016 is permissible, keeping in view the justification placed on record in the preceding paragraphs, the Petitioner would request the Hon'ble Commission to allow additional normative expenditure on new lines/substations commissioned during FY 2015-16 (full year with inflation) and FY 2016-17 (for half year).

4.61 The addition in assets is reproduced below.

Table 21: Addition in Transmission Lines during FY 2015-16 and FY 2016-17

Sr. No	Particulars	Addition in FY 2015-16	Addition in FY 2016-17	Total Transmission Lines (Circuit Km.)
1.	Single Circuit Single Conductor	82.57	150.76	233.33
2.	Double Circuit Single Conductor	169.75	32.5	202.25
3.	Total Transmission Lines	252.32	183.26	435.58

Table 22: Addition in No. of bays during FY 2015-16 and FY 2016-17

Sr. No	Particulars	Addition in FY 2015-16	Addition in FY 2016-17	Total No. of Bays
1.	400 kV	0	0	0
2.	220 kV	5	0	5
3.	132 kV	34	27	61
4.	+/- 200 KV HVDC	0	0	0
5.	Total No. of bays	39	27	66

4.62 CERC norms for transmission assets for the tariff period 2014-19, are linked to number of bays for substations and based on conductor type for transmission lines as shown in table below:

Table 23: Applicable Norms O&M (Rs lakhs)

Sr. No	Particulars	Addition in FY 2015-16	Addition in FY 2016-17
1.	Bays of 220 kV substation (per bay)	43.61	45.06
2.	Bays of 132 kV substation (per bay)	31.15	32.18
3.	Single Circuit Single Conductor (per km)	0.209	0.216
4.	Double Circuit Single Conductor (per km)	0.313	0.324

4.63 Considering the above, the additional normative O&M for assets added during FY 2015-16 and FY 2016-17 has been arrived as shown in the table below

Table 24: Additional Normative O&M (Rs. Crores)

Sr. No	Particulars	Normative O&M of bays in FY 2015-16	Norms of O&M of bays in FY 2015-16	Normative O&M applicable of assets capitalized in FY 2015-16	Normative O&M applicable of assets capitalized in FY 2016-17	Total Additional Normative O&M applicable in FY 2016-17
1	400 kV	0.00	0.00	0.00	0.00	0.00
2	220 kV	0.44	0.45	2.26	0.00	2.26
3	132 kV	0.31	0.32	10.98	4.34	15.32
4	+/- 200 KV HVDC	0.00	0.00	0.00	0.00	0.00
5	Total No. of Substations	0.75	0.77	13.24	4.34	17.58

Sr. No	Particulars	Normative O&M of lines in FY 2015-16 (in lakhs)	Norms of O&M of lines in FY 2015-16	Normative O&M applicable of assets capitalized in FY 2015-16	Normative O&M applicable of assets capitalized in FY 2016-17	Total Additional Normative O&M applicable in FY 2016-17
1	Single Circuit Single Conductor	0.21	0.22	0.18	0.16	0.34
2	Double Circuit Single Conductor	0.31	0.32	0.55	0.05	0.60
3	Total Lines	0.52	0.54	0.73	0.22	0.95

4.64 The normative O&M so arrived has been apportioned in the ratio of actual employee, A&G and R&M expenses to arrive at the normative A&G and R&M expenditure for purposes of gain/loss calculation.

4.65 Accordingly, the additional normative A&G is Rs. 3.83 Crores and R&M is Rs. 1.96 Crores for FY 2016-17.

- 4.66 Further, as detailed above, CSPTCL has not considered Rs. 15.79 Crores towards wages paid to the outsourced employees against vacant posts as part of A&G expenses eligible for the purpose of computation of gain and loss of A&G expenses. The actual net A&G and R&M expenses as per the provisional accounts are Rs. 31.01 Crores and Rs. 24.00 Crores (net of capitalisation) respectively for FY 2016-17. The same have been considered for sharing of gain/(loss) for FY 2016-17 is as shown in the below table.

Table 25: Sharing of gain/ (loss) on A&G and R&M expenses for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	Normative Expense	Actual provisional	Gain/(Loss)
1	Net A&G expenses	29.50	31.01	-1.51
2	Net R&M expenses	28.28	24.00	4.28
3	Total Gain/(Loss)			2.77
4	CSPTCL share (1/2 of Total Gain/(Loss))			1.39

- 4.67 The gain of Rs. 1.39 Crores on account of expenditure in actual A&G and R&M expenses as compared to the normative A&G and R&M expenses has been considered as part of the provisional true-up of ARR for FY 2016-17.
- 4.68 Further, the Petitioner would want to draw the kind attention of the Hon'ble Commission that the Gross Block would be nearly double in the next five years i.e. GFA would be Rs 7358.40 Crores in FY 2020-21 from Rs 3885.31 Crores in FY 2016-17 (based on Capital Investment Plan filed by the Petitioner for 3rd Control Period). The Petitioner would like to highlight that going by the growth in infrastructure, the prevalent norms of calculation of R&M based on WPI will not be sufficient. In different State Commission approach, R&M is linked to GFA which has been shown below:

Joint Electricity Regulatory Commission (JERC) for the State of Goa and UTs Approach:

MYT Distribution Regulations, 2014 - Provision: 21.2 Repair and Maintenance Expenses:

Repairs and Maintenance (R&M) expenses shall be calculated as percentage (as per the norm defined) of Opening Gross Fixed Assets for the year governed by following formula:

$$R\&M_{,,} = Kb * GFA_{,,} * Inflation Index$$

where:

R&Mn: Repairs & Maintenance expense for nth year

GFA_n: Opening Gross Fixed Assets for nth year

K_b: Percentage point as per the norm

GFA: Gross Fixed Assets at the beginning of the Financial Year

Inflation Index is CPI: WPI:: 60 : 40

CPI is Consumer Price Index issued by Govt, of India & these indices are for immediately preceding three years

WPI is whole sale price Index issued by Govt, of India & these indices are for immediately preceding three years

Himachal Pradesh Electricity Regulatory Commission (HPERC) Approach:

Terms and Conditions for Determination of Transmission Tariff, Regulations 2011 – Provision: 13 Operation and Maintenance Expenses:

The O&M expenses for the nth year of the control period shall be approved based on the formula given below:-

$$O\&M_n = R\&M_n + EMP_n + A\&G_n$$

$$\text{Where - } EMP_n = (EMP_{n-1}) * (1 + G_n) * (CPI_{inflation})$$

$$A\&G_n = (A\&G_{n-1}) * (WPI_{inflation})$$

$$R\&M_n = K \times (GFA_{n-1}) \times (WPI_{inflation})$$

'K' is a constant (could be expressed in %). Value of K for each year of the control period shall be determined by the Commission in the MYT Tariff order based on licensee's filing, benchmarking of repair and maintenance expenses, approved repair and maintenance expenses vis-à-vis GFA approved by the Commission in past and any other factor considered appropriate by the Commission;

CPI_{inflation} – is the average increase in the Consumer Price Index (CPI) for immediately preceding three years before the base year;

WPI_{inflation} – is the average increase in the Wholesale Price Index (CPI) for immediately preceding three years before the base year;

EMP_n – employee's cost of the transmission licensee for the nth year;

A&Gn – administrative and general costs of the transmission licensee for the nth year;

R&Mn – repair and maintenance costs of the transmission licensee for the nth year;

GFA_{n-1} – Gross Fixed Asset of the transmission licensee for the n-1th year;

G_n is a growth factor for the nth year. Value of G_n shall be determined by the Commission in the MYT tariff order for meeting the additional manpower requirement based on licensee's filings, benchmarking, and approved cost by the Commission in past and any other factor that the Commission feels appropriate:

Provided that repair and maintenance expenses determined shall be utilised towards repair and maintenance works only.

- 4.69 The Petitioner would like to highlight that though it has calculated R&M expenses based on the Hon'ble Commission MYT Regulations, 2015 it would like to draw attention to the fact that going by the infrastructure increase in its licensed area, it would be pertinent to link R&M to GFA in future and accordingly, requests the Hon'ble Commission to do the needful.

Contribution to Pension and Gratuity (P&G)

- 4.70 As per MYT Regulations, 2015 Regulation 32:

PENSION FUND

For meeting up the past unfunded liabilities of erstwhile CSEB/State Power Companies employees appointed before 1.1.2004, a pension and gratuity trust has been created and funding to the same has been allowed in the past Tariff Orders of the Commission. The contribution to the fund shall be decided by the Commission on the basis of actuarial analysis, expected pension outflow for the State Power Companies and availability of fund with the Pension trust at the time of determination of MYT / ARR for each year of the control period. However, the actual outflow towards the pension payment shall not be allowed in the O&M expenses covered in these Regulations for the Control Period. The pension outflow shall be met by the Pension trust. The pension fund contribution so determined by the Commission shall be recoverable in the same manner as specified in relevant chapters.

Provided till the time SLDC is part of STU, SLDC's share out of the STU contribution shall be decided on pro-rata basis. For the purpose of ratio determination, the employee strength as on 1st April of the preceding year shall be considered.

4.71 The Hon'ble Commission in its MYT Tariff Order dated 30th April 2016 for the control period from FY 2016-17 to FY 2020-21 allowed contribution to Pension and Gratuity (P&G) fund of Rs. 49.16 Crores for FY 2016-17. CSPTCL has considered the actual contribution to pension and gratuity of Rs. 49.16 Crores net of SLDC. The same is as provided in the table below:

Table 26: Terminal Benefits (Pension & Gratuity) (Rs. Crores)

Sr. No	Particulars	FY 2015-16	FY 2016-17	
		True-up order dt. 31.03.2017	MYT order dt. 30.04.2016	Provisional True-up
1	CSPTCL	35.85	49.16	49.16

4.72 CSPTCL would like to request the Hon'ble Commission to approve Rs. 49.16 Crores as P&G contribution for FY 2016-17.

Interest on Working Capital

4.73 Regulation 25 of the MYT Regulations 2015 states that:

25.1. The working capital shall cover:

(c) In case of Transmission business:

i. Operation and maintenance expenses for one (1) month; plus

ii. Maintenance spares @ 40% of repair and maintenance expenses specified in Regulation 47.5; plus

iii. Receivables equivalent to one (1) month of fixed cost.

iv. Less: Amount, if any, held as security deposits from Transmission System users.

4.74 Further, the MYT Regulations, 2015 states that:

25.2 At the time of True-up, the receivables for the computation of working capital requirement of the generating company, STU/transmission licensee, distribution licensee and SLDC will be determined equivalent to one (1) month of actual revenue billed.

25.4. Interest on working capital shall be allowed at a rate equal to the Base rate of State Bank of India as on 30th September of the financial year in which the Petition is filed plus 350 basis points. At the time of true up, the interest rate shall be adjusted as per the actual rate prevailing on 1st April of the financial year for which truing up exercise has been undertaken.

25.5. Interest on working capital shall be payable on normative basis notwithstanding that the generating company or the transmission licensee or the distribution licensee or SLDC has not taken loan for working capital from any outside agency.”

4.75 The Petitioner would like to submit that it has considered one month of O&M Expenses, maintenance spares at 40% of R&M expenses and receivables equivalent to one month of fixed cost for computing the working capital requirement for FY 2016-17.

4.76 The Petitioner has considered the interest rate of 12.80% (9.30% - SBI Base Rate on 01st April 2016 plus 350 basis points) for computing the Interest on Working Capital for provisional true-up of ARR for FY 2016-17.

Table 27: Interest on Working Capital for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2015-16	FY 2016-17	
		True-up order dt. 31.03.2017	MYT order dt. 30.04.2016	Provisional True-up
1	O&M for One Month	15.06	17.85	18.89
2	Maintenance Spares – 40% of R&M Expenses	27.11	11.87	9.60
3	Receivables – 1 Month of Fixed Cost	61.63	68.62	67.07
4	Total WC requirement	103.80	98.34	95.57
5	Less: SD amount from Trans. Users	-	-	
6	Net Working Capital Requirement	103.80	98.34	95.57
7	Rate of Interest on WC	13.50%	13.20%	12.80%
8	Net Interest on Working Capital	14.01	12.98	12.23

4.77 The Petitioner requests the Hon’ble Commission to approve IWC of Rs. 12.23 Crores for provisional true-up of ARR for FY 2016-17.

Prior Period (Income)/ Expense

4.78 CSPTCL would like to submit that the net prior period (income)/ expense for FY 2016-17 as per the accounts is Rs. 0.04 Crores. The details of the same are shown below:

Table 28: Prior Period (Income)/ Expense for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2016-17
		Provisional True-up
1	Prior Period (Income)	(0.08)
a	<i>Other Income related to previous year</i>	<i>0.08</i>
2	Prior Period Expense	0.13
a	<i>Employee Costs</i>	<i>0.13</i>
3	Total Prior Period (Income)/Expense	0.04
4	Less: SLDC Share	-
5	CSPTCL Prior Period (Income)/Expense	0.04

4.79 CSPTCL would like to request the Hon'ble Commission to approve the net prior period expense of Rs. 0.04 Crores for FY 2016-17 based on the accounts of the Petitioner.

Incentive/Penalty on Transmission System Availability Factor (TSAF)

4.80 As per clause 51 of the MYT Regulations 2015, target availability of transmission system has to be specified for the control period for incentive/penalty payable/levied to a transmission licensee.

4.81 The MYT tariff order for the control period from FY 2016-17 to FY 2020-21 dated 30th April 2016, has specified the annual target availability factor for incentive/penalty consideration as 99% for the entire MYT control period from FY 2016-17 to FY 2020-21.

Provided further that no incentive/penalty shall be payable for availability beyond 99.75%

4.82 The transmission licensee shall be entitled to incentive/penalty on achieving the annual availability beyond/lower than the target availability in accordance with the following formula:

Incentive/Penalty = Annual Fixed Charges for that year x (Annual availability achieved – Target availability) / Target availability

4.83 Incentive/Penalty shall be shared equally (50:50) between the transmission licensee and beneficiaries.

4.84 The Petitioner has achieved TSAF of 99.93% for FY 2016-17 as against target availability of 99%, and hence is eligible for incentive payment. It is to be noted that no incentive is payable for availability beyond 99.75%.

4.85 The detailed calculation of the incentive eligible to the Petitioner is as follows:

Table 29: Incentive for higher transmission system availability for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2016-17
1	Annual Transmission System Availability Factor	99.93%
2	Annual Transmission System Target Availability Factor	99.00%
3	Max availability factor that can be claimed for incentive	99.75%
4	Incentive/(Penalty) to be claimed (Rs. Crores)	6.10
5	Sharing of gain/(loss) (50%) (Rs. Crores)	3.05

4.86 The incentive eligible to the Petitioner on account of achieving higher transmission system availability factor for FY 2016-17 is Rs. 3.05 Crores.

4.87 In view of the above, CSPTCL would like to submit that it has achieved better performance by achieving TSAF of 99.93% in comparison to normative TSAF of 99%.

Non - Tariff Income

4.88 The Petitioner has considered Rs. 23.63 Crores as non-tariff income for CSPTCL and Rs. 1.18 Crores for SLDC based on data shared by CSLDC. The Petitioner has claimed non-tariff income as per the below table for FY 2016-17.

Table 30: Non – Tariff Income (Rs. Crores)

Sr. No	Particulars	FY 2015-16	FY 2016-17	
		True-up order dt. 31.03.2017	MYT order dt. 30.04.2016	Provisional True-up
1	Non-Tariff Income	13.33	22.35	23.63

4.89 Thus, CSPTCL would like to request the Hon'ble Commission to approve Non – Tariff Income of Rs. 23.63 Crores for FY 2016-17 based on the accounts.

Aggregate Revenue Requirement (ARR) for FY 2016-17

4.90 Based on the submission in the above paragraphs, the Aggregate Revenue Requirement (ARR) for FY 2016-17 is as shown below:

Table 31: Aggregate Revenue Requirement (ARR) for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2015-16	FY 2016-17	
		True-up order dt. 31.03.2017	MYT order dt. 30.04.2016	Provisional True-up
1	Employee Expenses	150.62	155.59	177.44
2	A&G Expenses	35.80	28.96	48.81
3	R&M Expenses	27.33	29.68	24.00
4	Terminal Benefits	35.85	49.16	49.16
5	Interim Wage Relief	15.23	11.75	-
6	Less: Capitalization of Employee, R&M and A&G Expenses	24.88	-	23.54
7	Depreciation	161.73	181.66	175.12
8	Interest on Loan	205.35	224.71	193.37
9	Interest on Working capital	14.01	12.98	12.23
10	Prior Period (Income) / Expenses	-4.83	-	0.04
11	Return on Equity	136.17	151.34	146.26
12	Gain/(Loss) on sharing O&M efficiency	-4.07	-	1.39
13	Incentive on Transmission Availability	-	-	3.05
14	Current Tax	7.65	-	21.17
15	Total	755.97	845.83	828.50
16	Less: Non-Tariff Income	13.33	22.35	23.63
17	Aggregate Revenue Requirement (ARR)	742.63	823.49	804.88

4.91 Thus, CSPTCL would like to request the Hon'ble Commission to approve Aggregate Revenue Requirement (ARR) of Rs. 804.88 Crores for provisional true-up of ARR for FY 2016-17 as shown above.

Transmission Income

4.92 The transmission income for FY 2016-17 as per the accounts is Rs. 913.39 Crores.

4.93 The break-up of revenue from operations for CSPTCL for FY 2016-17 is as shown below.

Table 32: Revenue break-up for FY 2016-17 (Rs. Crores)

Sr. No	Particulars	FY 2016-17
1	AFC for FY 2016-17 as approved in MYT order dated 30.04.2016	823.49
2	Gap/(Surplus) of FY 2014-15 with carrying cost upto FY 2016-17 as approved in MYT order dated 30.04.2016	(0.36)
3	Impact due to compliance of APTEL judgement in appeal no. 308/2013	90.27
4	Total annual transmission charges to be billed for FY 2016-17	913.39

4.94 The Petitioner has billed the transmission charges of Rs. 913.39 Crores as approved for FY 2016-17 as per the MYT order dated 30th April 2016.

4.95 Thus, CSPTCL would like to request the Hon'ble Commission to approve Income from Transmission Operation of Rs. 913.39 Crores for FY 2016-17 as shown above.

Standalone Revenue Surplus / (Deficit)

4.96 The standalone revenue surplus / (deficit) for FY 2016-17 is as follows:

Table 33: Standalone Revenue Surplus / (Deficit) (Rs. Crores)

Sr. No	Particulars	FY 2016-17
		Provisional True-up
1	Aggregate Revenue Requirement	804.88
2	Less: Transmission Income allowed as AFC for FY 2016-17	823.49
3	Standalone Revenue Surplus / (Deficit)	18.61

4.97 It is to be noted that surplus of FY 2014-15 along with carrying cost upto FY 2016-17 has been adjusted against the corresponding revenue recovery allowed in FY 2016-17. Similarly, the revenue gap on account of the impact due to compliance of APTEL judgement in appeal no. 308/2013 of Rs. 90.27 Crores has been adjusted against the corresponding revenue recovery allowed during FY 2016-17. This results in NIL carried forward opening revenue (gap)/surplus for FY 2016-17.

4.98 Thus, CSPTCL would like to request the Hon'ble Commission to approve stand-alone Revenue Surplus of Rs. 18.61 Crores as shown above along with the carrying cost for FY 2016-17 and FY 2017-18, which will be adjusted in the ARR for FY 2018-19 accordingly.

5: TARIFF PROPOSAL FOR LTOA/STOA/MTOA FOR FY 2018-19

- 5.1 As per Chhattisgarh State Electricity Regulatory Commission (Connectivity & Intrastate Open Access) Regulation 2011 clause 33 of PART 8, Open access charges for using State Grid have been defined. The amendment in the Chhattisgarh State Electricity Regulatory Commission (Connectivity and Intra-State Open Access) First Amendment - Regulations, 2012 has also been incorporated in the below mentioned extract of clause 33 related to open access charges in the principal regulations.

Transmission Charges

- 5.2 The transmission charges for use of the transmission system of the STU/Transmission licensee for intra-state transmission shall be regulated as under:

(a) The transmission charges for use of the intra-State transmission system shall be recovered from the long-term open access customers and the medium-term open access customers in accordance with terms and conditions of tariff specified by the Commission from time to time. These charges shall be as determined by the Commission under section 62(1) (b) of the Act, and shall be applicable as per the tariff order issued by the Commission from time to time. These charges shall be shared by the long-term open access customers and medium-term open access customers as per allotted capacity proportionately. Provided further that the transmission charges for using State grid by the long-term or medium-term open access customers for inter-State power transaction shall be shared on the basis of capacity allotted by the Central Transmission Utility (CTU).

Illustration: The basis for sharing of transmission charges shall be the maximum demand in MW served by the intra-state transmission system of the transmission licensee in the previous FY.

Suppose, the maximum demand in previous FY 2015-16 is 3000 MW.

The capacity contracted by long-term open access customer is 50 MW.

The capacity contracted by medium-term open access customer is 20 MW.

The capacity served for distribution licensee shall be $3000 - 50 - 20 = 2930$ MW

Suppose if annual estimated and approved transmission charge for FY 2016-17 is Rs. 300 crores, then monthly transmission charges for the FY 2016-17 shall be shared as follows:

Distribution licensee= $(300 \times 2930) / (3000 \times 12) = \text{Rs } 24.4166 \text{ crores}$

Long-term open access customer= $(300 \times 50) / (3000 \times 12) = \text{Rs } 0.4166 \text{ crores}$

Medium-term open access customer= $(300 \times 20) / (3000 \times 12) = \text{Rs } 0.1666 \text{ crores}$

(b) The transmission charges shall be payable by the short-term open access customer for the energy approved /contracted for bilateral transaction at the point or points of injection. The energy approved shall be computed by considering the reserved capacity for bilateral transaction. The transmission charges payable by a short-term open access customer for the use of intrastate transmission system shall be calculated in accordance with the following methodology:

ST_RATE = TSC / Net annual estimated energy input to the transmission system of STU/transmission licensee for the relevant year,

Where:

ST_RATE is the rate for short-term open access customer in Rs. per kWh or in Rs/MWh

"TSC" means the annual transmission charges or annual revenue requirement on account of the transmission system as determined by the Commission. The transmission charges for use of intra-state transmission system for all type of transactions (bilateral or collective inter-State transactions through exchanges) shall be the same.

Illustration: Suppose if annual estimated and approved transmission charge for the FY 2016-17 is Rs 300 crores, and net annual estimated energy input to the transmission system of STU for the FY 2016-17 is 15000 MU.

ST_RATE = $300/15000 = 20 \text{ paisa per kWh}$ Or $ST_RATE = \text{Rs } 200/\text{MWh}$

Provided that the transmission charges for using State grid for short-term inter-State bilateral transaction shall be at the rate specified by the Commission from time to time for the energy approved by the Regional Load Despatch Centre for transmission at the point / points of injection.

Provided further that the transmission charges for using State grid for short-term inter-State collective transactions shall be at the rate specified by the Commission from time to time for energy approved by the National Load Despatch Centre for transmission separately for each point of injection and for each point of drawal.

(c) The revenue thus earned from the short-term open access customers by the STU/ transmission licensee for bilateral transaction and collective transaction in a month shall be directly disbursed to the long term and medium term customers to reduce the transmission charges of the long-term and medium term open access customers for the successive months in proportion to monthly charges payable to them. The STU/ transmission licensee shall maintain separate account for the revenue earned from short-term customers and shall submit it to the Commission.

- 5.3 Based on the above regulation and methodology illustrated therein, Hon'ble Commission, since the tariff order dated 28th April 2012, is deriving the estimated energy input or energy to be handled by Petitioner for determining the short term open access charges for the respective years of the control period, from maximum demand met out of preceding year. Estimated energy handled by CSPTCL to determine the short term open access charges in the previous tariff orders by the Hon'ble Commission is tabulated below:

Table 34: STOA Charges as determined by the Hon'ble Commission in Past TO's

Sr. No	Particulars	TO 28.04.2012	TO 12.07.2013	TO 12.06.2014	TO 23.05.2015	TO 30.04.2016	TO 31.03.2017
	STOA Charges for the year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18
1.	ARR Approved in Rs Crores	546.55	600.08	765.64	834.92	913.39	813.59
2.	Previous Years Max Demand recorded in MW	3274	3455	3694	3948	4262	4500
3.	Energy Input in MU considering 85% Load Factor	24378	25726	27505	29396	31735	33507
4.	STOA Charges in Paisa/Kwh	22.40	23.30	27.80	28.40	28.80	24.00

Proposed STOA Charges

- 5.4 The Commission has considered the 4500 MW maximum demand during FY 2015-16 for arriving at the short term open access charges for the year FY 2016-17. Keeping in view of the fact that actual unrestricted maximum demand recorded during FY 2017-18 was 4318 MW in September 2017 and looking in to the past trends, CSPTCL is considering approximately 4500 MW unrestricted maximum demand to be met in FY 2017-18 for arriving at short term open access charges for the FY 2018-19. Actual demand observed for FY 2017-18 shall be intimated to the Hon'ble Commission at the end of the financial year.

Table 35: Proposed STOA Charges for FY 2018-19

Sr. No	Particulars	FY 2018-19
1	ARR approved in Tariff Order dated 30.04.2016 (Rs. Crores)	993.46
2	Less: surplus with holding cost till FY 2018-19 (Rs. Crores)	25.07
3	Total ARR for FY 2018-19 (Rs. Crores)	968.39
4	Max Demand Projected in MW	4500.00
5	Energy Input in MU considering 85% Load Factor	33507.00
6	STOA Charges in Paisa/Kwh	28.90

Proposed Long & Medium term open access charges

- 5.5 The long term & medium term open access customers including CSPDCL shall pay monthly transmission charges as per ARR & MW capacity as approved for the respective FY's of the Control Period by Hon'ble Commission.
- 5.6 The Hon'ble Commission is requested to approve the above transmission charges.

6: COMPLIANCE OF DIRECTIVES

6.1 The Compliance of Directives is as below:

Directives issued vide Tariff Order Dated 31/03/2017

Sr. No	Subject matter	Directives	Action taken
1.	HT and EHT Connections	CSPTCL should ensure that HT and EHT connections are released in accordance with the timelines specified in the Supply Code. For this purpose, CSPTCL should coordinate with CSPDCL, and submit quarterly report to the Commission.	CSPTCL has made all possible efforts for developing infrastructure timely to extend power supply to EHV/ HV consumers in co-ordination with CSPDCL. Progress in this regard is reviewed periodically and techno-commercial requirements are fulfilled timely. CSPTCL has submitted regular quarterly progress reports in this regard for the period from April 2016 to March 2017 before the Commission. Copy of the quarterly reports for FY 2016-17 is enclosed as Annexure - 8
2.	Quarterly Reports	Quarterly Report should be submitted to the Commission on the progress of implementation of the approved CIP.	CSPTCL has submitted regular quarterly progress reports in this regard for the period from April 2016 to March 2017 before the Commission. For the quarter ending March'17 has been submitted vide letter No.02-12/358 dated 26 th April 2017. Copy of the quarterly reports for FY 2016-17 is enclosed as Annexure - 8
3.	Financial Books	CSPTCL should maintain its financial books in a way that it reflects the expenses and revenue related to heads defined in Tariff Regulations and other applicable Regulations. For example, Revenue of CSPTCL should reflect the bills raised to CSPDCL against LTOA, MTOA and STOA charges as well as bills raised to other open access consumers against LTOA, MTOA and STOA charges. Delayed Payment Surcharge billed to CSPDCL and other open access customers (if any) should be indicated separately.	Necessary compliance has been made as per the directives. The same is also reflecting in the provisional accounts of the Petitioner for FY 2016-17.

7: ANNEXURES**Annexure – 1: WPI Index**

Particulars	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17
April	124	125	139	152	164	171	181	176	178
May	124	126	139	152	164	171	182	178	180
June	127	127	140	153	165	173	183	179	183
July	129	128	141	154	166	176	185	178	184
August	129	130	141	155	167	179	186	177	183
September	129	130	142	156	169	181	185	177	183
October	129	131	143	157	169	181	184	177	184
November	127	133	144	157	169	182	181	178	184
December	125	133	146	157	169	180	179	177	183
January	124	135	148	159	170	179	177	175	185
February	123	135	148	159	171	180	176	174	186
March	124	136	150	161	170	180	176	175	186
Average	126	131	143	156	168	178	181	177	183
% increase		3.81%	9.56%	8.94%	7.35%	5.98%	2.00%	-2.49%	3.67%
Avg. of last 5 year preceding base year i.e. FY 16							6.77%		

Annexure - 2: Injection of Power (In MU) by 132 kV & above CPPs/IPPs/Biomass in FY 2016-17

S. No.	CPP/IPP	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Cumulative
1	ACC	0.000	0.000	0.000	0.000	0.015	0.080	0.106	0.002	0.008	0.010	0.008	0.008	0.24
2	ACME Solar Power Plant Jhalap	4.369	4.657	4.021	2.813	3.027	2.892	3.922	4.079	4.101	4.084	4.240	4.566	46.77
3	Alok Ferro & Alloys Ltd. (AFAL)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
4	Ambuja Cement Ltd., Balodabazar	0.001	0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.002	0.001	0.01
5	Aresmeta Captive	0.001	0.001	0.001	0.001	0.001	0.001	0.001	5.264	26.739	26.572	23.160	28.507	110.25
6	Aryan Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
7	Azure power Dhamdha	4.482	4.444	3.805	3.016	2.791	3.029	4.597	4.128	4.216	4.388	4.484	4.817	48.19
8	Chhattisgarh Steel Power Ltd. (CSPL)	0.000	0.000	0.000	0.000	0.000	0.242	0.813	0.485	0.419	0.529	0.618	0.599	3.71
9	Emami Cement Ltd., Balodabazar	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.567	0.355	0.049	0.183	0.213	1.37
10	Godawari Power (GPIL)	2.444	2.329	2.018	2.065	2.389	1.509	1.415	1.441	1.333	1.595	1.336	1.487	21.36
11	Grasim Cement Rawan	0.000	0.000	0.013	0.013	0.018	0.001	0.006	0.001	0.001	0.012	0.024	0.006	0.09
12	Heera Ferro & Alloys Ltd. (HFAL), Urla	0.067	0.064	0.055	0.065	0.055	0.020	0.035	0.049	0.051	0.047	0.043	0.043	0.59
13	Heera Power & Steel Ltd. (HPSL)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
14	Ind Syenergy Ltd.	0.001	0.000	0.000	0.001	0.000	0.011	0.021	0.001	0.000	0.000	0.000	0.000	0.03
15	Jagdamba Power & Alloys Ltd. (JPAL)	0.002	0.002	0.002	0.001	0.003	0.002	0.002	0.002	0.002	0.003	0.001	0.002	0.02

S. No.	CPP/IPP	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Cumulative
16	Jaiswal Neco	1.180	3.977	1.228	1.645	1.269	2.978	2.382	1.923	1.862	1.461	0.926	0.099	20.93
17	Jindal Power Ltd. Raigarh	0.000	0.009	0.010	0.024	0.033	0.008	0.03	0.023	0.025	0.021	0.015	0.016	0.21
18	Jindal Steel and Power Ltd. Raigarh	54.368	54.163	52.540	53.410	37.108	37.875	43.829	39.550	41.393	21.757	18.547	25.98 2	480.52
19	KVK Bio Energy Ltd.	0.000	3.944	4.237	3.669	2.747	1.827	5.650	4.631	8.902	8.904	8.146	7.177	59.83
20	Mahavir Energy	7.045	5.963	6.330	6.361	5.202	0.858	7.293	6.827	6.848	7.375	6.378	7.474	73.95
21	Monnet Ispat & Energy, Kharsiya (MIEL)	2.051	3.953	2.791	1.516	1.520	1.480	3.161	7.496	13.434	15.301	15.271	9.988	77.96
22	Monnet Ispat & Energy, MH (MIELMH)	1.597	1.892	1.911	2.393	2.261	2.145	0.735	0	0	0	0	0	12.94
23	MSPSPL	0.497	0.651	0.583	0.285	0.329	0.320	0.351	0.382	0.521	0.920	0.724	0.859	6.42
24	Prakash Industries Ltd. (PIL)	1.440	1.574	1.813	1.654	1.094	1.494	1.428	0.841	1.356	1.912	1.868	2.420	18.89
25	Real Ispat & Power Ltd. (RIPL)	0.302	0.221	0.464	0.180	0.182	0.213	0.229	0.192	0.313	0.150	0.128	0.139	2.71
26	RR Energy (RREL)	9.051	7.817	9.339	7.812	8.392	8.707	9.154	4.633	8.460	9.407	8.674	7.603	99.05
27	S.V. Power, Renki	0.136	18.654	4.760	5.480	19.582	26.140	33.230	20.938	33.380	27.556	36.464	32.34	258.65
28	Salasar Sponge & Power Ltd.	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
29	Sharda Energy & Minerals (SEML)	2.542	2.642	2.561	2.362	2.578	1.240	1.444	1.733	1.773	1.601	1.523	1.607	23.61
30	Shree Cement Ltd., Baloda Bazar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.040	0.115	0.18
31	Shri Bajrang Power & Ispat (SBPIL) Borjhara	0.455	0.508	0.513	0.000	0.000	0.280	0.665	0.513	0.534	0.649	0.231	0.446	4.80

S. No.	CPP/IPP	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Cumulative
32	Shri Bajrang Power & Ispat (SBPIL) Urla	0.501	0.581	0.673	0.696	0.743	0.344	0.448	0.731	0.834	0.845	0.678	0.698	7.77
33	Shri Nakoda Ispat Ltd. (SNIL)	0.245	0.287	0.258	0.229	0.190	0.210	0.254	0.130	0.163	0.327	0.236	0.220	2.75
34	SKS Ispat & Power Ltd. (SKSIPL)	2.686	2.646	3.842	5.327	2.177	2.004	2.149	1.685	1.574	1.995	1.917	2.060	30.06
35	Swastik Minerals, Kanberi	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
36	Ultra tech Cement Ltd. (UTCL) ,Hirmi	0.008	0.004	0.006	0.008	0.017	0.010	0.008	0.012	0.023	0.002	0.007	0.003	0.11
37	Vandana Global (VGL)	1.720	1.541	0.962	1.363	1.452	0.614	0.110	0.0693	0.012	0.049	0.092	0.171	8.15
38	Vandana Vidyut	4.655	5.301	5.008	2.621	4.842	4.905	5.436	5.203	5.454	5.473	4.908	5.365	59.17
	TOTAL IPP/CPP INJECTION	101.84	127.82	109.74	105.00	100.016	101.440	128.90	113.531	164.08	143.019	140.871	145.0	1481.3

Annexure – 3: Net Drawl of Chhattisgarh in FY 2016-17 (IN MWhr)

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Apr-16			May-16			Jun-16		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
1	400 KV RAIPUR PGCIL	ICT-I	91,647.23	0.00	91,647.23	88,774.07	0.00	88,774.07	86,049.53	0.00	86,049.53
2		ICT-II	90,380.58	0.00	90,380.58	87,514.36	0.00	87,514.36	85,139.12	0.00	85,139.12
3		ICT-III	84,573.89	0.00	84,573.89	82,189.20	0.00	82,189.20	79,930.91	0.00	79,930.91
4	400 KV Khedamara	KSTPS-1	2,51,277.37	0.00	2,51,277.37	2,43,395.34	0.00	2,43,395.34	2,32,458.17	0.00	2,32,458.17
5		KSTPS-2	2,55,048.86	0.00	2,55,048.86	2,48,171.04	0.00	2,48,171.04	2,36,476.79	0.00	2,36,476.79
6		RAIPUR PGCIL-1	0.00	-1,37,765.81	-1,37,765.81	0.00	1,04,309.53	-1,04,309.53	0.00	-75,467.19	-75,467.19
7		SEONI-1	0.00	-1,97,279.25	-1,97,279.25	0.00	1,89,394.03	-1,89,394.03	0.00	2,12,511.62	2,12,511.62
8		KORADI-1	0.00	-2,30,452.58	-2,30,452.58	0.00	2,15,786.47	-2,15,786.47	0.00	2,13,501.74	2,13,501.74
9		BHADRAWA TI-1	0.00	-2,65,195.49	-2,65,195.49	0.00	2,84,444.64	-2,84,444.64	0.00	2,43,253.00	2,43,253.00

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Apr-16			May-16			Jun-16		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
10		BHATAPARA PGCIL	88,414.11	0.00	88,414.11	1,04,948.10	0.00	1,04,948.10	1,01,388.97	0.00	1,01,388.97
11	400 KV RAIGARH PG	ICT-1	98,595.18	0.00	98,595.18	51,170.20	0.00	51,170.20	21,894.50	0.00	21,894.50
12		ICT-2	98,959.41	0.00	98,959.41	51,316.51	0.00	51,316.51	21,961.37	0.00	21,961.37
13	400 KV KORBA(W)	KSTPS	2,54,272.57	0.00	2,54,272.57	2,70,932.42	0.00	2,70,932.42	2,58,152.13	0.00	2,58,152.13
14	400 KV Bhatapara PG	ICT-1	1,25,361.37	0.00	1,25,361.37	1,03,398.21	0.00	1,03,398.21	97,574.83	0.00	97,574.83
15		ICT-2	1,24,968.68	0.00	1,24,968.68	1,06,444.66	0.00	1,06,444.66	98,871.97	0.00	98,871.97
16	200 KV KOTMIKALA	Anuppur-1	0.00	-28,264.07	-28,264.07	0.00	-32,682.48	-32,682.48	0.00	-40,380.83	-40,380.83
17		Anuppur-2	0.00	-26,578.08	-26,578.08	0.00	-32,738.11	-32,738.11	0.00	-40,926.92	-40,926.92
18	200 KV RAIGARH	B'PADAR-1	3,958.74	0.00	3,958.74	0.00	-4,211.06	-4,211.06	61,922.03	0.00	61,922.03
19	220 KV KORBA(E)	B'PADAR-2	0.00	-40,321.54	-40,321.54	0.00	-37,736.56	-37,736.56	0.00	-129.68	-129.68
20		B'PADAR-3	0.00	-39,513.39	-39,513.39	0.00	-38,965.86	-38,965.86	0.00	-33.58	-33.58

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Apr-16			May-16			Jun-16		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
21	132 KV D'GARH	BALGHAT	0.00	-32,381.54	-32,381.54	0.00	-31,627.07	-31,627.07	0.00	-31,316.50	-31,316.50
22	SIPAT NTPC	SUT2&3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	Adjst.	value	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	132 KV Manendragarh	AMARKANT AK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	ADJUSTMENT	VALUES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	220KV NSPCL	BSP LINE-1	90,775.41	0.00	90,775.41	65,804.14	0.00	65,804.14	53,570.96	0.00	53,570.96
27	220KV NSPCL	BSP LINE-2	90,734.84	0.00	90,734.84	65,597.52	0.00	65,597.52	53,456.17	0.00	53,456.17
28	220KV NSPCL	BSP LINE-3	55,379.95	0.00	55,379.95	49,076.85	0.00	49,076.85	45,803.79	0.00	45,803.79
29	220KV NSPCL	BSP LINE-4	56,100.32	0.00	56,100.32	51,721.38	0.00	51,721.38	49,232.21	0.00	49,232.21
30	ICT-1&2 Loss	at NSPCL	5,078.47	0.00	5,078.47	4,057.19	0.00	4,057.19	3,543.79	0.00	3,543.79
B	220KV BHILAI -BSP CKT-I/II (IMP/EXP) at CPPs/IPPs/Remote End/220 KV side of ICTs (Source: CE (S/s:O&M), CSPTCL)										
1	220 KV KHEDAMARA-BSP-I		63,358.00	-352.00	63,006.00	29,874.00	-503.00	29,371.00	14,943.00	-1,937.00	13,006.00

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF	Apr-16			May-16			Jun-16		
Sl. No.	Drawl point/Name of ICT/Feeder	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
2	220 KV KHEDAMARA-BSP-II	63,265.00	-349.00	62,916.00	29,957.00	-481.00	29,476.00	15,095.00	-1,871.00	13,224.00
C	Drawal (A+B) CHATTISGARH	19,92,149.98	-9,98,452.76	9,93,697.2 2	17,34,342.18	- 9,72,879.8 1	7,61,462.37	16,17,465.2 4	- 8,61,329.0 6	7,56,136.1 8
D	NET DRAWL of CG (C-26,27,28,29 &30)	16,94,080.99	-9,98,452.76	6,95,628.2 3	14,98,085.10	- 9,72,879.8 1	5,25,205.29	14,11,858.3 1	- 8,61,329.0 6	5,50,529.2 5
	NET DRAWL of CG (in MU)	1,694.08	-998.45	695.63	1,498.09	-972.88	525.21	1,411.86	-861.33	550.53
		1,865.53	-997.75	867.78	1,674.51	-971.90	702.62	1,587.43	-857.52	729.91

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Jul-16			Aug-16			Sep-16		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
1	400 KV RAIPUR PGCIL	ICT-I	85,872.51	0.00	85,872.51	88,259.16	0.00	88,259.16	99,236.47	0.00	99,236.47
2		ICT-II	85,018.11	0.00	85,018.11	86,591.70	0.00	86,591.70	97,567.31	0.00	97,567.31
3		ICT-III	79,780.00	0.00	79,780.00	82,020.47	0.00	82,020.47	91,649.78	0.00	91,649.78
4	400 KV Khedamara	KSTPS-1	1,85,578.68	0.00	1,85,578.68	1,86,048.90	0.00	1,86,048.90	1,67,498.42	0.00	1,67,498.42
5		KSTPS-2	1,87,675.70	0.00	1,87,675.70	1,88,409.15	0.00	1,88,409.15	1,64,154.29	0.00	1,64,154.29
6		RAIPUR PGCIL-1	0.00	-27,152.22	-27,152.22	0.00	-62,910.83	-62,910.83	1,06,277.23	0.00	1,06,277.23
7		SEONI-1	0.00	-1,65,907.99	-1,65,907.99	0.00	-1,41,355.85	-1,41,355.85	0.00	-1,77,889.00	-1,77,889.00
8		KORADI-1	0.00	-2,26,653.07	-2,26,653.07	0.00	-1,92,160.06	-1,92,160.06	0.00	-1,86,191.19	-1,86,191.19
9		BHADRAW ATI-1	0.00	-1,56,716.00	-1,56,716.00	0.00	-1,49,114.03	-1,49,114.03	0.00	-1,59,197.30	-1,59,197.30
10		BHATAPA RA PGCIL	43,550.98	0.00	43,550.98	23,038.14	0.00	23,038.14	44,195.16	0.00	44,195.16

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Jul-16			Aug-16			Sep-16		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
11	400 KV RAIGARH PG	ICT-1	38,521.85	0.00	38,521.85	37,805.36	0.00	37,805.36	67,204.03	0.00	67,204.03
12		ICT-2	38,521.98	0.00	38,521.98	35,135.65	0.00	35,135.65	48,394.53	0.00	48,394.53
13	400 KV KORBA(W)	KSTPS	1,12,373.30	0.00	1,12,373.30	1,94,658.26	0.00	1,94,658.26	1,92,656.35	0.00	1,92,656.35
14	400 KV Bhatapara PG	ICT-1	1,10,084.19	0.00	1,10,084.19	1,06,181.44	0.00	1,06,181.44	1,12,549.63	0.00	1,12,549.63
15		ICT-2	1,11,607.41	0.00	1,11,607.41	1,11,843.61	0.00	1,11,843.61	1,14,214.75	0.00	1,14,214.75
16	200 KV KOTMIKALA	Anuppur-1	0.00	-52,179.94	-52,179.94	0.00	-50,653.09	-50,653.09	0.00	-37,202.47	-37,202.47
17		Anuppur-2	0.00	-52,358.29	-52,358.29	0.00	-50,777.03	-50,777.03	0.00	-37,340.50	-37,340.50
18	200 KV RAIGARH	B'PADAR-1	69,553.57	0.00	69,553.57	76,296.89	0.00	76,296.89	46,734.68		46,734.68
19	220 KV KORBA(E)	B'PADAR-2	6,826.24	0.00	6,826.24	906.02	0.00	906.02	0.00	-22,226.40	-22,226.40
20		B'PADAR-3	6,044.06	0.00	6,044.06	1,216.59	0.00	1,216.59	0.00	-21,065.17	-21,065.17
21	132 KV D'GARH	BALGHAT	0.00	-22,430.18	-22,430.18	0.00	-17,460.85	-17,460.85	0.00	-19,110.97	-19,110.97
22	SIPAT NTPC	SUT2&3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Jul-16			Aug-16			Sep-16		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
23	Adjst.	value	0.00	0.00	0.00	0.00	0.00	0.00	7.42	0.00	7.42
24	132 KV Manendragar h	AMARKAN TAK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	ADJUSTMENT	VALUES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	220KV NSPCL	BSP LINE-1	65,258.54	0.00	65,258.54	58,017.23	0.00	58,017.23	50,183.33	0.00	50,183.33
27	220KV NSPCL	BSP LINE-2	65,150.69	0.00	65,150.69	57,946.00	0.00	57,946.00	50,093.47	0.00	50,093.47
28	220KV NSPCL	BSP LINE-3	50,189.62	0.00	50,189.62	48,480.62	0.00	48,480.62	44,908.90	0.00	44,908.90
29	220KV NSPCL	BSP LINE-4	51,790.56	0.00	51,790.56	51,113.63	0.00	51,113.63	47,389.47	0.00	47,389.47
30	ICT-1&2 Loss	at NSPCL	4,504.58	0.00	4,504.58	3,945.39	0.00	3,945.39	3,908.81	0.00	3,908.81
B	220KV BHILAI -BSP CKT-I/II (IMP/EXP) at CPPs/IPP/Remote End/220 KV side of ICTs (Source: CE (S/s:O&M), CSPTCL)										
1	220 KV KHEDAMARA-BSP-I		27,508.00	-6.00	53,618.00	20,488.00	-1,157.00	41,048.00	11,593.00	-440.00	23,335.00
2	220 KV KHEDAMARA-BSP-		26,110.00	-5.00	-11.00	20,560.00	-1,126.00	-2,283.00	11,742.00	-408.00	-848.00

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Jul-16			Aug-16			Sep-16		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
	II										
C	Drawal (A+B)	CHATTISGARH	14,51,520.58	-7,03,408.69	7,48,111.88	14,78,962.22	-6,66,714.74	8,12,247.48	15,72,159.04	-6,61,071.0	9,11,088.03
D	NET DRAWL of CG (C-26,27,28,29 &30)		12,14,626.59	-7,03,408.69	5,11,217.90	12,59,459.35	-6,66,714.74	5,92,744.60	13,75,675.06	-6,61,071.0	7,14,604.05
NET DRAWAL CHATTISGARH (In MU)			1,214.63	-703.41	511.22	1,259.46	-666.71	592.74	1,375.68	-661.07	714.60
			1,397.90	-703.40	694.50	1,437.91	-664.43	773.48	1,548.82	-660.22	888.60

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Oct-16			Nov-16			Dec-16		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
1	400 KV RAIPUR PGCIL	ICT-I	82148.18	0.00	82,148.18	64,992.62	0.00	64,992.62	77,293.38	0.00	77,293.38
2		ICT-II	81088.51	0.00	81,088.51	63,646.43	0.00	63,646.43	76,349.85	0.00	76,349.85
3		ICT-III	76058.26	0.00	76,058.26	60,062.43	0.00	60,062.43	70,670.58	0.00	70,670.58
4	400 KV Khedamara	KSTPS-1	191860.62	0.00	1,91,860.62	2,02,186.02	0.00	2,02,186.02	1,98,258.46	0.00	1,98,258.46
5		KSTPS-2	194171.92	0.00	1,94,171.92	2,04,527.56	0.00	2,04,527.56	1,98,836.42	0.00	1,98,836.42
6		RAIPUR PGCIL-1	0.00	-111019.78	-1,11,019.78	0.00	-1,74,628.13	-1,74,628.13	0.00	-1,09,309.60	-1,09,309.60
7		SEONI-1	0.00	-210141.30	-2,10,141.30	0.00	-2,25,005.88	-2,25,005.88	0.00	-2,43,581.95	-2,43,581.95
8		KORADI-1	0.00	-219286.90	-2,19,286.90	0.00	-2,06,509.82	-2,06,509.82	0.00	-2,35,923.77	-2,35,923.77
9		BHADRAWA TI-1	0.00	-177805.45	-1,77,805.45	0.00	-2,06,718.47	-2,06,718.47	0.00	-2,05,291.39	-2,05,291.39
10		BHATAPAR A PGCIL	66403.60	0.00	66,403.60	90,380.58	0.00	90,380.58	73,340.73	0.00	73,340.73
11	400 KV RAIGARH PG	ICT-1	46701.57	0.00	46,701.57	54,608.18	0.00	54,608.18	54,077.45	0.00	54,077.45
12		ICT-2	46854.37	0.00	46,854.37	55,124.35	0.00	55,124.35	54,233.65	0.00	54,233.65

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Oct-16			Nov-16			Dec-16		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
13	400 KV KORBA(W)	KSTPS	28461.32	0.00	28,461.32	1,21,339.25	0.00	1,21,339.25	28,180.60	0.00	28,180.60
14	400 KV Bhatapara PG	ICT-1	90153.81	0.00	90,153.81	83,489.45	0.00	83,489.45	85,846.64	0.00	85,846.64
15		ICT-2	102012.69	0.00	1,02,012.69	84,389.31	0.00	84,389.31	86,572.86	0.00	86,572.86
16	200 KV KOTMIKALA	Anuppur-1	0.00	-43884.85	-43,884.85	0.00	-52,434.90	-52,434.90	0.00	-45,396.33	-45,396.33
17		Anuppur-2	0.00	-44277.42	-44,277.42	0.00	-52,708.00	-52,708.00	0.00	-45,771.99	-45,771.99
18	200 KV RAIGARH	B'PADAR-1	50173.27	0.00	50,173.27	7,296.88	0.00	7,296.88	15,987.76	0.00	15,987.76
19	220 KV KORBA(E)	B'PADAR-2	0.00	-23404.11	-23,404.11	0.00	-40,876.65	-40,876.65	0.00	-35,310.42	-35,310.42
20		B'PADAR-3	0.00	-22927.41	-22,927.41	0.00	-38,453.47	-38,453.47	0.00	-33,879.62	-33,879.62
21	132 KV D'GARH	BALGHAT	0.00	-15095.34	-15,095.34	0.00	-32,267.33	-32,267.33	0.00	-38,176.46	-38,176.46
22	SIPAT NTPC	SUT2&3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	Adjst.	value	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	132 KV Manendragar	AMARKANT AK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Oct-16			Nov-16			Dec-16		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
	h										
25	ADJUSTMENT	VALUES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	220KV NSPCL	BSP LINE-1	41666.89	0.00	41,666.89	46,063.95	0.00	46,063.95	54,634.72	0.00	54,634.72
27	220KV NSPCL	BSP LINE-2	41469.89	0.00	41,469.89	46,052.22	0.00	46,052.22	54,231.26	0.00	54,231.26
28	220KV NSPCL	BSP LINE-3	43911.02	0.00	43,911.02	42,977.04	0.00	42,977.04	45,463.79	0.00	45,463.79
29	220KV NSPCL	BSP LINE-4	44723.95	0.00	44,723.95	44,840.75	0.00	44,840.75	47,481.97	0.00	47,481.97
30	ICT-1&2 Loss	at NSPCL	3519.79	0.00	3,519.79	3,610.47	0.00	3,610.47	4,038.35	0.00	4,038.35
B	220KV BHILAI -BSP CKT-I/II (IMP/EXP) at CPPs/IPP/Remote End/220 KV side of ICTs (Source: CE (T&C), CSPTCL)										
1	220 KV KHEDAMARA-BSP-I		3,762.00	-4,795.00	7,545.00	10,075.00	-1,374.00	20,267.00	18,866.00	-844.00	37,686.00
2	220 KV KHEDAMARA-BSP-II		3,783.00	-4,068.00	-8,863.00	10,192.00	-1,322.00	-2,696.00	18,820.00	-805.00	-1,649.00
C	Drawal (A+B)	CHATTISGARH	12,38,924.66	-8,76,705.56	3,62,219.10	12,95,854.49	-10,32,298.66	2,63,555.83	12,63,184.46	-9,94,290.52	2,68,893.94
D	NET DRAWL of CG (C-26,27,28,29 &30)		10,63,633.11	-8,76,705.56	1,86,927.55	11,12,310.05	-10,32,298.66	80,011.39	10,57,334.36	-9,94,290.52	63,043.85

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Oct-16			Nov-16			Dec-16		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWHr	EXPORT(-) in MWHr	Total MWHr	IMPORT(+) in MWHr	EXPORT(-) in MWHr	Total MWHr	IMPORT(+) in MWHr	EXPORT(-) in MWHr	Total MWHr
	NET DRAWAL CHATTISGARH (In MU)		1,063.63	-876.71	186.93	1,112.31	-1,032.30	80.01	1,057.33	-994.29	63.04
			1,231.38	-867.84	363.54	1,275.59	-1,029.60	245.98	1,225.50	-992.64	232.86

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Jan-17			Feb-17			Mar-17		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWHr	EXPORT(-) in MWHr	Total MWHr	IMPORT(+) in MWHr	EXPORT(-) in MWHr	Total MWHr	IMPORT(+) in MWHr	EXPORT(-) in MWHr	Total MWHr
1	400 KV RAIPUR PGCIL	ICT-I	84,566.18	0.00	84,566.18	87,234.50	0.00	87,234.50	1,04,942.94	0.00	1,04,942.94
2		ICT-II	83,922.14	0.00	83,922.14	87,280.91	0.00	87,280.91	1,05,327.27	0.00	1,05,327.27
3		ICT-III	78,428.87	0.00	78,428.87	81,161.31	0.00	81,161.31	97,745.81	0.00	97,745.81
4	400 KV Khedamara	KSTPS-1	2,19,283.20	0.00	2,19,283.20	1,95,202.65	0.00	1,95,202.65	2,30,010.49	0.00	2,30,010.49
5		KSTPS-2	2,20,449.88	0.00	2,20,449.88	2,10,924.25	0.00	2,10,924.25	2,32,614.14	0.00	2,32,614.14
6		RAIPUR PGCIL-1	0.00	-1,37,973.60	-1,37,973.60	0.00	-81,861.02	-81,861.02	0.00	-1,22,925.15	-1,22,925.15
7		SEONI-1	0.00	-2,45,742.46	-2,45,742.46	0.00	-1,95,554.18	-1,95,554.18	0.00	-2,01,173.53	-2,01,173.53
8		KORADI-1	0.00	-2,56,529.59	-2,56,529.59	0.00	-2,24,751.70	-2,24,751.70	0.00	-2,47,737.88	-2,47,737.88

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Jan-17			Feb-17			Mar-17		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
					2,56,529.59			2,24,751.70			2,47,737.88
9		BHADRAW ATI-1	0.00	-2,27,141.80	- 2,27,141.80	0.00	-2,13,240.94	- 2,13,240.94	0.00	-2,28,403.99	- 2,28,403.99
10		BHATAPA RA PGCIL	83,516.61	0.00	83,516.61	74,233.34	0.00	74,233.34	57,863.64	0.00	57,863.64
11	400 KV RAIGARH PG	ICT-1	88,821.31	0.00	88,821.31	95,305.74	0.00	95,305.74	99,403.84	0.00	99,403.84
12		ICT-2	87,803.07	0.00	87,803.07	95,620.57	0.00	95,620.57	1,00,670.15	0.00	1,00,670.15
13	400 KV KORBA(W)	KSTPS	68,879.92	0.00	68,879.92	1,12,664.14	0.00	1,12,664.14	1,70,320.43	0.00	1,70,320.43
14	400 KV Bhatapara PG	ICT-1	1,02,984.23	0.00	1,02,984.23	1,02,229.08	0.00	1,02,229.08	1,28,930.32	0.00	1,28,930.32
15		ICT-2	1,03,871.60	0.00	1,03,871.60	1,03,165.47	0.00	1,03,165.47	1,30,357.73	0.00	1,30,357.73
16	200 KV KOTMIKAL A	Anuppur-1	0.00	-42,122.74	-42,122.74	0.00	-32,618.35	-32,618.35	0.00	-21,429.41	-21,429.41
17		Anuppur-2	0.00	-42,234.16	-42,234.16	0.00	-32,801.95	-32,801.95	0.00	-21,544.75	-21,544.75
18	200 KV	B'PADAR-1	32,300.84	0.00	32,300.84	49,020.78	0.00	49,020.78	35,797.96	0.00	35,797.96

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Jan-17			Feb-17			Mar-17		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr	IMPORT(+) in MWhr	EXPORT(-) in MWhr	Total MWhr
	RAIGARH										
19	220 KV KORBA(E)	B'PADAR-2	0.00	-43,930.51	-43,930.51	0.00	-40,215.81	-40,215.81	0.00	-31,480.21	-31,480.21
20		B'PADAR-3	0.00	-40,426.59	-40,426.59	0.00	-36,697.19	-36,697.19	0.00	-30,502.19	-30,502.19
21	132 KV D'GARH	BALGHAT	0.00	-35,536.20	-35,536.20	0.00	-31,137.75	-31,137.75	0.00	-36,257.98	-36,257.98
22	SIPAT NTPC	SUT2&3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	Adjst.	value	61.43	0.00	61.43	0.00	0.00	0.00	0.00	0.00	0.00
24	132 KV Manendrag arh	AMARKAN TAK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	ADJUSTME NT	VALUES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	220KV NSPCL	BSP LINE- 1	42,993.36	0.00	42,993.36	39,880.77	0.00	39,880.77	54,573.86	0.00	54,573.86
27	220KV NSPCL	BSP LINE- 2	42,574.86	0.00	42,574.86	39,605.06	0.00	39,605.06	54,244.99	0.00	54,244.99
28	220KV NSPCL	BSP LINE- 3	43,718.02	0.00	43,718.02	41,183.79	0.00	41,183.79	48,346.17	0.00	48,346.17

A	NET DRAWAL OF CHHATTISGARH FOR THE MONTH OF		Jan-17			Feb-17			Mar-17		
Sl. No.	Drawl point/Name of ICT/Feeder		IMPORT(+) in MWHr	EXPORT(-) in MWHr	Total MWHr	IMPORT(+) in MWHr	EXPORT(-) in MWHr	Total MWHr	IMPORT(+) in MWHr	EXPORT(-) in MWHr	Total MWHr
29	220KV NSPCL	BSP LINE-4	47,059.23	0.00	47,059.23	42,580.08	0.00	42,580.08	48,520.80	0.00	48,520.80
30	ICT-1&2 Loss	at NSPCL	3,672.69	0.00	3,672.69	3,509.74	0.00	3,509.74	4,970.60	0.00	4,970.60
B	220KV BHILAI -BSP CKT-I/II (IMP/EXP) at CPPs/IPPs/Remote End/220 KV side of ICTs (Source: CE (T&C), CSPTCL)										
1	220 KV KHEDAMARA-BSP-I		5,403.00	-3,351.00	10,888.00	5,766.00	-5,771.00	11,611.00	12,478.80	-1,078.50	25,107.30
2	220 KV KHEDAMARA-BSP-II		5,485.00	-3,232.00	-6,583.00	5,845.00	-5,661.00	-11,432.00	12,628.50	-1,042.10	-2,120.60
C	Drawal (A+B)	CHATTISGARH	14,45,795.46	-10,78,220.65	3,67,574.81	14,72,413.17	-9,00,310.89	5,72,102.28	17,29,748.45	-9,43,575.69	7,86,172.76
D	NET DRAWL of CG (C-26,27,28,29 &30)		12,65,777.29	-10,78,220.65	1,87,556.64	13,05,653.73	-9,00,310.89	4,05,342.85	15,19,092.02	-9,43,575.69	5,75,516.33
NET DRAWAL CHATTISGARH (In MU)			1,265.78	-1,078.22	187.56	1,305.65	-900.31	405.34	1,519.09	-943.58	575.52
			1,434.91	-1,071.64	363.27	1,460.80	-888.88	571.92	1,704.64	-941.46	763.19

Annexure – 4: Consumer-wise consumption in kWh of EHV Consumers of CSPDCL in FY 2016-17

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
1	10000 07	THE DIVIN.RAIL.MA NAGER	E.E. (O&M) Surajpur	132 KV	7,500	14,12,000	14,10,000	15,42,000	11,13,000	8,05,000	9,44,000
2	10000 39	THE DIVIN.RAILWAY MANAGER	E.E.(O&M) MANENDRGARH	132 KV	16,000	30,52,920	32,50,560	33,92,880	25,29,600	21,12,840	25,07,640
3	10000 67	THE DIVIN.ELECT.ENGINEER	E.E.(O&M) RAIGARH	132 KV	22,000	49,14,000	49,36,000	49,08,000	52,40,000	52,00,000	46,22,000
4	10000 74	THE DIVN.ELECT.EN G.(TRD)	E.E.(O&M) RAIGARH	132 KV	12,000	26,27,040	25,41,840	25,26,360	28,01,040	29,03,280	26,05,800
5	10000 80	M/S SALASAR STEEL & POWER LTD.	E.E.(O&M) RAIGARH	132 KV	1,500	0	0	0	0	0	0
6	10000 95	M/s IND AGRO SYNERGY LTD	E.E.(O&M) RAIGARH	132 KV	500	45,360	51,120	47,040	48,000	50,640	15,360
7	10001 20	M/s. VANDANA VIDYUT LTD.	E.E. CITY EAST BILASPUR	132 KV	800	10,560	0	480	36,720	15,360	11,520
8	10001 38	THE DIVNL.ELECT.E NGG.	E.E.(O&M) BILASPUR	132 KV	21,500	75,27,840	75,65,760	77,26,800	78,06,240	69,94,320	70,51,440

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
9	1000160	M/S THE DIVN ELECTRICAL ENGINE	E.E.(O&M) CHAMPA	132 KV	20,000	58,70,640	57,52,320	56,57,280	59,65,680	56,58,000	53,12,880
10	1000165	THE DIVN.ELEC.ENGINEER(TRD)	EE (O&M)-AKALTARA	132 KV	13,000	32,13,600	32,85,960	32,77,200	33,56,760	30,40,800	30,27,000
11	1000169	M/S PRAKASH INDUSTRIES LTD	E.E.(O&M) CHAMPA	132 KV	5,000	22,49,600	22,80,000	20,32,000	21,39,200	27,76,000	21,77,600
12	1000185	M/S DY. Chief Engineer(E&M)	E.E.(O&M) KORBA	132 KV	32,000	1,25,43,735	1,24,16,005	1,23,59,265	1,22,63,350	1,36,13,590	1,37,04,190
13	1000194	THE DIVN.ELECT.ENGG.(TRD)	E.E.(O&M) KORBA	132 KV	15,000	38,97,720	44,46,240	43,98,480	44,94,960	37,20,480	38,25,000
14	1000200	THE DIVN.ELECT.ENGINEER(TRD)	E.E.(O&M) PENDRA RD	132 KV	16,000	30,87,600	33,61,200	33,65,640	34,33,200	29,70,360	31,71,120
15	1000201	THE DIVN.ELECT.ENGR.(TRD)	E.E.(O&M) PENDRA RD	220 KV	24,000	50,27,800	52,23,200	50,80,100	52,21,200	46,29,600	48,18,600
16	1000235	THE DIVN.ELECT.ENGINEER(TRD)	E.E. (City East) DN. BHILAI	132 KV	17,000	54,17,040	53,52,480	54,95,280	55,19,520	50,20,080	52,00,560
17	1000338	THE SR. DVN.ELECT.ENG	E.E.(O&M) JAGDALPUR	132 KV	10,000	8,38,680	8,46,240	7,66,200	8,09,760	8,04,600	9,84,360

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
		G.(T.D.)									
18	1000339	THE SR. DIVN.ELECT.EN GG.(T.D.)	E.E.(O&M) JAGDALPUR	132 KV	10,000	8,86,680	9,37,320	8,07,000	8,49,600	8,47,560	9,97,920
19	1000340	THE SR. DIVN.ELECT.EN GG.(T.D.)	E.E.(O&M) JAGDALPUR	132 KV	14,000	9,05,640	9,39,960	8,25,720	8,88,480	8,81,640	10,76,160
20	1000360	THE SR. DIVN.ELECT.EN GG.(T.D.)	E.E.(O&M) DANTEWADA	132 KV	9,200	8,59,920	8,74,800	8,00,280	8,43,360	8,30,160	10,04,640
21	1000361	THE SR. DIVN.ELECT.EN GG.(T.D.)	E.E.(O&M) DANTEWADA	132 KV	14,000	13,23,720	14,19,480	13,20,720	13,72,440	15,26,160	19,31,400
22	1000362	THE SR.DIV.ELECT.E NGG.(T.D.)	E.E.(O&M) DANTEWADA	132 KV	12,000	9,58,320	9,87,120	9,01,200	9,65,760	9,54,720	11,39,640
23	1000437	M/S VANDANA GLOBAL LTD.	E.E. (O&M) SILTARA	132 KV	0	0	1600	1,600	3,200	1,600	8,59,200
24	1000455	M/S SHRI NAKODA ISPAT LTD.	E.E. (O&M) SILTARA	132 KV	1,000	12,85,200	11,75,280	12,36,240	13,92,120	13,21,560	9,43,440
25	1000490	M/S.CENTURY CEMENT FACTORY	E.E.(O&M) Dn. Raipur II	132 KV	10,000	18,05,130	16,95,060	18,31,320	19,46,790	27,07,020	16,50,060

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
26	10004 91	M/S SARDA ENERGY & MINERALS LTD	E.E. (O&M) SILTARA	132 KV	0	3360	2880	5,760	7,680	3,360	22,560
27	10004 92	DIV. ELECT. ENG. (TRD)DRM	E.E. (O&M) SILTARA	132 KV	19,000	58,86,000	57,15,120	58,74,480	58,59,600	53,27,280	53,87,760
28	10005 57	M/S GODAWARI POWER AND ISPAT	E.E. (O&M) SILTARA	132 KV	0	2240	3840	4800	1,920	2,560	4,480
29	10005 59	M/S MONNET ISPAT&ENERGY LTD	E.E.(O&M) Dn. Raipur II	132 KV	2,000	6720	2,880	1920	1,280	1,280	1,280
30	10006 46	M/S. ULTRATECH CEMENT LIMITED	E.E.(O&M) Dn. Bhatapara	132 KV	30,000	5,24,640	10,32,960	10,32,120	17,03,760	8,84,400	1,18,320
31	10006 48	LAFARGE INDIA LIMITED	E.E.(O&M) Dn. Baloda Bazar	132 KV	36,000	1,65,26,160	1,62,90,000	1,14,88,800	1,02,00,240	1,32,92,640	1,35,26,160
32	10006 51	DIVN.ELECT. ENGINEER (TRD)	E.E.(O&M) Dn. Bhatapara	132 KV	19,000	56,64,420	55,51,560	57,53,700	56,57,940	51,16,860	53,83,080
33	10006 55	M/S ULTRA TECH CEMENT LIMITED	E.E.(O&M) Dn. Bhatapara	132 KV	20,000	32,49,360	56,24,880	34,33,680	41,17,680	15,86,160	19,25,640
34	10008	M/S SHRI BAJRANG	E.E.(O&M)	132	2,000	6,03,840	6,34,800	5,01,120	4,83,840	4,60,200	8,81,280

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
	20	METALICS & PO	URLA	KV							
35	10008 29	THE SR.DIVNLELEC. ENGR.(TRD)	E.E.(O&M) DONGARGAR H	132 KV	20,000	53,14,080	50,83,440	50,41,680	51,37,440	44,72,880	46,74,960
36	10008 63	THE SR.DIVNLELEC. ENGR. (TRD)	E.E.(O&M)RAJ NANDGAON	132 KV	16,000	39,29,040	39,38,760	38,57,640	39,48,600	34,44,960	36,45,960
37	10008 71	M/S M.S.P. Steel & Power Ltd	E.E.(O&M) RAIGARH	132 KV	4,000	10,19,000	9,68,000	9,64,000	14,52,000	13,30,000	13,10,000
38	10009 05	M/S JINDAL STEEL & POWER LTD.	E.E.(O&M) RAIGARH	220 KV	1,000	1,200	1,200	1,200	0	6,000	8,400
39	10009 11	M/S SHRI BAJRANG POWER ISPAT	E.E (NORTH) DN.RAIPUR	132 KV	0	880000	996000	8,95,200	10,31,200	10,94,400	12,49,600
40	10009 14	The Chief Finance Manager, BSP	E.E. CITY DN.BHILAI	220 KV	2,25,000	1,72,16,497	1,51,01,282	1,42,17,725	99,22,120	71,19,030	65,96,758
41	10009 19	M/s ESSAR STEEL INDIA LTD.	E.E.(O&M) DANTEWADA	132 KV	32,000	1,14,99,360	1,27,07,520	1,30,22,880	98,02,560	1,23,05,760	1,24,98,240
42	10011 52	M/S S.K.S. ISPAT &POWER LIM	E.E. (O&M) SILTARA	132 KV	0	12000	12000	20,000	0	20,000	24,000

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
43	1001157	M/S.HEERA FERRO ALLOYS UNIT-I	E.E.(O&M) URLA	132 KV	5,000	6,39,600	6,54,480	6,45,120	6,19,200	6,55,320	8,93,400
44	1001315	M/S JAYASWALS NECO INDUSTRIES	E.E. (O&M) SILTARA	132 KV	15,000	45,76,800	24,06,600	40,39,800	34,92,300	32,49,300	7,28,400
45	1001343	M/S REAL ISPAT & POWER LTD.	E.E (NORTH) DN.RAIPUR	132 KV	2,500	22,37,600	23,75,200	20,40,000	24,28,800	25,96,800	24,53,600
46	1001344	M/S PRIME ISPAT LTD	E.E (NORTH) DN.RAIPUR	132 KV	14,000	56,33,520	61,46,280	60,01,320	60,52,080	45,70,680	56,14,200
47	1001564	M/S ARASMETA CAP. POWER (P)LT	EE (O&M)- AKALTARA	132 KV	0	720	720	1440	1,440	0	0
48	1002061	M/S ACB (INDIA)LTD.	E.E.(O&M) KORBA	132 KV	4,000	0	0	0	0	0	0
49	1002097	M/S R.RENERGY PVT. LTD.	E.E.(O&M) RAIGARH	132 KV	1,100	14,400	44,800	2,800	36,000	25,600	12,400
50	1002277	M/S JAGDAMBA POWER & ALLOYS LTD	E.E. (O&M) SILTARA	132 KV	1,500	0	0	0	0	0	0
51	1002631	M/S ACC LIMITED	E.E. (City East) DN. BHILAI	132 KV	1,000	2139120	6729120	8971380	1,95,51,060	65,71,080	68,35,680

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
52	1003095	M/S MAHAMAYA STEEL INDUSTRIES	E.E.(O&M) URLA	132 KV	18,000	51,39,600	52,49,280	51,19,440	54,12,240	37,45,440	51,58,560
53	1003137	M/S Chhattisgarh Steel & Power	E.E.(O&M) CHAMPA	132 KV	3,000	0	0	0	0	0	90,720
54	1003664	M/S MONNET ISPAT & ENERGY LTD.	E.E.(O&M) RAIGARH	132 KV	5,600	23,040	21,600	6,240	5,280	34,080	28,320
55	1003761	M/S MAHAVIR ENERGY &	E.E.(O&M) RAIGARH	132 KV	1,500	24,600	38400	45,400	39,600	30,000	33,800
56	1003778	M/S HIRA POWER & STEELS LTD.	E.E.(O&M) URLA	132 KV	3,200	0	0	0	0	0	0
57	1004022	M/S Gen. Manager NTPC SAIL POWE	E.E. (City East) DN. BHILAI	220 KV	0	0	0	0	0	0	0
58	1004119	M/S Bhilai Jaypee Cement Ltd.	E.E. (City East) DN. BHILAI	132 KV	22,600	79,020	95,400	90,900	95,220	4,14,540	5,21,640
59	1004207	M/S AMBUJA CEMENT LIMITED	E.E.(O&M) Dn. Baloda Bazar	132 KV	26,000	31,07,760	31,99,920	35,73,240	29,90,280	29,66,880	33,77,160
60	10043	M/S SARDA ENERGY &	E.E. (O&M)	132	7,000	0	0	0	0	0	0

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
	54	MINERALS LTD	SILTARA	KV							
61	10048 63	M/S S.V.POWER (P)LTD.	E.E.(O&M) KORBA	132 KV	7,875	4,78,080	2,52,480	3,94,080	4,94,880	7,11,360	3,81,120
62	10061 94	THE S.E.(ELECTRICAL ERECTION)	E.E.(O&M) CHAMPA	220 KV	0	6981600	4609200	98,05,800	1,09,77,600	1,19,61,600	83,77,800
63	10064 46	THE CHIEF GENERAL MANAGER	E.E.(O&M) KORBA	132 KV	12,500	50,16,600	55,12,600	51,19,200	57,50,400	68,55,400	61,93,600
64	10065 24	M/S LAFARGE INDIA LIMITED	EE (O&M)-AKALTARA	132 KV	27,000	1,19,60,400	73,77,360	63,27,840	1,35,50,160	1,33,53,360	1,24,90,800
65	10189 25	M/S PROJECT MANAGER	E.E.(O&M) JAGDALPUR	132 KV	5,000	8,92,440	859500	8,03,700	7,43,580	8,11,440	8,53,560
66	10192 31	THE DY.GENERAL MANAGER	E.E. CITY DN.BHILAI	132 KV	30,000	1,74,60,960	1,55,67,120	1,63,67,520	1,65,00,960	1,60,69,920	1,48,95,600
67	10197 11	M/S J.K. Lakshmi Cement Ltd.	E.E. (O&M) DN BHILAI	220 KV	31,111	1,39,75,200	78,90,800	1,09,99,200	1,22,93,200	65,74,400	45,61,200
68	10200 82	M/S SWASTIK POWER& MINERALS RE	E.E.(O&M) KORBA	132 KV	2,778	56,400	58,800	54,480	52,320	51,840	50,880
69	10202 10	M/S SHREE CEMENT LTD.,	E.E. (O&M) DN	132 KV	28,000	95,78,160	84,38,400	85,48,800	29,28,240	16,36,080	21,92,160

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
			BHATAPARA								
70	1001302	M/s K.V.K. BIO ENERGY (P) LTD.	EE (O&M)-AKALTARA	132 KV	1,600	0	0	0	0	0	0
71	1005271	M/S VANDANA ENERGY & STEEL (P)	E.E.(O&M) KORBA	132 KV	3,500	0	0	0	0	0	0
72	1002976	M/S CORPORATE ISPAT ALLOYS LTD	E.E. (O&M) SILTARA	220 KV	15,000	0	0	0	0	0	0
73	1005455	M/S SAVITRI POWER PROJECT PVT.LTD.			0	0	0	0	0	0	0
74	1021100	M/S EMAMI CEMENT LTD.,			0	12,00,360	7,45,680	16,84,920	33,40,440	54,41,880	23,37,600
75	1021050	SE(EE)2x500M W	E.E. (O&M) Champa	400	0	37,15,636	27,28,364	57,41,455	75,55,636	83,66,182	71,24,727
76	1021074	M/s Azure Power India	E.E. (O&M) Saja	132	0	35,325	33,525	33,375	36,900	38,325	38,850
77	1021220	M/s ACME Raipur Solar	E.E. (O&M) Mahasamud	132	0	20,300	18,550	19,100	19,550	20,650	21,150
78	10213	M/s KVK Bio	EE (O&M)-	132	0	600	21,120	17,160	29,400	12,960	20,880

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
	61	Energy Pvt. Ltd	AKALTARA								
		TOTAL				23,70,86,503	22,54,91,966	23,28,69,500	24,53,64,606	22,26,18,257	21,21,27,815
		Total EHV SALES Excluding BSP consumption { Total - S. No. 40 - S. No. 66 - S.No.75 }		IN KWH		19,86,93,410	19,20,95,200	19,65,42,800	21,13,85,890	19,10,63,125	18,35,10,730
				IN MU		198.69	192.10	196.54	211.39	191.06	183.51

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
1	10000 07	THE DIVIN.RAIL.MANAGER	E.E. (O&M) Surajpur	132 KV	7,500	13,79,000	15,29,000	14,99,000	15,08,000	14,76,000	17,58,880
2	10000 39	THE DIVIN.RAILWAY MANAGER	E.E.(O&M) MANENDRG ARH	132 KV	16,000	33,40,320	34,44,720	34,58,040	34,74,360	33,73,800	40,36,680
3	10000 67	THE DIVIN.ELECT.ENGINEER	E.E.(O&M) RAIGARH	132 KV	22,000	53,94,000	53,50,000	51,64,880	54,44,400	51,03,360	59,49,120
4	10000 74	THE DIVN.ELECT.ENG. (TRD)	E.E.(O&M) RAIGARH	132 KV	12,000	30,76,920	30,14,280	28,71,120	29,80,320	27,07,560	31,77,600
5	10000 80	M/S SALASAR STEEL & POWER LTD.	E.E.(O&M) RAIGARH	132 KV	1,500	0	0	0	0	0	0

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
6	1000095	M/s IND AGRO SYNERGY LTD	E.E.(O&M) RAIGARH	132 KV	500	0	0	0	0	0	0
7	1000120	M/s. VANDANA VIDYUT LTD.	E.E. CITY EAST BILASPUR	132 KV	800	0	3,360	480	0	480	3,453
8	1000138	THE DIVNL.ELECT.ENG G.	E.E.(O&M) BILASPUR	132 KV	21,500	77,76,000	76,39,200	77,80,560	74,86,320	71,10,720	72,07,680
9	1000160	M/S THE DIVN ELECTRICAL ENGINE	E.E.(O&M) CHAMPA	132 KV	20,000	61,98,240	62,34,720	61,51,440	63,97,680	60,63,600	65,49,600
10	1000165	THE DIVN.ELEC.ENGIN EER(TRD)	EE (O&M)- AKALTARA	132 KV	13,000	34,36,440	33,79,440	33,61,920	33,61,680	32,97,360	35,00,280
11	1000169	M/S PRAKASH INDUSTRIES LTD	E.E.(O&M) CHAMPA	132 KV	5,000	25,61,600	27,29,600	23,63,200	19,47,200	16,46,400	15,93,600
12	1000185	M/S DY.Chief Engineer(E&M)	E.E.(O&M) KORBA	132 KV	32,000	1,43,99,950	1,33,84,380	1,41,13,775	1,33,06,330	1,11,56,355	1,31,15,290
13	1000194	THE DIVN.ELECT.ENG G.(TRD)	E.E.(O&M) KORBA	132 KV	15,000	43,30,200	42,40,680	42,16,080	43,47,960	41,59,680	36,77,640
14	1000200	THE DIVN.ELECT.ENGINEER(TRD)	E.E.(O&M) PENDRA RD	132 KV	16,000	33,12,360	31,76,760	32,18,280	31,03,920	25,87,920	41,15,400
15	10002	THE DIVN.ELECT.ENG	E.E.(O&M)	220	24,000	50,79,000	48,25,500	50,06,100	48,97,800	40,79,400	51,60,000

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
	01	R.(TRD)	PENDRA RD	KV							
16	1000235	THE DIVN.ELECT.ENGINEER(TRD)	E.E. (City East) DN. BHILAI	132 KV	17,000	54,61,920	54,66,720	58,20,480	56,13,360	54,88,560	59,91,360
17	1000338	THE SR. DIVN.ELECT.ENGG.(T.D.)	E.E.(O&M) JAGDALPUR	132 KV	10,000	11,08,200	12,35,280	14,84,280	15,27,600	11,08,200	12,12,600
18	1000339	THE SR. DIVN.ELECT.ENG G.(T.D.)	E.E.(O&M) JAGDALPUR	132 KV	10,000	11,40,240	12,72,120	14,63,760	14,76,720	10,85,280	11,35,800
19	1000340	THE SR. DIVN.ELECT.ENG G.(T.D.)	E.E.(O&M) JAGDALPUR	132 KV	14,000	11,87,880	13,28,160	15,72,120	16,10,640	12,04,080	12,84,720
20	1000360	THE SR. DIVN.ELECT.ENG G.(T.D.)	E.E.(O&M) DANTEWADA	132 KV	9,200	11,28,840	12,60,600	14,90,400	15,15,120	11,07,120	12,05,040
21	1000361	THE SR. DIVN.ELECT.ENG G.(T.D.)	E.E.(O&M) DANTEWADA	132 KV	14,000	19,34,400	21,22,560	26,65,440	23,64,840	17,94,480	18,93,360
22	1000362	THE SR.DIV.ELECT.ENGG.(T.D.)	E.E.(O&M) DANTEWADA	132 KV	12,000	12,74,400	13,82,880	16,79,040	17,05,920	12,34,680	13,62,240
23	1000437	M/S VANDANA GLOBAL LTD.	E.E. (O&M) SILTARA	132 KV	0	14,84,800	15,93,600	19,18,400	15,47,200	11,60,000	15,15,200
24	10004	M/S SHRI NAKODA ISPAT	E.E. (O&M)	132	1,000	12,23,280	14,69,520	15,34,440	12,05,760	12,35,040	14,38,560

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
	55	LTD.	SILTARA	KV							
25	10004 90	M/S.CENTURY CEMENT FACTORY	E.E.(O&M) Dn. Raipur II	132 KV	10,000	11,67,480	12,41,550	11,92,320	14,58,270	8,45,820	11,96,460
26	10004 91	M/S SARDA ENERGY & MINERALS LTD	E.E. (O&M) SILTARA	132 KV	0	26,880	11,520	6,240	3,360	1,920	2,040
27	10004 92	DIV. ELECT. ENG. (TRD)DRM	E.E. (O&M) SILTARA	132 KV	19,000	58,06,800	58,89,120	62,34,240	58,85,520	56,99,520	61,68,480
28	10005 57	M/S GODAWARI POWER AND ISPAT	E.E. (O&M) SILTARA	132 KV	0	5,120	1,920	6,720	8,798	6,720	3,360
29	10005 59	M/S MONNET ISPAT&ENERGY LTD	E.E.(O&M) Dn. Raipur II	132 KV	2,000	960	0	0	0	0	0
30	10006 46	M/S. ULTRATECH CEMENT LIMITED	E.E.(O&M) Dn. Bhatapara	132 KV	30,000	6,67,320	4,11,720	7,16,760	6,82,080	7,50,960	1,20,000
31	10006 48	LAFARGE INDIA LIMITED	E.E.(O&M) Dn. Baloda Bazar	132 KV	36,000	2,02,97,760	1,70,29,920	42,75,120	1,70,50,800	1,83,47,760	1,85,91,600
32	10006 51	DIVN.ELECT. ENGINEER (TRD)	E.E.(O&M) Dn. Bhatapara	132 KV	19,000	58,39,920	58,17,600	60,67,260	58,21,740	55,19,880	62,72,640
33	10006	M/S ULTRA TECH	E.E.(O&M) Dn.	132	20,000	22,28,040	7,95,840	6,25,320	1,64,880	3,74,160	1,28,880

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
	55	CEMENT LIMITED	Bhatapara	KV							
34	10008 20	M/S SHRI BAJRANG METALICS & PO	E.E.(O&M) URLA	132 KV	2,000	6,81,600	4,50,360	4,34,880	3,83,040	5,12,040	4,86,960
35	10008 29	THE SR.DIVNLELEC.E NGR.(TRD)	E.E.(O&M) DONGARGA RH	132 KV	20,000	50,43,360	52,94,400	57,35,760	56,82,960	53,58,480	59,09,760
36	10008 63	THE SR.DIVNLELEC.E NGR. (TRD)	E.E.(O&M)R AJNANDGAO N	132 KV	16,000	40,22,280	41,24,760	44,92,560	42,60,000	41,70,600	45,66,240
37	10008 71	M/S M.S.P. Steel & Power Ltd	E.E.(O&M) RAIGARH	132 KV	4,000	13,70,000	12,14,000	11,28,000	7,23,000	6,50,000	8,68,000
38	10009 05	M/S JINDAL STEEL & POWER LTD.	E.E.(O&M) RAIGARH	220 KV	1,000	6,000	6,000	9,600	2,13,600	62,400	26,400
39	10009 11	M/S SHRI BAJRANG POWER ISPAT	E.E (NORTH) DN.RAIPUR	132 KV	0	10,53,600	9,38,760	9,48,600	8,72,160	12,76,320	12,51,720
40	10009 14	The Chief Finance Manager ,BSP	E.E. CITY DN.BHILAI	220 KV	2,25,000	61,04,248	50,17,778	55,95,860	64,51,975	63,68,961	97,11,632
41	10009 19	M/s ESSAR STEEL INDIA LTD.	E.E.(O&M) DANTEWADA	132 KV	32,000	1,18,17,120	98,72,400	1,21,36,560	1,32,18,240	1,00,28,400	1,42,54,080
42	10011 52	M/S S.K.S. ISPAT &POWER LIM	E.E. (O&M) SILTARA	132 KV	0	8,000	12,000	16,000	16,000	8,000	20,000

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
43	1001157	M/S.HEERA FERRO ALLOYS UNIT-I	E.E.(O&M) URLA	132 KV	5,000	4,62,840	3,08,880	6,06,360	6,99,480	6,31,920	7,53,480
44	1001315	M/S JAYASWALS NECO INDUSTRIES	E.E. (O&M) SILTARA	132 KV	15,000	12,93,000	11,23,500	22,29,300	27,58,500	28,71,600	1,19,39,700
45	1001343	M/S REAL ISPAT & POWER LTD.	E.E (NORTH) DN.RAIPUR	132 KV	2,500	24,77,600	25,18,560	24,08,520	26,25,720	24,22,080	25,72,680
46	1001344	M/S PRIME ISPAT LTD	E.E (NORTH) DN.RAIPUR	132 KV	14,000	57,81,480	58,42,920	65,22,960	68,70,120	58,71,360	57,15,840
47	1001564	M/S ARASMETA CAP. POWER (P)LT	EE (O&M)- AKALTARA	132 KV	0	1,03,680	1,62,720	0	13,680	0	0
48	1002061	M/S ACB (INDIA)LTD.	E.E.(O&M) KORBA	132 KV	4,000	0	0	0	0	0	0
49	1002097	M/S R.R.ENERGY PVT. LTD.	E.E.(O&M) RAIGARH	132 KV	1,100	11,600	58,800	20,960	10,800	1,560	37,200
50	1002277	M/S JAGDAMBA POWER & ALLOYS LTD	E.E. (O&M) SILTARA	132 KV	1,500	0	0	0	0	0	0
51	1002631	M/S ACC LIMITED	E.E. (City East) DN. BHILAI	132 KV	1,000	57,33,360	75,61,260	54,32,220	52,47,180	60,22,800	71,51,400

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
52	1003095	M/S MAHAMAYA STEEL INDUSTRIES	E.E.(O&M) URLA	132 KV	18,000	51,01,440	34,38,000	35,66,880	30,06,600	29,26,680	30,87,240
53	1003137	M/S Chhattisgarh Steel & Power	E.E.(O&M) CHAMPA	132 KV	3,000	60,480	23,520	31,680	240	2,880	32,160
54	1003664	M/S MONNET ISPAT & ENERGY LTD.	E.E.(O&M) RAIGARH	132 KV	5,600	33,120	0	0	0	0	0
55	1003761	M/S MAHAVIR ENERGY &	E.E.(O&M) RAIGARH	132 KV	1,500	12,400	22,440	37,400	6,800	20,000	14,200
56	1003778	M/S HIRA POWER & STEELS LTD.	E.E.(O&M) URLA	132 KV	3,200	0	0	0	0	0	0
57	1004022	M/S Gen.Manager NTPC SAIL POWE	E.E. (City East) DN. BHILAI	220 KV	0	0	0	0	0	0	0
58	1004119	M/S Bhilai Jaypee Cement Ltd.	E.E. (City East) DN. BHILAI	132 KV	22,600	3,90,060	4,27,320	1,06,920	4,11,660	3,82,860	3,63,420
59	1004207	M/S AMBUJA CEMENT LIMITED	E.E.(O&M) Dn. Baloda Bazar	132 KV	26,000	26,81,640	29,15,160	25,15,440	23,18,160	29,54,040	23,42,760
60	1004354	M/S SARDA ENERGY & MINERALS LTD	E.E. (O&M) SILTARA	132 KV	7,000	0	0	0	0	0	0
61	10048	M/S S.V.POWER	E.E.(O&M)	132	7,875	48,000	3,85,440	1,61,280	3,78,240	5,760	1,80,480

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
	63	(P)LTD.	KORBA	KV							
62	1006194	THE S.E.(ELECTRICAL ERECTION)	E.E.(O&M) CHAMPA	220 KV	0	4,13,820	74,86,200	25,200	1,60,800	18,85,800	3,81,330
63	1006446	THE CHIEF GENERAL MANAGER	E.E.(O&M) KORBA	132 KV	12,500	61,20,600	57,86,200	59,12,600	54,92,400	49,95,600	53,41,000
64	1006524	M/S LAFARGE INDIA LIMITED	EE (O&M)- AKALTARA	132 KV	27,000	98,32,080	1,35,55,440	1,03,38,480	1,30,70,400	1,09,17,840	1,52,00,640
65	1018925	M/S PROJECT MANAGER	E.E.(O&M) JAGDALPUR	132 KV	5,000	8,80,200	7,90,020	9,68,580	9,92,340	9,37,980	9,96,300
66	1019231	THE DY.GENERAL MANAGER	E.E. CITY DN.BHILAI	132 KV	30,000	1,43,60,160	1,45,97,920	1,38,20,548	1,58,70,800	1,43,29,800	1,61,27,200
67	1019711	M/S J.K.Lakshmi Cement Ltd.	E.E. (O&M) DN BHILAI	220 KV	31,111	62,43,200	1,22,19,600	1,31,08,800	1,23,65,200	87,41,600	1,40,54,800
68	1020082	M/S SWASTIK POWER& MINERALS RE	E.E.(O&M) KORBA	132 KV	2,778	51,600	37,680	48,480	47,280	42,480	48,742
69	1020210	M/S SHREE CEMENT LTD.,	E.E. (O&M) DN BHATAPARA	132 KV	28,000	24,69,120	23,85,120	23,77,680	21,61,440	21,10,560	7,30,800
70	1001302	M/s K.V.K. BIO ENERGY (P) LTD.	EE (O&M)- AKALTARA	132 KV	1,600	0	0	0	0	0	0

S. No.	BP	Name	Division	Sup Vol	CD (KVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
71	1005271	M/S VANDANA ENERGY & STEEL (P)	E.E.(O&M) KORBA	132 KV	3,500	0	0	0	0	0	0
72	1002976	M/S CORPORATE ISPAT ALLOYS LTD	E.E. (O&M) SILTARA	220 KV	15,000	0	0	0	0	0	0
73	1005455	M/S SAVITRI POWER PROJECT PVT.LTD.			0	0	0	0	0	0	0
74	1021100	M/S EMAMI CEMENT LTD.,			0	27,70,680	18,44,760	25,98,360	35,68,560	19,13,640	27,24,480
75	1021050	SE(EE)2x500MW	E.E. (O&M) Champa	400	0	7,69,964	66,61,091	39,600	2,47,636	26,74,909	3,73,418
76	1021074	M/s Azure Power India	E.E. (O&M) Saja	132	0	39,975	38,325	41,325	40,875	35,775	36,900
77	1021220	M/s ACME Raipur Solar	E.E. (O&M) Mahasamud	132	0	22,900	25,100	25,850	26,050	24,100	23,600
78	1021361	M/s KVK Bio Energy Pvt. Ltd	EE (O&M)- AKALTARA	132	0	32,640	27,120	7,680	12,960	6,600	18,720
		TOTAL				21,05,72,117	22,44,55,824	20,14,08,138	21,81,23,474	20,08,92,240	23,67,10,845
		Total EHV SALES Excluding BSP consumption		IN KWH		18,93,37,745	19,81,79,035	18,19,52,130	19,55,53,063	17,75,18,570	21,04,98,595
		{ Total - S.No. 40 - S.No. 66 - S.No.75 }		IN MU		189.34	198.18	181.95	195.55	177.52	210.50

Annexure – 5: Consumption of 132 / 33 kV X-Mers (MWH) during FY 2016-17

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
MRT Cum Sub-Station Dn. Bishrampur										
BISHRAPUR	1	132 KV BISHRAPUR	1	40 MVA XMER EMCO	10,459.60	8,362.80	8,482.80	8,279.20	10,019.60	7,991.60
			2	20 MVA XMER-I EMCO	4,516.26	3,609.06	3,882.72	3,831.78	4,535.08	3,743.24
	2	132 KV AMBIKAPUR	3	40 MVA XMER-I EMCO	16,722.00	15,546.00	15,658.00	14,674.00	12,212.00	13,238.00
			4	40 MVA XMER-II TELK	16,128.80	14,779.20	15,100.00	13,010.40	11,867.20	12,379.20
			5	40 MVA XMER-III AREVA	16,424.00	14,972.00	15,362.80	13,952.00	12,016.00	12,541.60
	3	132 KV BAIKUNTHPUR	6	40 MVA XMER TA	16,279.96	14,775.00	14,549.52	14,205.00	14,374.00	14,651.40
			7	20 MVA XMER HEL	0.00	0.00	0.00	0.00	0.00	0.00
	4	132 KV MANENDRAGARH	8	40 MVA XMER-I T&R	10,282.24	10,524.64	10,678.88	10,751.52	10,059.60	9,872.08
			9	40 MVA XMER-II A Y	8,887.00	8,881.00	9,071.00	8,732.00	8,692.00	8,554.00
	5	132 KV BALRAPUR	10	20 MVA XMER EMCO	6,557.80	6,211.40	5,768.00	5,565.80	4,982.20	5,143.20

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
	6	220 KV BISHRAMPUR	11	40 MVA XMER ALSTROM	17,130.00	14,829.00	16,712.00	15,590.00	14,510.00	14,830.00
	7	132 KV PRATAPPUR	12	40 MVA XMER	13,068.00	12,038.00	12,108.00	11,284.00	9,262.00	9,198.00
		Sub-total			1,36,455.66	1,24,528.10	1,27,373.72	1,19,875.70	1,12,529.68	1,12,142.32
Sub-Station Dn. Bhilai										
BHILAI	8	220 KV GURUR	1	40 MVA X-mer I	13,958.40	8,747.28	7,646.56	8,342.96	10,341.52	8,224.56
			2	40 MVA X-mer II	0.00	0.00	0.00	0.00	0.00	0.00
	9	132 KV BHILAI	3	40 MVA X-mer I	19,670.48	17,230.00	17,437.44	16,305.68	17,477.36	17,119.36
			4	40 MVA X-mer II	19,378.32	16,973.04	17,204.64	16,065.76	17,256.16	16,960.48
			5	40 MVA X-mer III	11,180.48	17,734.24	15,445.04	15,864.48	13,356.96	15,214.88
	10	132 KV DHAMTARI	6	40 MVA X-mer I	13,710.08	12,627.68	9,968.16	10,617.12	10,267.36	7,461.84
			7	40 MVA X-mer II	15,100.00	8,899.44	12,298.80	11,946.96	7,993.44	6,370.88
	11	132KV DHAMDHA	8	40 MVA X-mer I	6,941.28	9,210.80	10,356.64	8,931.68	10,720.72	11,804.64
			9	40 MVA X-mer II	9,244.16	3,445.20	1,314.24	4,359.92	10,675.92	11,776.32

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
	12	132 KV RUABANDHA	10	40 MVA X-mer -I	10,602.16	12,847.36	12,845.36	8,399.44	7,343.36	7,368.72
			11	63 MVA X-mer	25,285.56	24,818.64	22,350.00	18,286.68	20,288.52	19,581.36
	13	132 KV BALOD	12	40 MVA X-mer	14,434.72	9,958.48	8,383.20	9,083.92	11,417.84	8,772.96
	14	132 KV SAJA	13	40 MVA X-mer	8,002.80	7,538.48	7,078.40	13,459.12	18,891.68	20,920.72
	15	132 KV KURUD BHILAI	14	40 MVA X-mer I	10,548.80	10,463.20	10,353.60	10,632.00	4,018.40	9,772.00
			15	40 MVA X-mer II	10,736.80	10,389.60	9,752.00	7,226.40	12,301.60	6,804.00
	16	132KV GUNDERDEHI	16	40 MVA X-mer	10,308.88	8,855.92	7,055.68	9,311.76	11,022.88	9,104.88
	17	132KV PATAN	17	40 MVA X-mer	16,270.40	11,618.08	11,578.16	12,791.20	15,680.16	13,780.64
	18	132KV PULGAON	18	40 MVA X-mer	19,672.00	19,328.00	18,472.00	15,720.80	14,805.60	15,614.40
		Sub-total			2,35,045.32	2,10,685.44	1,99,539.92	1,97,345.88	2,13,859.48	2,06,652.64
Sub-Station Dn. Rajnandgaon										

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
RAJNANDGAON	19	220 KV BEMETARA	1	40 MVA X-mer I	9,696.00	8,316.00	7,932.00	9,262.00	17,070.00	18,028.00
			2	40 MVA X-mer II	8,791.12	6,599.36	5,952.16	12,985.52	17,422.00	18,407.52
	20	220 KV THELKADIH	3	40 MVA X-mer I	6,212.00	6,138.00	6,342.00	9,334.00	11,796.00	10,672.00
			4	40 MVA X-mer II	6,536.96	6,007.92	3,925.60	6,707.12	9,793.84	8,414.56
	21	132 KV RAJNANDGAON	5	40 MVA X-mer I	13,531.20	13,445.68	13,846.00	12,272.40	13,415.12	12,857.84
			6	40 MVA X-mer II	13,535.20	13,288.00	13,816.80	12,240.00	13,432.80	12,882.40
	22	132 KV DONGARGARH	7	40 MVA X-mer	7,944.08	7,416.16	6,541.60	6,942.08	7,032.48	7,060.08
			8	20 MVA X-mer	3,963.20	3,705.52	3,269.12	3,471.32	3,540.12	3,529.28
	23	132 KV DALLIRAJHARA	9	20 MVA X-mer I	8,611.20	5,791.80	0.00	6,716.04	7,199.40	6,125.04
			10	12.5 MVA X-mer I	3,258.96	2,403.72	5,243.76	3,175.20	3,303.00	3,003.72
			11	12.5 MVA X-mer II	4,065.84	3,781.44	5,102.40	3,059.64	3,164.28	2,915.16
	24	132 KV KAWARDHA	12	40 MVA X-mer I	12,893.52	1,901.28	1,094.64	6,271.68	18,228.79	18,124.00
			13	63 MVA X-mer	21,170.40	28,337.40	21,893.40	25,127.40	28,468.80	28,984.20
	25	132 KV NAWAGARH	14	40 MVA X-mer I	13,701.92	10,917.76	8,634.16	14,789.60	17,608.00	16,160.08

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
	26	132 KV DONGARGAON	15	40 MVA X-mer	15,005.28	10,330.56	10,128.08	11,057.92	13,133.28	12,500.48
	27	132 KV PANDARIYA	16	40 MVA X-mer	15,416.00	15,134.00	13,402.00	15,822.00	16,368.00	18,206.00
	28	132 KV RASMADA	17	40 MVA X-mer	11,897.40	12,155.65	10,175.35	12,153.85	10,097.55	10,131.25
	29	132 KV GANDAI	18	40 MVA X-mer	9,762.00	9,426.00	9,408.00	13,640.00	15,292.00	17,384.00
		Sub-total			1,85,992.28	1,65,096.25	1,46,707.07	1,85,027.77	2,26,365.46	2,25,385.61
Sub-Station Dn. Raipur I										
RAIPUR DN -I	30	220 KV URLA	1	63 MVA X-mer	19,514.88	23,613.84	22,882.68	20,338.56	15,710.76	22,156.20
			2	40 MVA X-mer I	18,473.28	19,598.64	18,229.44	16,584.48	13,314.48	16,986.72
			3	40 MVA X-mer II	17,762.16	18,799.92	17,522.16	15,883.44	12,799.20	16,334.88
	31	220 KV SILTARA	4	63 MVA X-mer	28,764.08	29,240.10	27,845.16	29,315.97	18,923.12	29,101.88
			5	40 MVA X-mer I	17,565.07	17,892.97	17,438.76	17,960.03	11,560.03	17,770.90
			6	40 MVA X-mer II	15,441.67	14,698.15	14,414.13	17,264.37	15,636.84	18,740.22
			7	40 MVA X-mer III	14,921.28	13,607.76	13,851.36	16,373.76	14,721.84	17,715.12

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
	32	220 KV BHATAPARA	8	40 MVA X-mer I	15,411.96	12,725.61	12,048.74	13,493.74	15,876.28	16,353.84
	33	220 KV SUHELA	9	40 MVA X-mer I	6,280.00	4,834.00	4,616.00	5,576.00	7,208.00	6,770.00
	34	132 KV GUDHIYARI	10	40 MVA X-mer I	16,437.12	16,784.88	16,059.36	14,382.96	13,547.76	13,073.52
			11	40 MVA X-mer II	10,629.12	12,074.16	12,598.09	12,175.56	11,512.98	10,156.08
			12	40 MVA X-mer III	16,981.20	17,586.40	15,322.80	10,770.80	7,027.20	9,319.20
	35	132 KV KACHNA	13	63 MVA X-mer I	20,907.72	21,727.08	21,785.76	14,720.04	16,523.64	16,966.80
			14	63 MVA X-mer II	23,738.76	23,706.72	23,123.16	20,253.24	18,752.76	18,903.24
			15	40 MVA X-mer	11,180.80	15,412.80	11,724.00	9,704.80	10,144.80	9,084.00
	36	132 KV BIRGAON	16	63 MVA X-mer	33,601.20	33,498.00	28,918.20	29,100.00	25,271.80	28,764.00
			17	40 MVA X-mer I	15,541.76	15,718.26	17,232.91	15,732.07	12,593.35	13,083.21
			18	40 MVA X-mer II	9,714.78	10,663.11	10,002.87	10,148.94	8,853.77	9,678.19
	37	132 KV SECTOR C URLA	19	63 MVA X-mer I	22,251.92	28,620.65	26,592.70	27,871.40	22,223.93	26,524.18
			20	63 MVA X-mer II	0.00	0.00	0.00	0.00	0.00	0.00
			21	40 MVA X-mer	12,449.45	13,206.41	14,556.74	15,100.11	10,368.09	12,068.90
		132 KV SIMGA	22	40 MVA X-mer	8,907.09	4,421.16	5,108.41	10,797.48	10,960.52	12,266.32

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
	38		23	16 MVA X-mer	3,435.11	1,649.64	1,095.44	4,298.83	4,221.25	3,623.81
	39	132 KV BALODABAZAR	24	40 MVA X-mer I	7,976.00	7,366.00	7,082.30	7,628.00	9,154.00	8,886.00
			25	40 MVA X-mer -II	8,310.00	7,662.00	7,374.70	8,014.00	9,536.00	9,282.00
	40	132 KV BORJHARA	26	40 MVA X-mer I	17,384.00	18,462.80	17,231.20	15,182.80	12,294.00	15,273.20
			27	40 MVA X-mer -II	18,875.18	20,094.29	18,704.45	16,412.66	13,284.19	16,522.46
	41	132 KV TULSI	28	40 MVA X-mer I	14,013.39	13,821.66	10,396.15	13,720.55	14,971.41	14,074.33
	42	132 KV SARONA	29	40 MVA X-mer	14,423.76	17,891.28	13,401.08	14,405.78	8,663.30	7,524.64
	43	132 KV KASDOL	30	40 MVA X-mer	10,936.00	10,434.00	9,342.00	9,674.00	10,598.00	11,224.00
	44	132 KV SECTOR A HEERA POOL	31	63 MVA X-mer	19,347.99	20,593.95	19,196.73	20,102.67	14,780.37	19,828.80
		Sub-total			4,71,176.74	4,86,406.25	4,55,697.48	4,52,987.01	3,91,033.67	4,48,056.66
Sub-Station Dn. Raipur II										
RAIPUR DN-II	45	132 KV MANA	1	40 MVA X-mer I	12,169.20	6,793.60	10,194.80	12,748.40	800.80	9,497.60
			2	40 MVA X-mer II	8,046.18	10,644.11	7,269.10	2,952.69	12,446.74	2,926.62
	46	220 KV DOMA	3	40 MVA X-mer I	9,378.53	8,960.42	10,272.61	7,105.59	1,167.57	5,892.33

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
			4	40 MVA X-mer II	10,904.00	10,376.00	11,844.00	6,998.00	9,312.00	4,112.00
	47	132 KV KUHERA	5	63 MVA X-mer I	3,197.10	73.74	4,002.93	2,322.01	2,636.24	1,619.38
			6	63 MVA X-mer II	3,124.51	5,252.62	627.34	2,863.46	2,571.45	2,534.13
	48	132 KV MANDIR HAUSAD	7	40 MVA X-mer	9,906.00	9,534.00	8,880.00	8,858.00	7,594.00	7,330.00
	49	132 KV MAHASAMUND	8	40MVA X-mer I	11,108.91	1,907.86	3,197.40	7,699.48	6,849.65	5,193.78
			9	40 MVA X-mer II	11,221.30	6,449.83	5,783.42	7,771.45	6,826.99	6,085.68
	50	220KV PARASWANI	10	40 MVA X-mer I	12,944.00	5,888.00	7,486.00	5,276.00	6,458.00	5,182.00
			11	20 MVA X-mer	0.00	67.00	0.00	0.00	0.00	0.00
	51	132KV JHALAP	12	40 MVA X-mer I	13,966.00	1,096.00	1,038.00	7,404.00	7,922.00	10,194.00
			13	40 MVA X-mer II	15,376.40	8,274.40	9,324.80	7,388.00	12,745.60	11,166.80
	52	132 KV RAJIM	14	40 MVA X-mer I	12,498.00	6,946.00	8,756.00	5,553.00	2,039.00	6,440.50
			15	40 MVA X-mer II	12,370.00	6,878.00	4,566.00	5,732.00	11,222.00	6,052.00
			16	40 MVA X-mer III	12,332.80	6,850.80	6,318.40	10,468.50	11,195.80	7,581.40
	53	132 KV SANKRA	17	40 MVA X-mer	11,196.94	0.00	613.79	0.00	550.88	2,378.84

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
			18	63 MVA Xmer	20,201.44	8,822.19	5,970.67	10,959.75	15,574.84	17,113.97
	54	132 KV MAGARLOAD	19	40 MVA X-mer-I	8,060.00	4,102.00	3,338.00	4,058.00	6,080.00	2,360.00
			20	40 MVA X-mer -II	8,635.04	4,209.07	3,995.69	5,285.08	4,159.83	5,412.18
	55	132KV KURUD [DHAMTARI]	21	40 MVA X-mer	12,011.98	7,095.77	7,508.40	7,974.26	8,229.02	6,388.80
			22	20 MVA X-mer	5,580.00	3,419.00	3,138.00	3,850.00	3,969.00	2,355.00
	56	220 KV SARAIPALI	23	40 MVA X-mer I	17,101.77	11,304.08	10,002.21	11,806.45	14,281.72	11,906.39
			24	40 MVA X-mer II	17,733.46	9,392.15	8,622.97	12,381.17	14,983.01	11,833.04
			25	40 MVA X-mer III	17,925.20	4,993.20	1,858.00	8,032.00	10,187.20	12,442.00
	57	132 KV BAGBAHARA	26	40 MVA X-mer	17,969.16	7,743.52	7,379.44	11,714.90	14,926.77	11,886.38
	58	132 KV GARIYABANDH	27	40 MVA X-mer	12,586.84	8,279.92	7,793.08	9,048.84	7,368.68	6,848.76
	59	132 KV RAWANBHATA	28	40 MVA X-mer	0.00	0.00	0.00	0.00	15,615.01	15,805.54
		Sub-total			3,07,544.74	1,65,353.29	1,59,781.06	1,86,251.05	2,17,713.79	1,98,539.12
Sub-Station Dn. Jagdalpur										
JAGDALPUR	60	220 KV BARSOOR	1	40 MVA X-mer I	10,221.92	9,038.96	7,735.44	7,930.64	9,377.44	8,361.44

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
	61	132 KV JAGDALPUR	2	40 MVA X-mer I	11,201.92	9,772.96	8,844.40	8,394.80	9,175.76	8,740.16
			3	40 MVA X-mer II	11,252.00	9,791.20	8,976.96	8,518.56	9,305.04	8,870.88
			4	20 MVA X-mer	6,034.12	5,339.88	4,792.96	4,661.96	4,898.44	4,846.24
	62	132 KV KIRANDUL	5	20 MVA X-mer	4,974.00	4,810.24	4,404.96	4,382.92	4,677.04	4,608.36
			6	40 MVA X-mer	4,440.00	4,468.72	4,103.84	4,112.08	3,842.08	3,906.32
	63	132 KV KANKER	7	40 MVA X-mer	16,366.16	9,728.16	7,574.88	8,462.80	9,657.60	7,763.52
			8	40 MVA X-mer	17,342.48	10,251.76	7,968.64	8,327.28	10,108.32	8,164.56
	64	132 KV BHANUPRATAPPUR	9	40 MVA X-mer	15,642.16	12,949.44	10,820.24	9,226.32	11,139.92	8,583.84
	65	132 KV KONDAGAON	10	40 MVA X-mer I	17,713.06	12,772.14	9,257.82	11,337.02	11,347.89	10,283.28
		Sub-total			1,15,187.82	88,923.46	74,480.14	75,354.38	83,529.53	74,128.60
MRT Cum Sub-Station Dn. Raigarh										
RAIGARH	66	220KV RAIGARH	1	40 MVA X-mer I	12,356.80	9,593.60	8,725.10	7,834.40	6,640.00	5,561.60
			2	40 MVA X-mer II	12,620.00	9,440.00	8,422.00	7,290.00	7,202.00	7,642.00
			3	40 MVA X-mer III	13,835.60	10,577.28	9,775.68	8,927.76	8,517.84	8,536.80

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
	67	132 KV RAIGARH	4	40 MVA X-Mer No.-1 (B.B.)	14,923.00	11,606.50	10,372.50	11,920.00	8,642.00	9,320.00
			5	20MVA X-Mer (CGL)	7,814.00	5,924.00	5,268.00	6,004.00	5,798.00	4,847.00
			6	10MVA X-Mer (Hitachi)	0.00	0.00	0.00	0.00	0.00	0.00
	68	132 KV SARANGARH	7	40MVAX-Mer No1(EMCO)	13,232.00	10,803.20	9,645.60	11,203.20	11,646.40	11,119.20
			8	40MVAX-Mer No2(EMCO)	14,344.80	11,690.40	10,439.60	12,123.60	12,602.00	11,756.80
	69	132 KV BARAMKELA	9	40MVA X-Mer No-1 (ABB)	12,132.00	6,928.80	5,202.40	8,236.40	8,045.20	9,100.00
			10	40MVA X-Mer No-2 (VIJAY ELE.)	12,158.00	6,718.00	4,992.00	7,984.00	7,886.00	7,746.00
	70	132 KV GHARGODA	11	40MVA X-Mer (AREVA)	14,034.00	10,792.00	9,939.60	10,097.20	11,083.20	11,146.00
	71	132 KV KHARSIYA	12	40MVA X-Mer (EMCO)	10,390.56	7,916.00	6,600.00	6,672.00	12,834.00	9,414.00
			13	40MVA X-Mer (BHEL)	9,739.60	7,372.00	6,130.00	5,824.00	3,452.00	8,756.00
	72	132 KV PATHALGAON	14	20MVA X-Mer No.-I	9,525.96	8,479.92	7,757.88	8,280.00	8,340.12	8,164.32

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
				(GEC)						
			15	40MVA X-Mer No.-2 (ALSTOM)	18,768.00	16,552.08	15,064.56	15,942.24	16,202.88	15,842.88
	73	132 KV JASHPUR NAGAR	16	20MVA X-Mer (EMCO)	5,295.00	5,132.00	4,302.00	4,749.00	4,526.00	0.00
			17	20MVA X-Mer -2 (EMCO)	5,243.50	4,835.50	4,309.98	4,755.22	4,602.70	8,085.68
	74	132 KV SAKTI (ADHBHAR)	18	40MVA X-Mer No.-1 (ABB)	14,075.60	10,622.00	9,606.80	10,386.00	9,725.60	9,483.20
			19	40MVA X-Mer No.-2 (Andrew Yule)	14,112.00	10,604.00	9,434.00	10,170.00	9,544.00	9,298.00
	75	132 KV JAIJAPUR	20	40MVA X-Mer No.-2 (TEC, ASSO.)	13,608.00	11,176.00	10,620.00	11,722.00	12,902.00	11,508.00
	76	220 KV GERWANI	21	40MVA X-Mer No.-1 (BB)	7,974.00	14,536.68	15,125.36	10,748.86	11,349.35	5,051.31
			22	63MVA X-Mer No.-2 (BB)	0.00	0.00	0.00	5,136.28	3,207.06	10,172.18
		Sub-total			2,36,182.42	1,91,299.96	1,71,733.06	1,86,006.16	1,84,748.36	1,82,550.97
Sub-Station Dn. Bilaspur										

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
BILASPUR	77	220 KV MOPKA	1	40 MVA 1-EMCO	11,999.28	9,712.60	8,343.72	7,485.86	7,385.62	9,248.46
			2	40 MVA 2-EMCO	16,140.26	16,496.20	15,096.70	15,618.14	13,991.24	13,670.30
			3	40 MVA 3- ALSTOM	12,009.60	9,426.00	7,778.80	7,463.60	7,352.40	9,152.40
	78	220KV KOTMIKALA	4	20 MVA ABB-1	6,771.40	5,762.40	5,727.20	6,968.00	6,621.20	6,464.20
			5	20 MVA CGL-2	6,409.68	5,305.32	5,466.88	6,608.84	6,227.88	6,177.43
	79	220KV BANARI	6	40 MVA EMCO	11,086.00	11,062.00	11,518.00	8,184.00	9,396.00	9,330.00
	80	220 KV MUNGELI	7	40 MVA X-mer (T&R)	1,916.00	1,606.00	2,310.00	3,794.00	5,192.00	7,602.00
	81	132 KV BILASPUR	8	40 MVA BHEL-1	12,528.80	11,016.00	9,516.80	10,107.20	9,520.00	9,380.00
			9	40 MVA EMCO-2	12,103.20	12,462.40	13,568.80	10,286.40	10,573.60	10,256.80
			10	40 MVA BB-3	14,309.60	11,936.80	10,864.80	11,536.80	10,941.60	10,815.20
			11	40 MVA ALSTOM-4	11,936.00	12,536.80	13,443.60	10,105.60	9,857.20	9,795.20
	82	132 KV CHAMPA	12	40 MVA EMCO-1	7,399.20	5,399.20	5,569.60	5,408.00	4,733.60	5,564.00
			13	40 MVA EMCO-2	7,517.60	5,417.60	5,021.60	5,443.60	4,768.40	5,606.40
	83	132 KV DARRI	14	40 MVA TELK-1	17,044.00	17,109.60	17,402.40	14,534.40	12,988.00	13,104.80
			15	40 MVA GEC-2	16,652.54	16,631.65	17,049.01	14,175.10	12,735.01	12,794.47

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
	84	132 KV MUNGELI	16	40 MVA-1 BHEL	14,422.40	12,988.80	11,343.20	14,956.00	14,929.60	15,703.20
			17	40 MVA-2 TELK	14,436.00	12,900.00	11,254.00	14,850.00	14,844.00	15,730.00
	85	132 KV AKALTARA	18	40 MVA EMCO	14,426.88	13,836.24	14,335.92	14,409.84	15,074.64	14,934.48
			19	20 MVA APEX	7,354.00	7,039.00	7,295.00	7,337.00	7,576.00	7,516.00
	86	132 KV SILPAHRAI	20	40 MVA BB	13,724.00	13,314.00	12,314.00	12,882.00	13,490.00	13,866.00
			21	40 MVA ALOSTOM	14,064.00	13,198.00	12,504.00	12,968.00	13,800.00	14,210.00
	87	132 KV CHAKARBHATA	22	40 MVA-1 TECH.ASS.	4,302.00	3,260.00	3,168.00	2,356.00	3,570.00	4,518.00
			23	40 MVA-2 VEL	3,778.40	3,530.80	3,403.60	5,152.00	4,962.40	4,058.40
	88	132 KV KOTA	24	40 MVA X-mer I TECH.ASS.	17,060.00	13,920.00	12,266.00	15,448.00	16,106.00	16,552.00
	89	132 KV PATHARIA	25	40 MVA X-mer TECH.ASS.	13,886.00	7,952.00	6,588.00	9,322.00	13,420.00	16,566.00
	90	132 KV RENKI	26	40 MVA X-Mer (CGL)	0.00	0.00	0.00	3,198.24	6,263.16	5,932.20
	91	132 KV KONI	27	40 MVA X-Mer (ECE)	0.00	0.00	2,317.00	2,795.80	1,982.20	2,701.00
	92	100 MW POWER HOUSE KORBA	28	40 MVA X-mer I	16,503.33	17,245.53	16,729.82	15,039.37	14,772.44	14,473.11

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
			29	40 MVA X-mer II	9,646.93	9,618.67	11,749.33	9,808.00	9,875.20	9,605.33
			30	20 MVA X-mer	158.88	200.48	85.76	138.72	344.96	278.72
Sub-total					3,09,585.98	2,80,884.08	2,74,031.54	2,78,380.50	2,83,294.35	2,95,606.10
GRAND TOTAL			169	In kWh	19,97,170.96	17,13,176.84	16,09,344.00	16,81,228.45	17,13,074.31	17,43,062.02
				In MU	1,997.17	1,713.18	1,609.34	1,681.23	1,713.07	1,743.06

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
MRT Cum Sub-Station Dn. Bishrampur										
BISHRAMPUR	1	132 KV BISHRAMPUR	1	40 MVA XMER EMCO	8,209.60	7,900.00	8,716.80	9,146.00	7,452.80	10,180.00
			2	20 MVA XMER-I EMCO	3,726.48	3,669.40	4,001.72	4,080.32	3,400.00	4,690.00
	2	132 KV AMBIKAPUR	3	40 MVA XMER-I EMCO	14,410.00	14,954.00	16,590.00	16,472.00	14,808.00	16,908.00
			4	40 MVA XMER-II TELK	13,630.40	14,371.20	15,972.00	15,851.20	14,336.80	16,364.80
			5	40 MVA XMER-III AREVA	13,808.40	14,556.40	16,210.00	16,108.80	14,580.80	16,672.00
	3	132 KV BAIKUNTHPUR	6	40 MVA XMER TA	15,681.80	15,964.80	17,520.80	17,245.80	15,211.20	17,017.20
			7	20 MVA XMER HEL	0.00	0.00	0.00	0.00	0.00	0.00
	4	132 KV MANENDRAGARH	8	40 MVA XMER-I T&R	9,978.08	9,846.48	11,074.72	10,627.60	6,987.92	9,700.48
			9	40 MVA XMER-II A Y	8,657.00	8,482.00	8,954.00	9,176.00	9,396.00	8,375.00
	5	132 KV BALRAMPUR	10	20 MVA XMER EMCO	5,596.60	6,827.60	7,561.20	7,130.96	6,760.00	7,331.20
	6	220 KV BISHRAMPUR	11	40 MVA XMER ALSTROM	16,304.00	16,570.00	18,470.00	18,606.00	16,168.00	17,992.00

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
	7	132 KV PRATAPPUR	12	40 MVA XMER	11,708.00	13,208.00	15,051.00	14,262.00	13,952.00	15,000.00
		Sub-total			1,21,710.36	1,26,349.88	1,40,122.24	1,38,706.68	1,23,053.52	1,40,230.68
<i>Sub-Station Dn. Bhilai</i>										
BHILAI	8	220 KV GURUR	1	40 MVA X-mer I	6,129.76	4,417.04	7,319.68	10,347.04	12,730.16	16,752.96
			2	40 MVA X-mer II	0.00	0.00	0.00	0.00	0.00	0.00
	9	132 KV BHILAI	3	40 MVA X-mer I	14,452.56	10,448.64	11,718.80	12,110.88	13,175.84	13,186.72
			4	40 MVA X-mer II	14,052.00	10,296.96	11,547.76	11,936.08	12,983.36	12,994.32
			5	40 MVA X-mer III	15,640.80	12,066.16	15,864.80	16,693.60	17,122.80	19,198.00
	10	132 KV DHAMTARI	6	40 MVA X-mer I	12,227.12	7,561.68	6,929.28	13,612.32	15,178.64	16,400.16
			7	40 MVA X-mer II	623.20	3,677.04	11,764.08	13,297.84	15,031.52	18,209.28
	11	132KV DHAMDHA	8	40 MVA X-mer I	7,575.60	6,440.96	8,047.84	7,261.84	6,872.08	7,978.96
			9	40 MVA X-mer II	7,538.64	6,384.32	8,000.48	7,213.28	6,842.08	7,964.56
	12	132 KV RUABANDHA	10	40 MVA X-mer -I	7,353.44	6,095.36	7,088.88	6,355.68	6,175.36	8,629.92
			11	63 MVA X-mer	19,078.44	14,792.04	15,353.40	15,576.24	14,227.32	19,748.52

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
	13	132 KV BALOD	12	40 MVA X-mer	6,282.64	4,869.36	7,109.92	9,085.92	12,027.84	15,530.32
	14	132 KV SAJA	13	40 MVA X-mer	14,089.44	12,200.08	14,514.32	12,119.76	9,252.40	9,321.92
	15	132 KV KURUD BHILAI	14	40 MVA X-mer I	10,451.20	8,180.00	7,426.40	10,147.20	9,194.40	12,123.20
			15	40 MVA X-mer II	6,266.40	4,980.00	7,340.00	5,907.20	4,416.80	7,538.40
	16	132KV GUNDERDEHI	16	40 MVA X-mer	6,368.72	4,395.20	6,261.60	8,798.72	10,326.08	12,318.80
	17	132KV PATAN	17	40 MVA X-mer	11,351.52	8,300.56	8,925.68	12,837.84	14,127.84	18,282.24
	18	132KV PULGAON	18	40 MVA X-mer	15,435.20	13,265.60	12,067.20	13,131.20	13,456.80	15,030.40
		Sub-total			1,74,916.68	1,38,371.00	1,67,280.12	1,86,432.64	1,93,141.32	2,31,208.68
Sub-Station Dn. Rajnandgaon										
RAJNANDGAON	19	220 KV BEMETARA	1	40 MVA X-mer I	10,418.00	9,790.00	11,918.00	11,512.00	10,434.00	12,016.00
			2	40 MVA X-mer II	11,467.68	9,985.92	12,177.68	11,748.72	10,760.24	12,265.44

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
	20	220 KV THELKADIH	3	40 MVA X-mer I	6,384.00	6,804.00	9,364.00	8,010.00	5,764.00	6,064.40
			4	40 MVA X-mer II	5,985.92	6,034.88	8,898.32	6,182.80	5,149.28	5,650.56
	21	132 KV RAJNANDGAON	5	40 MVA X-mer I	11,006.00	8,288.16	10,037.76	10,862.08	11,110.72	13,342.08
			6	40 MVA X-mer II	10,987.20	8,293.60	9,995.20	10,857.60	11,093.60	13,323.20
	22	132 KV DONGARGARH	7	40 MVA X-mer	5,418.48	4,673.44	6,206.88	5,936.08	6,751.68	8,446.16
			8	20 MVA X-mer	2,711.48	2,341.60	3,105.48	2,951.08	3,368.84	4,217.64
	23	132 KV DALLIRAJHARA	9	20 MVA X-mer I	5,345.04	4,612.80	6,133.20	4,985.40	4,026.24	4,754.52
			10	12.5 MVA X-mer I	2,842.56	2,213.52	2,305.20	3,617.64	3,921.00	4,944.36
			11	12.5 MVA X-mer II	2,724.24	2,103.84	1,515.48	3,104.88	3,824.64	4,831.56
	24	132 KV KAWARDHA	12	40 MVA X-mer I	12,292.00	8,836.00	10,254.00	9,024.00	8,528.00	11,160.00
			13	63 MVA X-mer	19,251.60	13,772.40	16,062.00	14,386.80	13,318.20	17,505.00
	25	132 KV NAWAGARH	14	40 MVA X-mer I	12,518.88	10,819.76	13,405.84	11,621.84	11,426.80	15,124.48
	26	132 KV DONGARGAON	15	40 MVA X-mer	8,621.44	7,513.20	7,870.08	10,696.88	13,910.72	16,281.28

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
	27	132 KV PANDARIYA	16	40 MVA X-mer	14,784.00	12,246.00	14,822.00	14,650.00	14,666.00	16,948.00
	28	132 KV RASMADA	17	40 MVA X-mer	9,616.20	7,889.35	10,612.65	11,532.15	10,125.45	12,357.50
	29	132 KV GANDAI	18	40 MVA X-mer	12,888.00	12,132.00	14,160.00	10,870.00	7,814.00	8,992.00
		Sub-total			1,65,262.72	1,38,350.47	1,68,843.77	1,62,549.95	1,55,993.41	1,88,224.18
Sub-Station Dn. Raipur I										
RAIPUR DN-I	30	220 KV URLA	1	63 MVA X-mer	21,768.84	18,591.48	17,494.92	16,500.60	15,071.76	16,786.44
			2	40 MVA X-mer I	17,658.96	15,625.20	17,378.40	18,025.68	17,100.96	17,319.36
			3	40 MVA X-mer II	16,840.56	15,120.24	16,701.60	17,020.56	16,434.48	15,770.88
	31	220 KV SILTARA	4	63 MVA X-mer	30,618.24	28,792.04	32,612.19	33,437.32	30,797.23	32,832.17
			5	40 MVA X-mer I	18,592.20	17,511.58	19,850.97	20,417.88	18,803.51	20,079.01
			6	40 MVA X-mer II	17,289.31	14,835.08	16,551.96	17,381.05	16,737.12	18,081.53
			7	40 MVA X-mer III	16,321.92	14,149.44	15,698.64	16,409.52	15,866.88	17,177.28
	32	220 KV BHATAPARA	8	40 MVA X-mer I	12,578.57	9,522.35	13,057.85	14,162.62	14,431.20	16,518.45
	33	220 KV SUHELA	9	40 MVA X-mer I	5,764.00	4,030.00	5,516.00	6,496.00	6,714.00	7,310.00
	34	132 KV GUDHIYARI	10	40 MVA X-mer I	12,568.08	9,996.48	10,088.16	10,347.60	11,006.16	13,188.72

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
			11	40 MVA X-mer II	11,563.20	8,055.84	9,180.24	9,083.28	7,361.52	8,204.16
			12	40 MVA X-mer III	8,296.40	6,589.60	5,476.00	4,738.80	7,777.20	9,936.40
	35	132 KV KACHNA	13	63 MVA X-mer I	16,255.80	10,146.60	10,154.16	13,027.68	12,703.68	12,230.64
			14	63 MVA X-mer II	19,193.04	12,717.72	14,067.72	12,496.32	13,803.84	17,627.04
			15	40 MVA X-mer	8,163.20	8,740.80	9,081.60	6,985.20	4,309.20	11,677.20
	36	132 KV BIRGAON	16	63 MVA X-mer	30,823.20	25,994.40	25,762.20	24,963.00	27,408.60	29,818.80
			17	40 MVA X-mer I	12,332.56	11,369.75	12,578.73	14,260.62	11,986.00	13,578.76
			18	40 MVA X-mer II	10,053.31	9,335.36	10,747.53	11,268.77	10,018.66	10,661.74
	37	132 KV SECTOR C URLA	19	63 MVA X-mer I	31,302.33	18,700.68	0.00	0.00	0.00	11,582.07
			20	63 MVA X-mer II	0.00	9,080.64	31,015.08	31,475.16	28,080.72	19,632.60
			21	40 MVA X-mer	11,962.73	10,723.27	11,110.85	13,031.64	12,546.11	11,183.62
	38	132 KV SIMGA	22	40 MVA X-mer	5,271.82	4,782.57	7,529.42	8,386.52	9,479.07	10,513.82
			23	16 MVA X-mer	2,053.04	34.17	88.01	1,295.64	2,584.12	4,031.87
	39	132 KV BALODABAZAR	24	40 MVA X-mer I	8,060.00	6,184.00	6,480.00	6,378.00	6,062.00	5,304.00
			25	40 MVA X-mer -II	8,498.28	6,448.00	6,720.00	6,634.00	6,306.00	5,574.00

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
	40	132 KV BORJHARA	26	40 MVA X-mer I	14,918.80	13,350.80	14,430.23	14,702.80	14,140.80	15,330.80
			27	40 MVA X-mer -II	16,167.24	14,472.70	15,640.68	15,917.47	15,342.91	16,626.00
	41	132 KV TULSI	28	40 MVA X-mer I	12,595.65	11,324.19	14,620.88	16,821.41	13,884.60	19,374.83
	42	132 KV SARONA	29	40 MVA X-mer	6,688.76	3,626.04	4,327.06	5,590.14	6,363.88	11,648.37
	43	132 KV KASDOL	30	40 MVA X-mer	10,554.00	8,378.00	8,390.00	8,432.00	8,430.00	10,764.00
	44	132 KV SECTOR A HEERA POOL	31	63 MVA X-mer	17,288.01	13,054.32	17,749.80	19,074.84	16,673.19	17,679.33
		Sub-total			4,32,042.04	3,61,283.33	4,00,100.88	4,14,762.12	3,98,225.39	4,48,043.89
Sub-Station Dn. Raipur II										
RAIPUR DN-II	45	132 KV MANA	1	40 MVA X-mer I	4,627.20	5,888.40	4,590.00	2,071.20	5,258.12	5,970.40
			2	40 MVA X-mer II	6,882.43	5,479.08	5,406.22	8,657.84	6,017.99	11,598.88
	46	220 KV DOMA	3	40 MVA X-mer I	7,590.98	6,467.50	7,416.62	7,159.07	7,921.96	8,062.60
			4	40 MVA X-mer II	0.00	0.00	0.00	0.00	0.00	0.00
	47	132 KV KUHERA	5	63 MVA X-mer I	1,831.54	2,072.28	1,891.24	685.04	2,779.23	2,827.97
			6	63 MVA X-mer II	2,779.24	1,718.79	1,776.24	3,260.02	1,625.73	3,092.69

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
	48	132 KV MANDIR HAUSAD	7	40 MVA X-mer	6,899.00	5,063.00	5,358.00	5,865.00	6,888.00	5,924.00
	49	132 KV MAHASAMUND	8	40MVA X-mer I	5,004.22	3,477.78	7,073.42	7,065.61	9,442.64	13,856.94
			9	40 MVA X-mer II	4,964.75	716.88	3,185.23	7,047.25	9,471.59	13,875.30
	50	220KV PARASWANI	10	40 MVA X-mer I	7,558.00	5,754.00	7,314.00	9,174.00	10,738.00	12,830.00
			11	20 MVA X-mer	51.00	0.00	0.00	0.00	0.00	0.00
	51	132KV JHALAP	12	40 MVA X-mer I	8,784.00	2,844.00	4,954.00	11,414.00	14,032.00	17,976.00
			13	40 MVA X-mer II	9,597.20	7,156.00	11,975.20	12,366.40	15,400.80	19,760.80
	52	132 KV RAJIM	14	40 MVA X-mer I	0.00	3,825.50	9,499.50	9,224.50	12,393.90	15,246.00
			15	40 MVA X-mer II	9,618.00	6,032.00	7,326.00	9,100.00	12,253.60	14,924.00
			16	40 MVA X-mer III	9,579.40	2,329.16	3,253.24	9,080.60	12,213.20	14,884.20
	53	132 KV SANKRA	17	40 MVA X-mer	723.65	2,931.22	5,186.73	5,677.62	7,714.82	12,531.88
			18	63 MVA Xmer	15,262.64	7,752.58	3,817.22	9,681.84	12,767.43	20,732.06
	54	132 KV MAGARLOAD	19	40 MVA X-mer-I	4,416.00	2,492.00	5,258.00	6,292.00	6,422.00	8,965.17
			20	40 MVA X-mer -II	2,468.41	2,092.10	3,112.02	6,229.54	7,055.86	9,806.96

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
	55	132KV KURUD [DHAMTARI]	21	40 MVA X-mer	2,089.85	406.10	4,969.63	10,255.78	11,750.59	13,483.66
			22	20 MVA X-mer	4,655.00	4,103.00	2,998.00	3,509.00	5,564.00	6,212.00
	56	220 KV SARAIPALI	23	40 MVA X-mer I	9,948.27	11,290.29	10,781.01	11,612.46	13,418.82	14,905.60
			24	40 MVA X-mer II	13,712.17	7,879.69	11,367.15	12,122.77	14,034.51	15,519.83
			25	40 MVA X-mer III	13,790.40	8,495.60	0.00	11,172.40	14,036.80	15,496.40
	57	132 KV BAGBAHARA	26	40 MVA X-mer	10,502.38	5,712.10	7,125.24	13,463.04	17,143.05	18,853.10
	58	132 KV GARIYABANDH	27	40 MVA X-mer	7,159.36	7,183.32	8,875.00	11,289.08	12,138.84	15,657.04
	59	132 KV RAWANBHATA	28	40 MVA X-mer	14,040.82	12,490.34	13,245.35	14,116.48	12,263.59	15,902.76
		Sub-total			1,84,535.90	1,31,652.70	1,57,754.28	2,17,592.55	2,60,747.07	3,28,896.25
Sub-Station Dn. Jagdalpur										
JAGDALPUR	60	220 KV BARSOOR	1	40 MVA X-mer I	8,809.68	8,381.04	8,216.16	7,967.92	8,218.88	9,267.84
	61	132 KV JAGDALPUR	2	40 MVA X-mer I	8,909.20	8,614.00	9,143.92	9,484.56	9,038.56	11,228.80
			3	40 MVA X-mer II	9,010.72	8,778.80	9,276.40	9,624.80	9,171.20	11,387.20
			4	20 MVA X-mer	4,967.28	4,803.80	5,073.44	5,261.80	4,992.68	5,893.24
	62	132 KV KIRANDUL	5	20 MVA X-mer	4,762.36	4,761.12	5,146.72	5,205.08	4,531.60	5,150.64

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
			6	40 MVA X-mer	4,225.36	3,639.68	3,978.00	4,349.04	3,458.88	4,792.64
	63	132 KV KANKER	7	40 MVA X-mer	6,426.88	5,921.92	8,513.52	11,472.08	13,598.56	17,968.08
			8	40 MVA X-mer	6,750.48	6,216.64	8,938.48	12,085.12	14,444.96	19,034.00
	64	132 KV BHANUPRATAPPUR	9	40 MVA X-mer	9,641.60	11,167.12	13,259.28	14,096.40	15,666.32	17,461.44
	65	132 KV KONDAGAON	10	40 MVA X-mer I	9,480.64	8,373.34	9,503.27	11,462.26	13,542.34	16,440.18
		Sub-total			72,984.20	70,657.46	81,049.19	91,009.06	96,663.98	1,18,624.06
MRT Cum Sub-Station Dn. Raigarh										
RAIGARH	66	220KV RAIGARH	1	40 MVA X-mer I	7,988.00	7,431.20	6,372.80	6,554.40	6,752.80	8,225.60
			2	40 MVA X-mer II	7,974.00	7,710.00	6,622.00	7,084.00	7,039.00	8,590.00
			3	40 MVA X-mer III	8,873.04	8,250.00	7,109.52	7,525.92	7,548.48	9,159.60
	67	132 KV RAIGARH	4	40 MVA X-Mer No.-1 (B.B.)	11,606.00	7,168.00	8,834.00	11,628.00	13,464.00	15,428.00
			5	20MVA X-Mer (CGL)	6,072.00	3,750.00	4,605.00	5,477.00	7,043.00	8,077.00
			6	10MVA X-Mer (Hitachi)	0.00	0.00	0.00	0.00	0.00	0.00
	68	132 KV SARANGARH	7	40MVAX-Mer	12,339.20	9,905.60	9,540.00	10,613.60	11,556.80	14,154.40

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
				No1(EMCO)						
			8	40MVAX-Mer No2(EMCO)	13,585.20	10,711.60	10,308.40	11,446.40	12,494.80	15,339.20
	69	132 KV BARAMKELA	9	40MVA X-Mer No-1 (ABB)	11,028.00	8,231.60	5,454.40	8,861.20	12,638.80	14,276.00
			10	40MVA X-Mer No-2 (VIJAY ELE.)	10,732.00	8,218.00	5,250.00	8,614.00	12,490.00	13,898.00
	70	132 KV GHARGODA	11	40MVA X-Mer (AREVA)	13,176.00	11,368.80	12,192.40	12,565.20	12,105.60	14,232.80
	71	132 KV KHARSIYA	12	40MVA X-Mer (EMCO)	8,260.00	5,992.00	5,580.00	6,806.00	8,250.00	11,056.00
			13	40MVA X-Mer (BHEL)	7,318.00	5,324.00	5,168.00	6,308.00	7,432.00	10,072.00
	72	132 KV PATHALGAON	14	20MVA X-Mer No.-I (GEC)	9,004.44	8,578.20	9,070.68	8,654.28	7,820.52	8,493.72
			15	40MVA X-Mer No.-2 (ALSTOM)	17,537.52	16,960.56	17,760.00	16,890.48	15,354.24	15,525.12
	73	132 KV JASHPUR NAGAR	16	20MVA X-Mer (EMCO)	3,652.00	4,922.00	6,225.00	6,088.00	5,567.00	6,139.00
			17	20MVA X-Mer -2	5,072.98	4,911.74	6,140.20	6,077.92	5,553.28	6,112.08

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
				(EMCO)						
	74	132 KV SAKTI (ADHBHAR)	18	40MVA X-Mer No.-1 (ABB)	11,089.20	7,961.60	8,193.60	10,688.80	11,353.60	14,410.80
			19	40MVA X-Mer No.-2 (Andrew Yule)	11,038.00	7,746.00	8,006.00	10,500.00	11,270.00	14,260.00
	75	132 KV JAIJAPUR	20	40MVA X-Mer No.-2 (TEC, ASSO.)	12,496.00	8,248.00	7,118.00	10,344.00	11,306.00	14,376.00
	76	220 KV GERWANI	21	40MVA X-Mer No.-1 (BB)	13,729.94	16,343.27	16,176.66	17,143.56	16,253.14	17,608.46
			22	63MVA X-Mer No.-2 (BB)	4,102.36	0.00	0.00	0.00	0.00	0.00
		Sub-total			2,06,673.88	1,69,732.17	1,65,726.66	1,89,870.76	2,03,293.06	2,39,433.78
Sub-Station Dn. Bilaspur										
BILASPUR	77	220 KV MOPKA	1	40 MVA 1-EMCO	8,488.68	6,418.80	6,628.80	6,205.06	6,178.70	8,899.58
			2	40 MVA 2-EMCO	12,901.23	11,935.26	9,365.89	10,826.55	11,345.25	12,482.01
			3	40 MVA 3- ALSTOM	8,395.60	6,084.40	6,563.20	6,206.40	6,102.00	8,807.20
	78	220KV KOTMIKALA	4	20 MVA ABB-1	6,514.60	6,061.80	6,637.60	6,632.20	6,047.00	7,283.80

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
			5	20 MVA CGL-2	6,124.08	5,673.00	6,267.12	6,258.12	5,727.60	6,936.84
	79	220KV BANARI	6	40 MVA EMCO	9,516.00	8,318.00	6,828.00	6,958.00	6,920.00	9,198.00
	80	220 KV MUNGELI	7	40 MVA X-mer (T&R)	4,354.00	2,768.00	3,148.00	2,910.00	2,554.00	2,770.00
	81	132 KV BILASPUR	8	40 MVA BHEL-1	8,784.80	8,832.00	9,165.60	8.80	4,397.60	10,733.60
			9	40 MVA EMCO-2	9,133.60	10,285.60	9,371.20	12.80	0.00	3,085.60
			10	40 MVA BB-3	9,979.20	4,492.80	4,969.60	14,830.40	12,988.00	12,334.40
			11	40 MVA ALSTOM-4	9,877.60	3,593.20	4,045.20	12,391.20	11,387.60	10,118.40
	82	132 KV CHAMPA	12	40 MVA EMCO-1	5,864.80	4,976.80	4,775.20	4,253.60	4,376.00	4,680.00
			13	40 MVA EMCO-2	5,878.80	4,979.60	4,837.60	4,262.80	4,415.20	4,679.20
	83	132 KV DARRI	14	40 MVA TELK-1	14,156.80	12,623.20	13,089.60	13,599.20	12,200.80	13,808.00
			15	40 MVA GEC-2	13,964.76	12,417.99	12,923.22	13,362.63	11,997.76	13,500.83
	84	132 KV MUNGELI	16	40 MVA-1 BHEL	13,299.60	11,160.40	12,029.20	12,152.00	10,737.60	13,456.80
			17	40 MVA-2 TELK	13,292.00	11,106.00	11,986.00	12,116.00	10,664.00	13,444.00
	85	132 KV AKALTARA	18	40 MVA EMCO	14,765.52	11,615.04	11,538.72	11,403.36	10,897.92	13,665.12
			19	20 MVA APEX	7,519.00	5,924.00	5,948.00	5,831.00	5,568.00	6,972.00

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
	86	132 KV SILPAHRAI	20	40 MVA BB	13,100.00	11,054.00	11,942.00	12,450.00	11,740.00	14,110.00
			21	40 MVA ALOSTOM	13,444.00	11,308.00	12,216.00	12,660.00	11,992.00	14,454.00
	87	132 KV CHAKARBHATA	22	40 MVA-1 TECH.ASS.	3,138.00	2,452.00	3,754.00	2,832.00	3,500.00	4,098.00
			23	40 MVA-2 VEL	3,537.60	2,354.40	3,363.20	3,293.60	3,170.00	4,252.00
	88	132 KV KOTA	24	40 MVA X-mer I TECH.ASS.	15,980.00	12,534.00	12,540.00	12,942.00	12,464.00	15,648.00
	89	132 KV PATHARIA	25	40 MVA X-mer TECH.ASS.	10,914.00	9,220.00	11,368.00	11,557.12	12,224.00	14,176.00
	90	132 KV RENKI	26	40 MVA X-Mer (CGL)	5,661.14	5,684.62	5,756.88	5,700.38	5,286.58	6,289.20
	91	132 KV KONI	27	40 MVA X-Mer (ECE)	2,387.60	686.00	2,909.00	3,130.40	3,580.40	5,098.20
	92	100 MW POWER HOUSE KORBA	28	40 MVA X-mer I	14,041.52	12,094.03	12,268.43	11,795.83	10,711.08	13,401.67
			29	40 MVA X-mer II	10,221.87	8,863.20	9,445.87	10,235.47	8,598.67	9,784.80
			30	20 MVA X-mer	157.28	351.84	262.56	342.24	309.12	268.00
Sub-total					2,75,393.67	2,25,867.98	2,35,943.68	2,37,159.17	2,28,080.87	2,78,435.25

REGION	SR. NO	NAME OF SUB-STATION	No. of X-mer	CAPACITY OF X-MER (In MVA)	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
GRAND TOTAL			169	In kWh	16,33,519 .46	13,62,264 .99	15,16,820 .82	16,38,082 .92	16,59,198 .63	19,73,096 .77
				In MU	1,633.52	1,362.26	1,516.82	1,638.08	1,659.20	1,973.10

Annexure – 6: Transmission Loss Statement for FY 2016-17

S. N.	Transmission	Units		Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Total
1	CSPTCL (CSEB own Gen) EX Bus at 132 KV & above	MU	A	1,466.14	1,310.41	1,198.41	1,327.96	1,257.49	1,156.27	1,562.43	1,409.73	1,538.37	1,574.63	1,363.59	1,547.55	16,712.97
2	Drawal from CTU Grid at CG Periphery	MU	B	695.63	525.21	550.53	511.22	592.74	714.60	186.93	80.01	63.04	187.56	405.34	575.52	5,088.33
3	IPPs/CPP Injection in CSPTCL System at 132 KV & above	MU	C	101.85	127.82	109.74	105.01	100.02	101.44	128.90	113.53	164.09	143.02	140.87	145.03	1,481.31
4	Total Injection at State Grid of STU	MU	D=A+B+C	2,263.62	1,963.44	1,858.68	1,944.18	1,950.25	1,972.31	1,878.26	1,603.27	1,765.50	1,905.21	1,909.80	2,268.09	23,282.61
5	EHV Sales from Sub Station	MU	E	198.69	192.10	196.54	211.39	191.06	183.51	191.51	205.58	195.08	209.94	192.26	220.18	2,387.85
6	Net Output to DISCOM	MU	F	1,997.17	1,713.18	1,609.34	1,681.23	1,713.07	1,743.06	1,633.52	1,362.26	1,516.82	1,638.08	1,659.20	1,973.10	20,240.04
7	Total Output	MU	H=E	2,195.86	1,905.27	1,805.89	1,892.61	1,904.14	1,926.57	1,825.03	1,567.84	1,711.90	1,848.02	1,851.46	2,193.28	22,627.89

S. N.	Transmi ssion	Uni ts		Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Total
	from CSPTCL		+F													
8	Transmi ssion Loss	MU	I=D -H	67.75	58.17	52.79	51.57	46.12	45.74	53.22	35.43	53.60	57.18	58.34	74.81	654.72
9	Transmi ssion Loss (In %)	%	J=I* 100 /D	2.99%	2.96%	2.84%	2.65%	2.36%	2.32%	2.83%	2.21%	3.04%	3.00%	3.05%	3.30%	2.81%

Annexure – 7: JMR Readings of CSPGCL Power Stations for FY 2016-17

S. N.	PARTICULAR	UNIT	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Yearly
GENERATION															
1	KEBTPS, Korba East	MU	214.37	187.20	182.72	171.57	161.69	179.14	194.47	178.72	154.77	118.90	124.62	132.69	2,000.85
2	HTPS, Korba West	MU	472.02	503.89	403.70	462.10	435.99	415.75	427.91	394.42	419.68	479.95	453.72	493.10	5,362.25
3	DSPM, Korba East	MU	326.29	324.80	319.11	274.62	325.09	316.74	334.45	328.58	315.91	318.40	297.67	191.01	3,672.68
4	Korba West (Extn)	MU	290.02	284.90	246.38	242.27	132.26	50.61	290.00	294.95	346.29	349.21	288.78	340.29	3,155.96
5A	MTTP Tendubhata # 1	MU	144.35	3.11	0.00	0.00	--	--	--	--	--	--	--	--	147.46
5B	MTTP # 2 (Firm)	MU	--	--	--	6.04	--	--	--	--	--	--	--	--	6.04
	MTTP # 2 (Infirmary)	MU	0.00	0.00	43.31	160.12	--	--	--	--	--	--	--	--	203.42
5	Total Marwa Stn(FIRM+INFIRM)	MU	144.35	3.11	43.31	166.15	192.48	147.58	276.61	210.65	299.55	305.94	196.76	388.29	2,374.76
6	HASDEO BANGO HYDEL	MU	19.09	6.52	3.19	11.24	9.98	46.46	38.99	2.40	2.16	2.22	2.02	2.18	146.46
C.S.P.G.C.L Gen. 132 KV & above as per JMR data			1,466.14	1,310.41	1,198.41	1,327.96	1,257.49	1,156.27	1,562.43	1,409.73	1,538.37	1,574.63	1,363.59	1,547.55	16,712.97

Annexure – 8: Quarterly Progress Report Letter

Scanned copy of CSPTCL letter to Hon'ble Commission regarding quarterly report on the directives as per CSERC Tariff order FY 2016-17 dated 31st March 2017 for the quarter ending September 2017 and June 2017 is attached herewith.

8: PRAYER

8.1 CSPTCL requests the Hon'ble Commission to:

- a. **To invoke the power conferred to it under Section 62 of the Electricity Act, 2003, and to admit the petition seeking approval of provisional true-up of ARR for FY 2016-17 and determination of transmission tariff for FY 2018-19**
- b. To allow taxes, FBT, Cess, etc. as pass through on actual basis.
- c. To condone any inadvertent omissions/ errors/ shortcomings and permit the petitioner to add/ change/ modify/ alter this filing and make further submissions as may be required at a future date
- d. To allow the Petitioner to make alterations/additions in the said petition as and when the audited accounts are made available
- e. To allow further submissions, addition and alteration to this Petition as may be necessitating from time to time.
- f. Treat the filing as complete in view of substantial compliance as also the specific requests for waivers with justification placed on record;
- g. And pass such other and further orders as are deemed fit and proper in the facts and circumstances of the case in the interest of justice.

BY THE APPLICANT THROUGH

Executive Director (Commercial & Planning)
CSPTCL, Raipur.

9: TECHNICAL FORMATS

Form - 1		
Aggregate Revenue Requirement (Rs Crores)		
Sr. No	Particulars	FY 2016-17
1	Employee Expenses	177.44
2	A&G Expenses	48.81
3	R&M Expenses	24.00
4	Terminal Benefits	49.16
5	Interim Wage Relief	-
6	Less: Capitalization of Employee, R&M and A&G Expenses	23.54
7	Depreciation	175.12
8	Interest on Loan	193.37
9	Interest on Working Capital	12.23
10	Prior Period (Income) / Expenses	0.04
11	Return on Equity (RoE)	146.26
12	Gain/(Loss) on Sharing O&M Efficiency	1.39
13	Incentive on Transmission Availability	3.05
14	Current Tax	21.17
15	Total	828.50
16	Less: Non-Tariff Income	23.63
17	Aggregate Revenue Requirement (ARR)	804.88

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Form – 2		
Calculation of Return on Equity (Rs. Crores)		
Sr. No	Particulars	FY 2016-17
1	Normative Equity Capital	
a	GFA as on 01-04-16	3,655.02
b	Normative Equity Capital for assets till 1.04.2016	909.10
2	GFA Opening Balance (After 01.04.2016)	3,655.02
a	Additions to GFA	230.29
b	Closing GFA	3,885.31
3	Normative Equity for assets acquired after 01-04-2016	
a	- Opening Balance	909.10
b	- Additions during the year	69.09
c	- Closing balance	978.19
4	Notional Equity for Computation of AFC	943.64
5	Return on Equity (Pre-tax %)	15.50%
6	Return on Equity	146.26

Form - 3		
Statement of Capital Cost (Rs. Crores)		
Sr. No	Particulars	FY 2016-17
A	a) Opening Gross Block Amount as per books	3655.02
	b) Amount of capital liabilities in A(a) above	
	c) Amount of IDC, FC, FERV & Hedging cost included in A(a) above	
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	
B	a) Addition in Gross Block Amount during the period	230.29
	b) Amount of capital liabilities in B(a) above	
	c) Amount of IDC, FC, FERV & Hedging cost included in B(a) above	
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	
C	a) Closing Gross Block Amount as per books	3885.31
	b) Amount of capital liabilities in C(a) above	
	c) Amount of IDC, FC, FERV & Hedging cost included in C(a) above	
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	

Note:

GFA is as per the accounts

GFA is net of assets addition on account of SLDC

GFA addition for FY 2016-17 is as per the accounts

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Form – 4		
Gross Fixed Assets (Rs Crores)		
Sr. No	Particulars	Closing GFA for FY 2016-17
A	Tangible Assets (Under Lease)	8.88
1	Leasehold Land (including land development cost)	8.88
B	Tangible Assets	3,891.56
1	Land (including land development cost)	0.33
2	Factory Buildings	26.49
3	Office Buildings	14.34
4	Residential & Other Buildings	6.46
5	Hydraulic Works	0.50
6	Roads & Others	5.73
7	Plant, Machinery & Equipment	1,914.68
8	Lines & Cable Networks	1,911.15
9	Furniture and Fixtures	2.39
10	Office Equipment	1.25
11	Vehicles	1.13
12	Others	-
13	Computer (Hardware, Software & Peripherals)	7.12
C	Total Tangible Assets	3900.44

Notes

GFA including SLDC

GFA is as per the accounts

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Form – 5A						
Calculation of Weighted Average Depreciation Rate (%)						
Sr. No	Particulars	Opening GFA (CSPTCL+SLD C)	Closing GFA (CSPTCL+SL DC)	Average GFA	Depreciation Rates	Depreciation
		Rs. Crores	Rs. Crores	Rs. Crores	(%)	Rs. Crores
A	Tangible Assets (Under Lease)	8.88	8.88	8.88		0.30
1	Leasehold Land (including land development cost)	8.88	8.88	8.88	3.34%	0.30
B	Tangible Assets	3,660.54	3,891.56	3,776.05		198.53
1	Land (including land development cost)	0.33	0.33	0.33	0.00%	-
2	Factory Buildings	25.47	26.49	25.98	3.34%	0.87
3	Office Buildings	12.16	14.34	13.25	3.34%	0.44
4	Residential & Other Buildings	6.46	6.46	6.46	3.34%	0.22
5	Hydraulic Works	0.50	0.50	0.50	5.28%	0.03
6	Roads & Others	4.68	5.73	5.20	3.34%	0.17
7	Plant, Machinery & Equipment	1,750.83	1,914.68	1,832.76	5.28%	96.77
8	Lines & Cable Networks	1,849.05	1,911.15	1,880.10	5.28%	99.27
9	Furniture and Fixtures	2.31	2.39	2.35	6.33%	0.15
10	Office Equipment	1.24	1.25	1.24	6.33%	0.08
11	Vehicles	1.13	1.13	1.13	9.50%	0.11
12	Others	-	-	-	5.28%	-
13	Computer (Hardware, Software & Peripherals)	6.38	7.12	6.75	6.33%	0.43
C	Total Tangible Assets	3,669.41	3,900.44	3,784.92		198.82
D	Weighted average rate of depreciation					5.25%

Notes

GFA including SLDC

GFA is as per the accounts

FORM - 5 B												
Computation of depreciation (GFA as per approved by Depreciation)												
FY	Opening GFA	Additional Capitalization	Disposal/Sale of Asset	Closing GFA	Rate of Depreciation	Dep during the FY	Less: Dep on the fully dep assets	Less: Dep on the live assets created out of consumer contribution	Net Dep during the year	Accumulated depreciation	Net Block	Salvage value as per norm
2016-17	3655.02	230.29		3885.31	5.25%	198.05	20.51	2.42	175.12			

Notes

GFA Schedule is taken as approved by the Hon'ble Commission

Depreciation calculations are as per the methodology determined by the Commission

Depreciation rate is taken as the weighted average depreciation rate

GFA addition is taken net of SLDC assets

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Form - 6		
Statement of Depreciation (Rs. Crores)		
Sr. No	Particulars	FY 2016-17
1	Cumulative Depreciation on Capital Cost (Opening)	1061.56
2	Depreciation on Additional Capitalisation	
3	Amount of Additional Capitalisation	230.29
4	Depreciation Amount during the year	175.12
5	Details of FERV	
6	Amount of FERV on which depreciation charged	
7	Depreciation amount	
8	Depreciation recovered during the Year	
9	Advance against Depreciation recovered during the Year	
10	Depreciation & Advance against Depreciation recovered during the year	
11	Cumulative Depreciation & Advance against Depreciation recovered upto the year	1236.68

Note:

***Depreciation calculations are as per the methodology while determining ARR
GFA addition is taken net of SLDC assets***

Form - 7		
Calculation of Interest on Normative Loan (Rs. Crores)		
Sr. No	Particulars	FY 2016-17
1	Total Opening Net Loan	1,772.71
2	Repayment during the period	175.12
3	Additional Capitalization of Borrowed Loan during the year	161.20
4	Addition/(Reduction) in Normative Loan during the year	-
5	Total Closing Net Loan	1,758.80
6	Average Loan during the year	1,765.75
7	Weighted Average Interest Rate	10.95%
8	Interest Expense for the Period	193.37

Form - 8		
Interest on Working Capital (Rs. Crores.)		
Sr. No	Particulars	FY 2016-17
1	O&M	18.89
2	Maintenance Spares	9.60
3	Receivables	67.07
4	Total WC requirement	95.57
5	Less: Int. on SD from Trans. Users	-
6	Gross Interest on Working Capital	95.57
7	Rate of Interest on WC	12.80%
8	Net Interest on Working Capital	12.23

Form - 9		
Income from Investments and Non-Tariff Income (Rs. Crores.)		
Sr. No	Particulars	FY 2016-17
A	Interest Income	
1	Interest on FDR	4.16
2	Interest on IT refund	3.49
3	Interest on Advance to Contractors & Suppliers	0.06
4	Interest on Staff Loans & Advances	0.09
5	Sub-Total	7.79
B	Other Non-Tariff Income	
1	Rental Income	0.28
2	Net Income from Sale of Scrap	-
3	Other Miscellaneous Income	9.77
4	Other Recoveries from Contractors/ Suppliers	0.20
5	Surplus on redemption of Mutual fund	5.68
6	Sub-Total	15.93
C	Total	23.72

Note: The above includes SLDC income of Rs.1.18 Crores

Form - 10		
Details of Expenses Capitalized (Rs. Crores.)		
Sr. No	Particulars	FY 2016-17
1	Employee Expenses	21.54
2	R&M and A&G Expenses	2.00
3	Total	23.54

Form - 11		
Energy Balance statement (in MU) at transmission system		
Sr. No	Particulars	FY 2016-17
1	State Generation Ex-Bus at 132 KV and above (MU)	16,712.97
2	Drawal from CTU Grid at CG Periphery at 132 kV and above (MU)	5,088.33
3	IPPs/CPP Injection in CSPTCL System at 132 KV & above (MU)	1,481.31
4	Total Injection at State Grid of STU (MU)	23,282.61
5	EHV Sales from Sub Station (MU)	2,387.85
6	Net Output to DISCOM (MU)	20,240.04
7	Total output from CSPTCL System (MU)	22,627.89
8	Transmission Loss (MU)	654.72
9	Transmission Loss (%)	2.81%

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Form - 12		
Employee Cost and Provisions (Rs. Crores.)		
Sr. No	Particulars	FY 2016-17
A	Employee Strength	
1	Working Strength at the end of the Year	
I	Employee Category	
a	Class I	105.00
b	Class II	159.00
c	Class III	720.00
d	Class IV	681.00
	Total	1,665.00
2	Sanctioned Strength at the end of the Year	
I	Employee Category	
a	Class I	131.00
b	Class II	235.00
c	Class III	1,448.00
d	Class IV	1,491.00
	Total	3,305.00
B	Salaries & Wages	167.33
1	Basic Salary	55.85
2	Addl pay	4.45
3	Overtime	5.32
4	Additional Wages	1.82
5	Dearness Allow.	85.99
6	Salary Wages Adj A/c	-
7	CCA	0.001
8	CA	1.60
9	NSA	0.12
10	RDA	0.00
11	HRA	8.45
12	Medical Allow	0.002
13	Conveyance Allow	1.63
14	Compen. Encashment	0.18
15	Bilingual Allow.	-
16	Kit/Dress/Wash Allowance	0.21
17	Other Allow-Settl Prj	0.19
18	Field Allowance	1.01

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Form - 12		
Employee Cost and Provisions (Rs. Crores.)		
Sr. No	Particulars	FY 2016-17
19	Bastar Allowance	0.49
20	Other Allow	0.001
21	Apprenticeship Stipend	0.004
22	Medical Allowance	-
C	Staff Welfare Expenses	1.44
1	Bonus-Ex-Gratia	1.27
2	Recreation exp	0.003
3	Staff welfare exp	0.02
4	Welfare exp. on death	-
5	Training exp	0.15
D	Other Staff Costs	2.50
1	G.T.I.S. 100%	0.09
2	Medical Rembrs	1.20
3	Uniforms exp	0.004
4	Con-Medicine	0.36
5	Medical exp	0.01
6	Tuition Rembrs	0.04
7	LTC	0.80
8	Workmen compens	-
9	Injury death Compns	-
10	MP SK NIDHI	0.00
E	Interim Relief (Wage Revision)	-
F	Earned Leave Encashment to Retired Employees	10.68
G	Gratuity & Pension	50.37
1	Pension payment	-
2	Gratuity payment	-
3	Emp Cont pension	
H	Contribution to Provident Fund & Other Funds	2.96
1	Emp Contr. to NCP	2.95
2	PF Board Cont	-
3	FPS/FPF Board Cont	0.001
4	PF Inspection charge	-
I	Gross Employee Expenses	235.27
J	Capitalization	(21.54)
K	Net Employee Expenses	213.73

Note

Employee expenses including that of SLDC of Rs. 7.47 Crores

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Form - 13		
Administrative & General Expenses (Rs. Crores.)		
Sr. No	Particulars	FY 2016-17
a	Rent	0.01
b	Rates & Taxes	3.91
c	Insurance	0.01
d	Electricity Charges (Office & Other Consumption)	14.63
e	Service Contract including Legal & Professional Charges	1.87
f	Vehicle Running, Hiring and Maintenance	4.38
g	A & G Expenses of CSPHCL	4.29
h	Provision for Shortages in Inventory	-
i	Other Miscellaneous Expenses	4.33
j	Statutory Audit Fees	0.06
k	Tax Audit Fees	0.01
l	Exps on HR outsourced	15.89
m	Gross A&G Expenses	49.39
n	Capitalization	2.00
o	Net A&G expenses	47.39

Note
A&G expenses including that of SLDC of Rs. 0.58 Crores

Form - 14		
Repair & Maintenance Expenses (Rs. Crores.)		
Sr. No	Particulars	FY 2016-17
1	Plant and Machinery	19.37
2	Building and Civil Works	4.77
3	Others	0.54
4	Gross R&M expenses	24.68
5	Capitalization	0.00
6	Net R&M expenses	24.68

Note

R&M expenses including that of SLDC of Rs. 0.68 Crores

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Form S - 1		
Profit and Loss Account (Rs Crores)		
Sr. No	Particulars	FY 2016-17
1	Revenue From Operations (Gross)	927.12
2	Less: Excise Duty	-
3	I. Revenue From Operations (Net)	927.12
4	II. Other income	23.72
5	III. Total Revenue (I+II)	950.84
6	IV. EXPENSES	
7	Cost of materials consumed	-
8	Cost of Services	-
9	Purchases of Stock-in-Trade	-
10	Changes in Inventories	-
11	Employee benefits expense	387.40
12	Finance costs	143.16
13	Depreciation and amortization expense	189.86
14	Other expenses	72.07
15	IV. Total Expenses	792.49
16	V. Profit before exceptional and extraordinary items and tax (III - IV)	158.35
17	VI. Exceptional items	(59.10)
18	VII. Profit before extraordinary items and tax (V + VI)	99.25
19	VIII. Extraordinary Items	-
20	IX. Profit before prior period item and tax (VII + VIII)	99.25
21	X. Prior Period Income /(Expense)	(0.04)
22	XI. Profit before tax (IX + X)	99.20
23	XII. Tax expense	
24	(1) Current tax	21.17
25	(2) Deferred tax	-
26	(3) MAT Credit Entitlement	-
27	XIII. Profit/(Loss) for the period from continuing operations (XI - XII)	78.03
28	XIV. Profit /(loss) from discontinuing operations	-
29	XV. Tax Expense of discontinuing operations	-
30	XVI. Profit/(loss) from discontinuing operations (after tax) (XIV- XV)	-
31	XVII. Profit (Loss) for the period (XIII + XVI)	78.03

Form S - 2		
Balance Sheet (Rs Crores)		
Sr. No	Particulars	FY 2016-17
I.	Equity and Liability	
A)	Shareholders' Funds	
	a) Share Capital	755.66
	b) Reserves and Surplus	154.23
	c) Share Application Money Pending Allotment	55.10
B)	Non-Current Liabilities	
	a) Long-term borrowings	1,107.97
	b) Deferred Tax Liabilities (Net)	-
	c) Other Long Term Borrowings	606.77
	d) Long-term provisions	882.54
C)	Current Liabilities	
	a) Short-term borrowings	-
	b) Trade payables	44.79
	c) Other Current Liabilities	307.90
	d) Short-Term Provisions	85.36
	TOTAL EQUITY AND LIABILITY	4000.31
II.	Assets	
A)	Non-Current Assets	
	a) Fixed Assets	
	i) Tangible Assets	2,649.02
	ii) Intangible Assets	-
	iii) Capital Work in Progress	571.12
	iv) Intangible assets under development	-
	b) Non-Current Investments	-
	c) Deferred tax assets (Net)	-
	d) Long-term Loans and Advances	16.48
	e) Other Non-Current Assets	298.19
B)	Current Assets	
	a) Current investment	164.07
	b) Inventories	43.36
	c) Trade receivables	202.32
	d) Cash and Bank Balances	54.10
	e) Short-term Loans and Advances	1.17
	f) Other Current Assets	0.48
	TOTAL ASSETS	4000.31

Provisional True-up of FY 17 & Determination of Transmission Tariff for FY 19
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Form S - 3		
Cash Flow Statement (Rs Crores)		
Sr. No	Particulars	FY 2016-17
1	Cash flow arising from Operating Activities	
2	Net Profit before Tax and Exceptional items as per	
3	Statement of Profit and Loss:	158.35
4	Add / (Deduct) :	323.10
5	Depreciation and Amortisation expenses	
6	Interest Income	
7	Profit on sale of mutual fund	
8	Interest Expenses	
9	Operating cash profit before working capital changes	481.44
10	Add / (Deduct) :	131.40
11	Increase / (Decrease) in Short Term Borrowing	
12	Increase / (Decrease) in Trade Payables	
13	Increase / (Decrease) in Other Current Liabilities	
14	Increase / (Decrease) in Short Term Provisions	
15	(Increase) / Decrease in Inventories	
16	(Increase) / Decrease in Trade Receivable	
17	(Increase) / Decrease in Short Term Loans & Advances	
18	(Increase) / Decrease in Other Current Assets	
19	Cash generated from operations	612.84
20	Direct Taxes	
21	Net Cash Flow before Exceptional Items	612.84
22	Add: Exceptional Items	(59.10)
23	Cash flow before prior period adjustments	553.75
24	Add: Prior Period Income/(Expense)	(0.04)
25	Cash flow after prior period adjustments	553.70
	Add / (Deduct) :	68.08
26	(Increase) / Decrease in Long Term Loans & Advances	
27	Increase / (Decrease) in Other Long term Liabilities	
28	Increase / (Decrease) in Other Long term Provisions	
29	(Increase) / Decrease in Other Non-Current Assets	
30	A. Net Cash Inflow/(outflow) in the course of operating activities after exceptional items and after adjustment of other Non-Current Assets & Liabilities	621.78
31	Cash flow arising from Investing Activities	
	Inflow:	
32	Interest Income	9.84

Provisional True-up of FY 17 & Determination of Transmission Tariff for FY 19
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Form S - 3		
Cash Flow Statement (Rs Crores)		
Sr. No	Particulars	FY 2016-17
	Outflow:	(330.94)
33	Acquisition of fixed assets	
34	Net (Increase) / Decrease in Capital WIP	
	Net (Increase) / Decrease in short term investment	
35	Net (Increase) / Decrease in Fixed Deposits	
36	B. Net Cash inflow/ (Outflow) in the course of Investing Activities	(321.11)
37	Cash flow arising from Financing Activities	
	Inflow :	(135.98)
38	Increase / (Decrease) in Other Long term Borrowings	
39	Increase/(Decrease) in Capital Reserve	
40	Increase/(Decrease) in SLDC Development Fund	
	Outflow :	(143.07)
41	Interest Paid	
42	C. Net Cash from Financing Activities	(279.05)
43	Net Increase in Cash and Cash Equivalents (A+B+C)	21.63
44	Cash & Cash Equivalents (Opening)	53.21
45	Cash & Cash Equivalents (Closing)	74.84