

Jharkhand State Electricity Regulatory Commission



Order on
True-up for FY 2016-17 and FY 2017-18
for
Jamshedpur Utilities & Services Company Limited (JUSCO)

Ranchi
June 19, 2020



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List of Abbreviations

Abbreviation	Description
ABR	Average Billing Rate
ACS/ACoS	Average Cost of Supply
ARR	Aggregate Revenue Requirement
A&G	Administration and General
CAPEX	Capital Expenditure
CGRF	Consumer Grievance Redressal Forum
CWIP	Capital Works In Progress
DS	Domestic Service
DS HT	Domestic Service High Tension
DSM	Demand Side Management
DVC	Damodar Valley Corporation
GFA	Gross Fixed Assets
HP	Horse Power
HR	Human Resources
HT	High Tension
HTS	High Tension Service
HTSS	High Tension Special Service
IAS	Irrigation & Agriculture Service
JUSCO	Jamshedpur Utilities and Service Company Limited
KV	Kilo Volt
KVA	Kilo Volt Ampere
KW	Kilo Watt
KWh	Kilo Watt Hours
LF	Load Factor
LT	Low Tension
MD	Maximum Demand
MU	Million Units
MVA	Mega Volt Ampere
MW	Megawatt
NDS	Non-Domestic Service
O&M	Operation and Maintenance
PLR	Prime Lending Rate
PPA	Power Purchase Agreement
PSD	Power Services Division
RBI	Reserve Bank of India
R&M	Repairs and Maintenance
RPO	Renewable energy Certificate
SBI	State Bank of India
STU	State Transmission Utility
T&D	Transmission & Distribution
TSL	Tata Steel Limited
WPI	Wholesale Price Index



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BEFORE

Jharkhand State Electricity Regulatory Commission, Ranchi

Case (Tariff) No.: 05 of 2019

In the matter of:

Petition for

True-up for FY 2016-17 and FY 2017-18

In the matter:

Jamshedpur Utilities & Services Company Limited (JUSCO)
Sakchi Boulevard Road, Northern Town,

Bistupur, Jamshedpur- 831001.....**Petitioner**

PRESENT

Mr. R.N. Singh

Member (Engg.)

Mr. P.K. Singh

Member (Legal)

Order dated June 19, 2020

In this Petition, Jamshedpur Utilities & Services Company Limited (hereinafter referred to as JUSCO or the Petitioner) has prayed for Truing up for FY 2016-17 and FY 2017-18, Annual Performance Review for FY 2018-19 and ARR & Tariff for FY 2019-20.



A 1: INTRODUCTION

Jharkhand State Electricity Regulatory Commission

- 1.1 The Jharkhand State Electricity Regulatory Commission (hereinafter referred to as the “JSERC” or “the Commission”) was established by the Government of Jharkhand under Section 17 of the Electricity Regulatory Commission Act, 1998 on August 22, 2002. The Commission became operational with effect from April 24, 2003.
- 1.2 The Government of Jharkhand vide its notification dated August 22, 2002 had defined the functions of JSERC as per Section 22 of the Electricity Regulatory Commission Act, 1998 to be the following, namely:
 - (a) to determine the tariff for electricity, wholesale, bulk, grid or retail, as the case may be, in the manner provided in section 29;
 - (b) to determine the tariff payable for the use of the transmission facilities in the manner provided in section 29;
 - (c) to regulate power purchase and procurement process of the transmission utilities and distribution utilities including the price at which the power shall be procured from the generating companies, generating stations or from other sources for transmission, sale, distribution and supply in the State;
 - (d) to promote competition, efficiency and economy in the activities of the electricity industry to achieve the objects and purposes of this Act.
- 1.3 After the Electricity Act, 2003 came into force, the earlier Electricity Regulatory Commission Act of 1998 stands repealed and the functions of SERCs are now defined under Section 86 of the Act.
- 1.4 In accordance with Section 86 (1) of the Act, the JSERC discharges the following functions:
 - (a) determine the tariff for generation, supply, transmission and wheeling of electricity, wholesale, bulk or retail, as the case may be, within the State:
Provided that where open access has been permitted to a category of consumers under section 42, the State Commission shall determine only the wheeling charges and surcharge thereon, if any, for the said category of consumers;
 - (b) regulate electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured from the generating



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- companies or licensees or from other sources through agreements for purchase of power for distribution and supply within the State;
- (c) facilitate intra-state transmission and wheeling of electricity;
 - (d) issue licences to persons seeking to act as transmission licensees, distribution licensees and electricity traders with respect to their operations within the State;
 - (e) promote cogeneration and generation of electricity from renewable sources of energy by providing suitable measures for connectivity with the grid and sale of electricity to any person, and also specify, for purchase of electricity from such sources, a percentage of the total consumption of electricity in the area of a distribution licensee;
 - (f) adjudicate upon the disputes between the licensees and generating companies; and to refer any dispute for arbitration;
 - (g) levy fee for the purposes of this Act;
 - (h) specify State Grid Code consistent with the Grid Code specified under Clause (h) of sub-section (1) of Section 79;
 - (i) specify or enforce standards with respect to quality, continuity and reliability of service by licensees;
 - (j) fix the trading margin in the intra-state trading of electricity, if considered, necessary;
 - (k) discharge such other functions as may be assigned to it under this Act.
- 1.5 The Commission has to also advise the State Government as per sub section 2 of Section 86 of the Act, on all or any of the following matters, namely:
- (a) promotion of competition, efficiency and economy in activities of the electricity industry;
 - (b) promotion of investment in electricity industry;
 - (c) reorganisation and restructuring of electricity industry in the State;
 - (d) matters concerning generation, transmission, distribution and trading of electricity or any other matter referred to the State Commission by that Government.
- 1.6 The State Commission ensures transparency while exercising its powers and discharging its functions.
- 1.7 In discharge of its functions, the State Commission is also guided by the National Tariff Policy as brought out by GoI in compliance to Section 3 of the Act. The objectives of the National Tariff Policy are to:
- (a) ensure availability of electricity to consumers at reasonable and competitive rates;
 - (b) ensure financial viability of the sector and attract investments;



- (c) promote transparency, consistency and predictability in regulatory approaches across jurisdictions and minimize perceptions of regulatory risks;
- (d) promote competition, efficiency in operations and improvement in quality of supply.

Jamshedpur Utilities and Services Company Limited (JUSCO)

1.8 Jamshedpur Utilities and Services Company Limited (hereinafter referred to as ‘JUSCO’ or the ‘Petitioner’) is a company incorporated in August 2003, under the provisions of the Companies Act, 1956. JUSCO was incorporated primarily to cater to the infrastructure and power distribution services in the city of Jamshedpur. In addition to Power services, the company’s services include water and waste management, public health & horticulture services and planning, engineering & construction.

1.9 The Electricity Act, 2003 opened up power distribution to the private sector and permitted more than one power distributor in a revenue region, vide proviso 6 of Section 14 of the said Act which states:

“Provided also that the Appropriate Commission may grant a licence to two or more persons for distribution of electricity through their own distribution system within the same area, subject to the conditions that the applicant for grant of licence within the same area shall, without prejudice to the other conditions or requirements under this Act, comply with the additional requirements [relating to the capital adequacy, credit-worthiness, or code of conduct] as may be prescribed by the Central Government, and no such applicant, who complies with all the requirements for grant of licence, shall be refused grant of licence on the ground that there already exists a licensee in the same area for the same purpose.”

1.10 In line with the above provision and in reference to the Commission’s communication to the Petitioner with regard to filing a Petition for distribution license for one or more revenue districts (letter no. JSERC/06/2004-05/64), the Petitioner applied for a Second Distribution License vide application no. PBD/176/69/06 dated May 5, 2006 for the revenue district of Saraikela-Kharsawan. The Saraikela-Kharsawan district is contiguous to the Petitioner’s service area of Jamshedpur.

1.11 The Commission granted a Power Distribution License (No. 3 of FY 2006-07) to the Petitioner on December 01, 2006 for the aforementioned revenue district.

1.12 Consequently, the Petitioner began its power distribution services in revenue district of Saraikela-Kharsawan in September 2007.



The Petitioner's Prayers

1.13 The Petitioner in Petition No.: 05 of 2019 for True-up for FY 2016-17 and FY 2017-18, Annual Performance Review for FY 2018-19 and Annual Revenue Requirement and Tariff for FY 2019-20 has prayed before the Commission as below:

- Admit the Petition and examine the proposal submitted by the Petitioner in the enclosed petition for a favourable dispensation;
- Pass suitable Orders with respect to its claim based on regulations and audited accounts for the True-up of ARR of Rs. 249.54 Crore for FY 2016-17 which is incurred by the Petitioner for serving its consumers;
- Pass suitable Orders with respect to its claim based on regulations and audited accounts for the True-up of ARR of Rs.303.30 Crore for FY 2017-18 which is incurred by the Petitioner for serving its consumers.
- Pass suitable Orders with respect to its claim based on regulations and provisional actual for first six months and revised estimate for balance six months of FY 2018-19 for Annual Revenue Requirement of Rs. 361.63 Crore for FY 2018-19;
- Pass suitable Orders with respect to its claim based on regulations and revised Annual Revenue Requirement for FY 2019-20 for Rs. 413.46 Crore;
- Pass suitable Orders with respect to the Tariff Proposal submitted by the petitioner;
- Condone the delay, if any in filing this petition;
- 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;
- Pass such further, as the Commission may deem fit and appropriate keeping in view the facts and circumstances of the case.

Scope of the Present Order

1.14 The Petitioner has filed Petition seeking True-up for FY 2016-17 and FY 2017-18, Annual Performance Review for FY 2018-19 and ARR & Tariff for FY 2019-20.

1.15 During the pendency of the above Petition, the Petitioner filed another Petition seeking Truing Up for FY 2018-19, APR for FY 2019-20 and ARR for FY 2020-21.

1.16 The Commission is of the view that since the Petitioner has filed separate petition seeking truing-up for FY 2018-19 and APR for FY 2019-20, there is no rationale to carry out APR for FY 2018-19 and determine tariff for FY 2019-20. The Commission has



therefore, in this Order has carried out only the Truing up for FY 2016-17 and FY 2017-18.

1.17 While approving this Order, the Commission has taken into consideration:

- a) Material placed on record by the Petitioner
- b) Provisions of the Electricity Act, 2003;
- c) Principles laid down in the National Electricity Policy;
- d) Principles laid down in the National Tariff Policy;
- e) Provisions of the JSERC (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2015 (hereinafter referred to as JSERC Distribution Tariff Regulations, 2015 or the Regulations);

1.18 Accordingly, the Commission has scrutinized the Petition in detail and hereby issues the Order on Truing-up for FY 2016-17 and FY 2017-18 for JUSCO.



A 2: PROCEDURAL HISTORY

Background

- 2.1 The Commission had issued Order on Truing-up for FY 2014-15, Annual Performance Review for FY 2015-16, Business Plan and Annual Revenue Requirement for the MYT Control Period from FY 2016-17 to FY 2020-21 and tariff for FY 2016-17 on February 28, 2017.
- 2.2 Later on, June 07, 2018, the Commission had issued Order on Truing-up for FY 2015-16, Annual Performance Review for FY 2016-17 and determination of Annual Revenue Requirement and tariff for FY 2017-18.
- 2.3 Further, the Petitioner had filed the review petition against the Commission's Order dated June 07, 2018 which was disposed by the Commission on September 25, 2018.
- 2.4 The Petitioner has now filed the Petition for True-up for FY 2016-17 and FY 2017-18, Annual Performance Review for FY 2018-19, Annual Revenue Requirement and Tariff for FY 2019-20 for its licensed area.

Information Gaps in the Petition

- 2.5 As part of the Tariff determination exercise, several deficiencies/information gaps were observed in the Petition submitted by the Petitioner that were communicated to the Petitioner vide Letter no. JSERC/Case (T) No. 05 of 2019/24 dated April, 18 2019.
- 2.6 The Petitioner submitted its response to the aforesaid letter and furnished additional data/information to the Commission vide letter no. PBD/232/09/59-J/2019 dated May 06, 2019 and additional data on October 01, 2019 and October 11, 2019.
- 2.7 The Commission has scrutinized the petition along with additional data/ information, supporting documents as supplied by the Petitioner and has considered the same while passing this Order.
- 2.8 In order to provide adequate opportunities to all stakeholders and general public, as mandated under Section 64 (3) of the Electricity Act 2003 and in relevant provisions of Regulation(s) framed by the Commission and in order to ensure transparency in the process of tariff determination, the Commission decided to hold public hearing in Auditorium of Adityapur Auto Cluster, Jamshedpur.



Inviting Public Comments/Suggestions

- 2.9 After the initial scrutiny of Petition filed by the Petitioner, the Commission directed the Petitioner to issue a public notice inviting comments/suggestions on the Petition from public and to make available copies of the Petition to the members of general public on request.
- 2.10 The public notice was subsequently issued by the Petitioner in various newspapers and a period of twenty-one (21) days was given to the members of the general public for submitting their comments/suggestions.

Table 1: List of newspapers and dates of publication of public notice by the Petitioner

Newspaper	Date of Publication
Prabhat Khabar	13.10.2019
Times of India	13.10.2019 & 15.10.2019
Dainik Bhaskar	13.10.2019
Telegraph	13.10.2019
Hindustan	14.10.2019
Dainik Jagran	14.10.2019
Pioneer	14.10.2019
Khabar Mantra	14.10.2019

- 2.11 Subsequently, the Commission also issued advertisement on its website www.jserc.org and various newspapers for conducting the public hearing on the Petition filed by the Petitioner. The details of the newspapers publishing the advertisement by the Commission are as under:

Table 2: List of newspapers and dates of publication of public notice by the Commission

Newspaper	Date of Publication
Hindustan	25.12.2019
Dainik Jagran	25.12.2019
The Times of India	25.12.2019
Morning India	25.12.2019
Prabhat Khabar	15.01.2020
Dainik Bhaskar	15.01.2020
Morning India	15.01.2020
Pioneer	15.01.2020

Submission of Comments/Suggestions and Conduct of Public Hearing

- 2.12 The public hearing was held on January 16, 2020 in Auditorium of Adityapur Auto Cluster, Jamshedpur. Written objections/comments/suggestions on the Petition were received from various stakeholders. In addition to the written suggestions, various



stakeholders also gave their comments/suggestions on the Petition filed during the hearing. The objections/comments/suggestions of the Public, Petitioner's Responses and Commission's views thereon are detailed in **Section A4** of this Order.



A 3: BRIEF FACTS OF THE PETITION

3.1 The Petitioner in the present petition has requested for the following:

- Truing-up for FY 2016-17 & FY 2017-18 based on the Annual Audited Accounts;
- Annual Performance Review (APR) for FY 2018-19 based on the available provisional actual data for the first six months of the financial year;
- Aggregate Revenue Requirement (ARR) and Tariff for FY 2019-20.

True-up for FY 2016-17 and FY 2017-18

Number of Consumers, Connected Load and Sales

3.2 The following table summarises the actual number of consumers, connected load and energy sales as submitted by the Petitioner.

Table 3: No. of Consumers, Connected Load and Sales as submitted by the Petitioner for FY 2016-17 and FY 2017-18

Category/ Sub- Category	FY 2016-17			FY 2017-18		
	No. of Consumers	Connected Load (kW/kVA/HP)	Sales (MU)	No. of Consumers	Connected Load (kW/kVA/HP)	Sales (MU)
Domestic						
DS-I	202	342	0.19	268	483	0.34
DS-II	286	1064	0.52	560	2360	0.93
DS-III	927	9920	5.73	1416	14029	7.66
DS-HT	29	7956	6.79	32	7690	8.26
Non-Domestic						
NDS-I	5	8	0	6	9	0.01
NDS-II	573	5572	4.14	647	6414	5.40
Low Tension Services						
LTIS-I	161	8810	9.53	197	10290	11.76
High Tension Services						
HTS 11kV	177	54903	149.43	187	62454	174.34
HTS 33kV	21	76236	265.21	23	82586	320.10
High Tension Special Services						
HTSS 11kV	5	5365	19.31	6	6165	26.30
HTSS 33kV	5	8100	20.63	7	13850	27.98
Total	2391	178276	481.48	3349	206330	583.08

Aggregate Revenue Requirement

3.3 The summary of Aggregate Revenue Requirement for FY 2016-17 and FY 2017-18 as approved in the MYT Order vis-a-vis that claimed by the Petitioner is tabulated below:



Table 4: ARR as submitted by the Petitioner for FY 2016-17 and FY 2017-18 (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18	
	APR	Actual	ARR	Projected
Power Purchase Cost	213.22	213.43	225.43	261.41
O&M Expenses	13.31	14.76	13.75	16.75
Depreciation	6.96	6.19	7.15	6.66
Interest and Finance Charges	10.01	8.71	9.24	11.81
Return on Equity	5.27	6.76	5.40	6.96
Non-Tariff Income	0.31	0.31	0.12	0.29
Aggregate Revenue Requirement	248.45	249.54	260.85	303.30
Revenue	259.39	260.32	281.75	317.91
Surplus	10.94	10.78	20.90	14.91

APR for FY 2018-19 and ARR for FY 2019-20

Number of Consumers, Connected Load and Sales

3.4 The following table summarises the projected number of consumers, connected load and energy sales as submitted by the Petitioner.

Table 5: No. of Consumers, Connected Load and Sales as submitted by the Petitioner for FY 2018-19 and FY 2019-20

Category/ Sub-Category	FY 2018-19			FY 2019-20		
	No. of Consumers	Connected Load (kW/kVA/HP)	Sales (MU)	No. of Consumers	Connected Load (kW/kVA/HP)	Sales (MU)
Domestic						
DS-Rural	400	768	0.49	712	1235	0.65
DS-Urban	2710	18267	11.64	3865	25326	15.28
DS-HT	32	6473	8.60	39	9643	10.36
Commercial Services (Non-Domestic)						
CS-Rural	18	136	0.09	28	121	0.07
CS-Urban	738	6041	6.56	1147	9015	8.63
Low Tension Services						
Installation Based	219	13259	12.74	276	13141	13.41
Demand Based	10	608	1.11	14	759	1.22
High Tension Services						
HTS 11kV	208	68515	194.00	217	71754	203.79
HTS 33kV	28	89536	363.40	31	95096	389.62
High Tension Special Services						
HTSS 11kV	5	5115	29.76	11	8645	36.09
HTSS 33kV	9	23850	81.90	14	25620	94.49
Temporary Services	4	35	0.01	3	50	0.01
Total	4381	232602	709.30	6357	260404	773.61



Aggregate Revenue Requirement

3.5 The summary of Aggregate Revenue Requirement for FY 2018-19 and FY 2019-20 as approved in the MYT Order vis-a-vis that claimed by the Petitioner is tabulated below:

Table 6: ARR as submitted by the Petitioner for FY 2018-19 and FY 2019-20 (Rs. Crore)

Particulars	FY 2018-19		FY 2019-20	
	ARR	Actual	ARR	Projected
Power Purchase Cost	247.76	316.53	270.97	361.97
O&M Expenses	14.03	19.77	14.92	22.31
Depreciation	7.00	8.39	7.68	9.73
Interest and Finance Charges	3.77	3.89	3.85	4.70
Interest on Security Deposit	5.31	5.66	5.36	5.95
Return on Equity	5.62	7.51	6.15	8.92
Non-Tariff Income	0.12	0.12	0.12	0.12
Aggregate Revenue Requirement	283.07	361.63	308.81	413.46
Revenue	-	378.13	-	407.24
Surplus/(Gap)	-	16.50	-	(6.22)

3.6 The Petitioner requested the Commission to kindly approve the projected Annual Revenue Requirement and surplus/gap for the respective years.

Segregation of ARR into Wheeling and Retail Business

3.7 Based on the allocation policy approved by the Commission in MYT Order, the Petitioner has segregated the ARR into wheeling business and supply business for FY 2019-20. The Wheeling Charge comes out to be Rs. 0.497/kWh with total expected sales of 773.61 MU.

Table 7: Segregation of ARR into Wheeling & Retail Business for FY 2019-20 (Rs. Crore)

Particulars	Wheeling (%)	Retail (%)	ARR (Rs. Cr)	Wheeling ARR (Rs. Cr)	Retail ARR (Rs. Cr)
Power Purchase Cost	-	100	361.97	-	361.97
Employee Expenses	60	40	12.21	7.32	4.88
A&G Expenses	50	50	4.35	2.18	2.18
R&M Expenses	90	10	5.75	5.18	0.58
Depreciation	90	10	9.73	8.76	0.97
Interest and Finance Charges	90	10	4.70	4.23	0.47
Interest on Security Deposit	-	100	5.95	-	5.95
Return on Equity	90	10	8.92	8.02	0.89
Non-Tariff Income	10	90	0.12	0.01	0.01
Aggregate Revenue Requirement			413.46	35.68	377.78



Cumulative Gap/(Surplus)

3.8 Based on the true up value of FY 2016-17 and FY 2017-18, the Petitioner has proposed the revenue surplus of Rs. 0.38 Crore till FY 2017-18.

Proposed Tariff Philosophy

a) Introduction of Cost reflective Tariff

3.9 The Petitioner submitted that the average cost of supply for FY 2019-20 is Rs.5.34/kWh and average tariff is Rs.5.26/kWh. In addition, the Petitioner has also provided the tabular comparison of category wise Average Tariff, Cost of Supply and revenue for FY 2019-20.

Table 8: Ratio of existing Average Tariff to Average Cost of Supply for FY 2019-20

Particulars	Average Tariff (Rs./kWh)	Avg. Tariff/Avg. CoS	Category wise Revenue/ Total Revenue
Domestic			
Rural	2.56	48%	0.04%
Urban	3.14	59%	1.18%
DS-HT	3.14	59%	0.80%
Non-Domestic (Commercial)			
Rural	2.50	47%	0.00%
Urban	4.86	91%	1.03%
Low Tension Industrial			
LTIS Installation Based	5.51	103%	1.81%
LTIS Demand Based	8.06	151%	0.24%
High Tension Service			
HTS 11 kV	5.33	100%	26.69%
HTS 33 kV	5.63	105%	53.85%
HT Special Services			
HTSS 11 kV	4.01	75%	3.55%
HTSS 33 kV	4.65	87%	10.80%
Total	5.26	98%	100%

3.10 In view of the above, the Petitioner requested the Commission to adjust the tariff of Domestic and HTSS Category consumers in such a way that it also moves gradually towards cost reflective in line with National Tariff Policy.

b) Analysis of Fixed and Variable Cost of Licensee & Tariff Rationalisation

3.11 The Petitioner raised the need for changes in certain Tariff category and tariff rationalisation. The Petitioner has been requesting the Commission for Rationalisation of



Tariff i.e. Fixed/Demand Charges linked to Fixed Charges expenses and Energy Charges linked to Variable Component.

- 3.12 In support of the above claim, the Petitioner has submitted the cost breakup of Annual Revenue Requirement into Fixed and Variable Charges. For carrying out the breakup into Fixed and Variable Component, the Petitioner has assumed that all costs except Power Purchase Cost are fixed in nature i.e. O&M and Financial Costs will be incurred/claimed in ARR irrespective of sale of energy. Hence petitioner has deducted Power Purchase Cost from the total ARR to arrive at Fixed Cost Obligation.
- 3.13 The proportion of Fixed and Variable Component of cost has been submitted by the Petitioner for FY 2019-20 and is tabulated below.

Table 9: Calculation of Fixed & Variable Component of ARR and Revenue for FY 2019-20

Particulars	Unit	Amount
Annual Revenue Requirement	Rs. Crore	413.46
Less: Variable Cost component	Rs. Crore	338.26
Net-Fixed Charges Component	Rs. Crore	75.21
Proportion of Fixed cost in ARR	%	18%
Proportion of Variable cost in ARR	%	82%
Revenue	Rs. Crore	497.24
Fixed/Demand Charges	Rs. Crore	48.43
Energy/Variable Charges	Rs. Crore	358.81
Proportion of Fixed/ Demand charges	%	12%
Proportion of Energy/ Variable charges	%	88%

- 3.14 The Petitioner submitted that in the current Tariff Structure, the recovery from Fixed Charges is only 12% of the total revenue, whereas the total Fixed Charge Component as per the Petitioner is 18% of Annual Revenue Requirement.
- 3.15 In view of the same, the Petitioner submitted that the recovery between Fixed Charge and Energy Charge should be adjusted gradually, say over a period of three to five years; so as to make the retail tariff cost structure reflective of the actual Fixed Cost.

c) Proposed change in Tariff Schedule

- 3.16 The Petitioner submitted that the currently domestic consumer is cross subsidised by other categories of consumers and the tariff need to be increased to align it with the provisions of National Tariff Policy, which states that tariff for individual category of consumers should be brought within +/- 20% of cost of supply. Also, consideration needs to be given to people belonging to lower strata of the society while fixing the tariff.



Hence the Petitioner has suggested for having consumption slabs for Domestic Rural and Urban as under:

- 0-100 units
- Above units

3.17 Accordingly, the Petitioner has proposed for tariff increase/rationalisation of 5-7% for DS- Rural, DS-Urban, DS-HT and HTSS Category consumers whereas overall tariff increase proposed is meagre 1.2% (Revenue at existing is ~Rs.407 Cr. And at proposed is ~Rs.412 Cr.). The Petitioner suggested the following roadmap for gradual increase and rationalisation of tariff.

Table 10: Roadmap for Tariff Rationalization for Domestic and HTSS Category Consumers

Particulars	Avg. Tariff FY 2018-19 (Rs./kWh) (Existing)	Avg. Tariff/Avg. CoS FY 2019-20 (Existing)	Avg. Tariff FY 2019-20 (Rs/kWh) (Proposed)	Avg. Tariff/Avg. CoS FY 2019-20 (Proposed)	Avg. Tariff/Avg. CoS FY 2020-21 (Proposed)	Avg. Tariff/Avg. CoS FY 2021-22 (Proposed)
Domestic						
Rural	2.56	48%	2.73	51%	60%	70.00%
Urban	3.14	59%	2.73	62%	70%	80.00%
DS-HT	3.14	59%	2.73	63%	75%	85.00%
HT Special Services						
HTSS 11 kV	4.01	75%	4.25	80%	90%	100.00%
HTSS 33 kV	4.65	87%	5.02	94%	95%	100.00%

3.18 In the subsequent year, the Petitioner suggested to merge the Domestic LT (Rural & Urban) with Non-Domestic Commercial by aligning the tariff linked to Cost of Supply in a phased manner as per the provisions of National Tariff Policy 2016.

3.19 For IAS category, the Petitioner suggested that the tariff should be linked to 100% CoS with Fixed/Demand Charges being 18-20% of the total tariff and balance being energy charges. The Petitioner further submitted that at present no such consumer exists in the licensee area but having tariff for the category will be useful in future if any of such consumer seeks a connection in the licence area.

3.20 The Petitioner has further proposed to change the timing of period under the ToD Tariff to match with the timing of the overall Demand Curve of the Petitioner's network.

3.21 The Petitioner submitted its preparedness for kVAh based billing for HT consumers and suggested downward adjustment of approx. 3% when compared to Rs/kWh-based billing. The Petitioner has also proposed an alternative tariff for HT Industrial consumer category based on kVAh billing.



3.22 For exceeding Contract Demand continuously for three months in a year for HT Category, the Petitioner has proposed the increase in penalty to 200% in place of existing 150% of tariff.

Tariff Proposed for FY 2019-20

Table 11: Tariff Revised Proposed for FY 2019-20 by the Petitioner

Consumer Category	Consumption Slab	Existing Tariff (FY 2018-19)		Proposed Tariff (FY 2019-20)	
		Fixed Charges	Energy Charges	Fixed Charges	Energy Charges
Domestic (Fixed Charge: Rs./Conn./Month, Energy Charge: Rs./kWh)					
LT-Rural	All units	10	2.50		
	0-100 units			15	2.50
	Above 100 units			15	2.65
LT-Urban	All units	65	3.00		
	0-100 units			75	3.00
	Above 100 units			75	3.20
Domestic-HT (Fixed Charge: Rs./kVA/Month, Energy Charge: Rs./kWh)					
HT	All units	50	2.65	55	2.75
Commercial Service (Fixed Charge: Rs./kW/Month, Energy Charge: Rs./kWh)					
CS-Rural	All units	-	2.50	-	2.50
CS-Urban	All units	125	3.75	125	3.75
Industrial Services (Fixed Charge: Rs./kVA/Month, Energy Charge: Rs./kWh)					
LTIS-Demand Based	All units	170	4.05	170	4.05
Industrial Services (Fixed Charge: Rs./HP/Month, Energy Charge: Rs./kWh)					
LTIS-Installation Based	All units	125	4.05	125	4.05
Industrial Services (Fixed Charge: Rs./kVA/Month, Energy Charge: Rs./kWh)					
HTS	All units	195	5.15	195	5.15
HTSS	All units	365	3.75	370	3.85
Industrial Services (Fixed Charge: Rs./kVA/Month, Energy Charge: Rs./kVAh)					
HTS	All units	-	-	195	5.00
HTSS	All units	-	-	370	3.75

Note: The Petitioner has proposed both kWh and kVAh based Tariff Structure for HT Category Consumers.

Revision in Miscellaneous Charges

3.23 The Petitioner has proposed minor change in Disconnection/Reconnection Charge in the existing Schedule of Miscellaneous Charges as shown below:

Table 12: Revised schedule of miscellaneous charges proposed by Petitioner for FY 2019-20

S No.	Purpose	Scale of charges	Manner in which payment will be realised
1	Application Fees		
	Domestic	Rs. 15 (Kutir Jyoti), Others Rs. 20	Application should be given in standard requisition form of the



S No.	Purpose	Scale of charges	Manner in which payment will be realised
	Street Light	Rs. 20	licensee which will be provided free of cost. Payable with energy bill
	Agriculture	Rs. 10	
	Commercial	Rs. 20	
	Other LT Categories	Rs. 50	
	HT Supply	Rs. 100	
	HTSS, EHTS, RTS	Rs. 100	
2	Revision of estimate when a consumer intimates changes in his requirement subsequent to the preparation of service connection estimate based on his original application.		
	Domestic	Rs. 30	Payable with energy bill
	Agriculture	Rs. 10	
	Commercial	Rs. 30	
	Other LT Categories	Rs. 50	
	HT Supply	Rs. 150	
3	Testing of Consumer Installation		
	First test and inspection free, subsequent test and inspection charges	Rs 100	Payable with energy bill
4	Meter test when accuracy disputed by consumer		
	Single phase	Rs. 40	If the meter is found defective within the meaning of the Indian Electricity Rules 1956, no charge shall be levied. If it is proved to be correct within the permissible limits laid down in the Rules, the amount will be charged in the next energy bill.
	Three phase	Rs. 100	
	Trivector/special type meter, HT, EHT metering equipment	Rs. 650	
5	Removing/ Re-fixing of meter		
	Single phase	Rs. 50	Payable with energy bill
	Three phase	Rs. 100	
	Trivector/special type meter, Three phase with CT/HT metering equipment	Rs. 300	
6	Changing of meter/meter equipment/fixing of sub meter on the request of consumer		
	Single phase	Rs. 50	Payable with energy bill
	Three phase	Rs. 100	
	Trivector/special type meter	Rs. 300	
7	Resealing of meter when seals are found broken		
	Single phase	Rs. 25	Payable with energy bill
	Three phase	Rs. 50	
	Trivector/special type meter	Rs. 100	
8	Fuse call- Replacement		
	Board fuse due to fault of consumers	Rs. 30	Payable with energy bill
	Consumers fuse	Rs. 30	
9	Disconnection/ Reconnection		
	Single phase	500	Payable in advance along with the request by the consumer. If the same consumer is reconnected /
	Three phase	700	
	LT Industrial supply	1000	



S No.	Purpose	Scale of charges	Manner in which payment will be realised
	HT Supply	1500	disconnected within 12 months of last disconnection/reconnection, 50% will be added to the charges
10	Replacement of meter card, if lost or damaged by consumer	Rs. 10	Payable with energy bill
11	Security Deposit	As per JSERC (Electricity Supply Code) Regulations, 2015	
12	Meter rent/month		
	Domestic Single phase/Three phase	Rs. 20/50	Payable with energy bill
	LT meter with CT	Rs. 250	
	11 kV at low voltage	Rs. 400	
	11 kV at 6.6/11 kV	Rs. 600	
	33 kV HT side	Rs. 2500	
	132 kV	Rs. 15000	
	RTS or 220 kV	Rs. 15000	
13	Replacement of Burnt meter	Cost of meter	Payable with energy bill
14	Transformer Rent*		
	Upto 200 kVA	Rs 5500/month	Payable with energy bill
	Above 200 kVA	Rs 7500/month	
*Applicable for a 6-month duration from the date of taking the transformer on rent, thereafter monthly escalation of 10% would be applicable			

3.24 The Commission as discussed in Section A1 of this Order has already stated that as the Petitioner has filed another Petition seeking True up for FY 2018-19, Annual Performance Review for FY 2019-20 and Annual Revenue Requirement and Tariff for FY 2020-21, the Commission is only carrying out truing-up for FY 2016-17 and FY 2017-18 in this Order.



A 4: PUBLIC CONSULTATION PROCESS

- 4.1 The Petition filed by the Petitioner evoked responses from several stakeholders. The Public Hearing was held on January 16, 2020 to ensure maximum public participation and transparency wherein stakeholders put forth their comments and suggestions before the Commission in the presence of the Petitioner. The list of the attendees is attached as **Annexure-1** to this Order.
- 4.2 During the course of public hearing, the Commission also allowed persons/representatives of entities who had not submitted prior written representations but attended the public hearings to express their views, in person, regarding the Petition filed by the Petitioner and also about ways and means to improve the services rendered by the Petitioner.
- 4.3 The written as well as comments and suggestion of the members of the public expressed during the Public Hearing along with the response thereon of the Petitioner and the views of the Commission are detailed hereunder:

Release of Connection

Public Comments/Suggestions

- 4.4 The Stakeholder requested the Commission to direct the Petitioner to release the new connections at the earliest. Further, the Petitioner is also required to expand its infrastructure to reach each consumer in its Licence area.

Petitioner's Response

- 4.5 The Petitioner submitted that it ensures that all the application for new connection are processed in time as per regulations. However, there are external issues such as Right of Way (RoW), NOC etc. due to which there is delay in release of connection in some special cases beyond the control of the Petitioner.
- 4.6 The Petitioner further added that they are expanding its network infrastructure within its licensee area and further that such expansion work is capital intensive as well as time consuming task.

Views of the Commission

- 4.7 The Commission has gone through the submissions of the Stakeholder and the Petitioner. The Commission directs the Petitioner to ensure that the Licensee expands its



infrastructure in its licensee area and release the new connection timely as per regulations.

New Category for Religious place/Govt. School

Public Comments/Suggestions

4.8 The Stakeholder requested the Commission to create a new category for religious place and government school.

Petitioner's Response

4.9 The Petitioner submitted that the Stakeholder had placed its request before the Commission. The Commission may take an appropriate decision which will be binding on the Petitioner.

Views of the Commission

4.10 The Commission has gone through the submissions of the Stakeholder and the Petitioner. As the Commission is only carrying out the trueing up for FY 2016-17 and FY 2017-18 hence the issue is not relevant to the current proceedings and may be taken up the above submissions in consideration while determining Tariff for FY 2020-21.

Installation of Streetlight in rural area

Public Comments/Suggestions

4.11 The Stakeholder requested the Petitioner to install streetlight in rural area. Such initiative will reduce the risk of elephant attack in the night which is very common in rural area.

Petitioner's Response

4.12 The Petitioner submitted streetlights are provided by Municipality in urban and by panchayat in rural area. However, the Petitioner will discuss the matter with the Management for consideration.

Views of the Commission

4.13 The Commission has gone through the submissions of the Stakeholder and the Petitioner. The Commission is of the view that the subject is not related to tariff and hence not to be dealt in this order.



Migration from kWh to kVAh based billing

Public Comments/Suggestions

4.14 The Stakeholder requested the Commission to reject the plea of the Petitioner of migration from kWh to kVAh based billing. The Stakeholder further added that the Petitioner purchases power from Generators in kWh and therefore the consumer billing should also be in kWh.

Petitioner's Response

4.15 The Petitioner submitted that the migration from kWh to kVAh will reflect the actual consumption pattern of consumer. Such initiative will increase the discipline among the consumer to improve their power factor.

Views of the Commission

4.16 The Commission has gone through the submissions of the Stakeholder and the Petitioner. As the Commission is only carrying out the trueing up for FY 2016-17 and FY 2017-18 hence the issue is not relevant to the current proceedings and may be considered while determining Tariff for FY 2020-21.

Delay Payment Surcharge

Public Comments/Suggestions

4.17 The Stakeholder submitted that even for delay for one day, the Petitioner charges the Consumer the Delay Payment Surcharge (DPS) for the complete month. The Stakeholder requested to consider the DPS based on the actual days.

Petitioner's Response

4.18 The Petitioner submitted that the Delay Payment Surcharge is calculated as applicable Tariff Order approved by the Commission.

Views of the Commission

4.19 The Commission has gone through the submissions of the Stakeholder and the Petitioner. The Commission is of the view that the Delay Payment Surcharge is to be governed as per JSERC (Supply Code) Regulations, 2015 as amended from time to time.



A 5: TRUE-UP FOR FY 2016-17 AND FY 2017-18

- 5.1 The Commission had approved the MYT Order for 2nd Control period i.e. FY 2016-17 to FY 2020-21 and determined the tariff for FY 2016-17 vide its Order dated February 28, 2017 based on the principles specified in the JSERC Distribution Tariff Regulations, 2015.
- 5.2 Later, on June 07, 2018, the Commission had issued Order on Truing-up for FY 2015-16, Annual Performance Review for FY 2016-17, Annual Review Requirement and tariff for FY 2017-18.
- 5.3 Further, the Petitioner had filed the review petition against the Commission's Order dated June 07, 2018 on True-up Order for FY 2015-16 which was disposed by the Commission on September 25, 2018.
- 5.4 The Petitioner has now sought approval for True-up for FY 2016-17 and FY 2017-18 based on the Audited Accounts taking into consideration the provisions of the Tariff Regulations, 2015 and the methodology adopted by the Commission in the earlier Orders.
- 5.5 The Commission based on the provisions of the Tariff Regulations, 2015 has now carried out the True-up for the FY 2016-17 and FY 2017-18 taking in account the following:
 - (a) Audited (Statutory) accounts for the FY 2016-17;
 - (b) Audited (Statutory) accounts for the FY 2017-18;
 - (c) JSERC Distribution Tariff Regulations, 2015;
 - (d) Methodology adopted by the Commission in its earlier Orders.
- 5.6 The component-wise description of the Petitioner's Submission and the Commission's analysis on the same is provided in the foregoing paragraphs.

Consumers, Connected Load and Energy Sales

Petitioner's Submission

- 5.7 The Petitioner has submitted the category-wise details of number of consumers, connected load and energy sales for FY 2016-17 and FY 2017-18 based on the actuals.

Commission's Analysis

- 5.8 The Commission after scrutinizing the latest information submitted by the Petitioner and after carrying out prudence check, approves the actual number of consumers, connected



load and energy sales as submitted by the Petitioner for FY 2016-17 and FY 2017-18 as summarised below.

Table 13: Number of Consumers, Connected Load and Sales as submitted by the Petitioner and approved by the Commission for FY 2016-17

Consumer Category	FY 2016-17					
	Petition			Approved		
	No. of Consumers	Connected Load (kVA/kW/HP)	Consumption (MU)	No. of Consumers	Connected Load (kVA/kW/HP)	Consumption (MU)
Domestic	1444	19282	13.23	1444	19282	13.23
LT-Rural	202	342	0.19	202	342	0.19
LT-Urban	1213	10984	6.24	1213	10984	6.24
DS HT	29	7956	6.79	29	7956	6.79
Non-Domestic	578	5580	4.14	578	5580	4.14
Rural-Commercial	5	8	0.002	5	8	0.002
Urban-Commercial	573	5572	4.14	573	5572	4.14
Low Tension	161	8810	9.53	161	8810	9.53
Installation Based	161	8810	9.53	161	8810	9.53
HT Services	208	144604	454.58	208	144604	454.58
High Tension Service	198	131139	414.64	198	131139	414.64
HTS 11 KV	177	54903	149.43	177	54903	149.43
HTS 33 KV	21	76236	265.21	21	76236	265.21
HT Special Service	10	13465	39.94	10	13465	39.94
HTSS 11 KV	5	5365	19.31	5	5365	19.31
HTSS 33 KV	5	8100	20.63	5	8100	20.63
Total	2391	178276	481.48	2391	178276	481.48

Table 14: Number of Consumers, Connected Load and Sales as submitted by the Petitioner and approved by the Commission for FY 2017-18

Consumer Category	FY 2017-18					
	Petition			Approved		
	No. of Consumers	Connected Load (kVA/kW/HP)	Consumption (MU)	No. of Consumers	Connected Load (kVA/kW/HP)	Consumption (MU)
Domestic	2276	24562	17.19	2276	24562	17.19
LT-Rural	268	483	0.34	268	483	0.34
LT-Urban	1976	16389	8.59	1976	16389	8.59
DS HT	32	7690	8.26	32	7690	8.26
Non-Domestic	653	6423	5.41	653	6423	5.41
Rural-Commercial	6	9	0.01	6	9	0.01
Urban-Commercial	647	6414	5.40	647	6414	5.40
Low Tension	197	10290	11.76	197	10290	11.76
Installation Based	197	10290	11.76	197	10290	11.76
HT Services	223	165055	548.72	223	165055	548.72
High Tension	210	145040	494.44	210	145040	494.44



Consumer Category	FY 2017-18					
	Petition			Approved		
	No. of Consumers	Connected Load (kVA/kW/HP)	Consumption (MU)	No. of Consumers	Connected Load (kVA/kW/HP)	Consumption (MU)
Service						
HTS 11 KV	187	62454	174.34	187	62454	174.34
HTS 33 KV	23	82586	320.10	23	82586	320.10
HT Special Service	13	20015	54.28	13	20015	54.28
HTSS 11 KV	6	6165	26.30	6	6165	26.30
HTSS 33 KV	7	13850	27.98	7	13850	27.98
Total	3349	206330	583.08	3349	206330	583.08

Energy Balance

Petitioner's Submission

5.9 The Petitioner has submitted that in order to meet its energy requirement, it has procured power from two (2) sources i.e. Damodar Valley Corporation at 33kV and 132kV and Tata Steel Limited at 6.6kV and 132kV. The Petitioner has further submitted the actual sales along with distribution losses for True-up for FY 2016-17 and FY 2017-18. The Petitioner requested the Commission to approve the sale and distribution loss on actuals as submitted below:

Table 15: Energy Balance as submitted by the Petitioner (MU)

Particulars	FY 2016-17		FY 2017-18	
	APR	Petition	ARR	Petition
Energy Requirement				
Sales (MU)	481.48	481.48	508.62	583.08
Overall Distribution Losses %	1.24%	1.24%	2.00%	0.98%
Overall Distribution Losses (MU)	6.06	6.05	10.38	5.73
Energy Requirement	487.53	487.53	519.00	588.81
Energy Availability				
Tata Steel Ltd.	279.29	279.29	289.00	314.56
DVC at 33 kV	97.34	97.34	100.00	106.91
DVC at 132 kV	110.91	110.91	130.00	167.33
Energy Availability	487.53	487.53	519.00	588.81

Commission's Analysis

5.10 The Commission has gone through the submissions of the Petitioner and approves the sales for FY 2016-17 and FY 2017-18 as per audited accounts submitted by the Petitioner. The Commission has further approved the power purchase quantum from each



source after scrutinising the energy bills raised by Damodar Valley Corporation (DVC) and Tata Steel Limited (TSL).

- 5.11 With regard to distribution loss, the Commission observes that the actual distribution loss of 1.24% and 0.98% for FY 2016-17 and FY 2017-18 respectively claimed by the Petitioner is well within the approved level of 1.24% and 2.00% in Tariff Order dated June 07, 2018 and therefore approves the same.
- 5.12 The following table details the energy sales, distribution losses and power purchase quantum as submitted by the Petitioner and as approved by the Commission.

Table 16: Energy Requirement as approved by the Commission (MU)

Particulars	FY 2016-17			FY 2017-18		
	APR	Petition	Approved	ARR	Petition	Approved
Energy Requirement						
Sales (MU)	481.48	481.48	481.48	508.62	583.08	583.08
Overall Distribution Losses %	1.24%	1.24%	1.24%	2.00%	0.98%	0.98%
Overall Distribution Losses (MU)	6.06	6.05	6.05	10.38	5.73	5.73
Energy Requirement	487.53	487.53	487.53	519.00	588.81	588.81
Energy Availability						
Tata Steel Ltd.	279.29	279.29	279.29	289.00	314.56	314.56
DVC at 33 kV	97.34	97.34	97.34	100.00	106.91	106.91
DVC at 132 kV	110.91	110.91	110.91	130.00	167.33	167.33
Energy Availability	487.53	487.53	487.53	519.00	588.81	588.81

Power Purchase Cost

Petitioner's Submission

- 5.13 The Petitioner has submitted that it has sourced its power requirement from TSL and DVC. The Petitioner has claimed power purchase of Rs. 213.43 Crore based on the principles adopted by the Commission in the previous Orders. Out of the above-mentioned power purchase cost, Rs. 115.74 Crore is towards power purchase from TSL and remaining Rs. 97.69 Crore is towards power procured from DVC.
- 5.14 Similarly, for FY 2017-18, out of Rs. 261.41 Crore, power procurement cost from TSL is Rs. 135.31 Crore and remaining is for power procured from DVC.
- 5.15 In regards to Renewable Power Obligation, the Petitioner quoted the extract of Commission's MYT Order dated February 28, 2017 as reproduced below:

"...8.15 Further, the Petitioner is mandated to purchase power from renewable energy (RE) sources to meet its RPO. The Petitioner has submitted that both DVC



and TSL are distribution licensees and show energy sale to petitioner as a part of its Energy Requirement and both the licensees fulfil RPO as a percentage of this energy requirement which includes petitioner's requirement. Hence, the Petitioner has not considered any Renewable Power Purchase for meeting the RPO and the Commission approves the same.....”

- 5.16 The Petitioner thus requested the Commission to approve the total power purchase cost for FY 2016-17 and FY 2017-18 as Rs. 213.43 Crore and Rs. 261.41 Crore respectively.

Table 17: Power Procurement Cost as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18	
	APR	Petition	ARR	Petition
Power Purchase Cost				
Tata Steel Ltd.	115.53	115.74	117.84	135.31
DVC at 33 kV	47.76	47.76	49.06	52.55
DVC at 132 kV	49.93	49.93	58.53	73.55
Power Purchase Cost	213.22	213.43	225.43	261.41

Commission's Analysis

- 5.17 The Commission has scrutinized the audited Account and monthly power procurement bills of TSL and DVC as submitted by the Petitioner.
- 5.18 The Commission directed the Petitioner to submit the agreement executed with TSL and DVC for power procurement. Further, the Petitioner was required to provide the justification for claim of per unit cost of Rs. 4.14 and Rs. 4.30 for power procured from TSL for FY 2016-17 and FY 2017-18 respectively. The Petitioner was also supposed to provide the basis and calculation of Rs. 0.06 per unit raised by TSL as FPPPA for the month of January'18, February'18 and March'18.
- 5.19 The Petitioner in its compliance to Commission's query submitted the agreement executed with TSL and DVC. The Petitioner in its reply submitted that due to subsequent debit/credit entry arising out of the difference in approved and trued up value of power procurement cost of TSL for previous year, the audited value does not match with the petition and requested the Commission to approve the cost as submitted by the Petitioner.
- 5.20 The Commission has gone through the submissions of the Petitioner. The cost of power purchased from TSL is approved based on the average power procurement cost as approved in the true up Order for TSL, Distribution licensee.



- 5.21 In case of power procured from DVC, the Commission approves the power procurement cost based on the audited accounts, monthly bills submitted and Tariff Order of DVC dated September 04, 2014.
- 5.22 Further, the Commission in its discrepancy letter dated April, 18, 2019 directed the Petitioner to submit the compliance certificate from TSL and DVC stating that generating source fulfils the RPO on behalf of JUSCO as claimed in the petition for FY 2016-17 and FY 2017-18. The Petitioner in its reply dated May 06, 2019 submitted the compliance certificate from TSL. However, for power procured through DVC, the Petitioner submitted that compliance certificate is yet to be obtained. Later, on August 20, 2019, the Petitioner submitted the letter dated August 20, 2019, stating that DVC has not considered the units sold to the Petitioner while computing the Renewable Power Obligation (RPO) target for FY 2016-17, 2017-18.
- 5.23 The Petitioner has further submitted that the Petitioner purchased power at tariff approved by the Commission for consumers of DVC and no differentiation is made in the tariff at which energy is being sold to JUSCO or any other consumer of DVC. This implies that the element of RPO which is there in the tariff of other consumers of DVC is also there in the tariff paid by the Petitioner. Hence, in case the Petitioner is again required to comply with RPO on the energy purchase from DVC, then the Petitioner's consumers will be burdened twice to the extent of fulfilling RPO.
- 5.24 The Commission has scrutinized the details submitted by the Petitioner and is of the view that since the Petitioner is procuring power from Distribution Licensees i.e. TSL and DVC at the retail tariff determined by the Commission and therefore TSL and DVC are required to meet the RPO compliance for the units sold to the Petitioner.
- 5.25 The Power Procurement Cost from each source as submitted by the Petitioner and that approved by the Commission for FY 2016-17 and FY 2017-18 is tabulated below.

Table 18: Power Procurement Cost as approved by the Commission (Rs. Crore)

Particulars	FY 2016-17			FY 2017-18		
	APR	Petition	Approved	ARR	Petition	Approved
Power Purchase Cost						
Tata Steel Ltd.	115.53	115.74	115.46	117.84	135.31	136.54
DVC at 33 kV	47.76	47.76	47.76	49.06	52.55	52.55
DVC at 132 kV	49.93	49.93	49.93	58.53	73.55	73.55
Power Purchase Cost	213.22	213.43	213.14	225.43	261.41	262.64



Capital Work in Progress (CWIP) & Gross Fixed Asset (GFA)

Petitioner's Submission

- 5.26 The Petitioner has considered the opening and closing CWIP as per Balance Sheet Statement for FY 2016-17 and FY 2017-18. The assets transferred to GFA are considered from Note-1 of the Audited Accounts statement. With regards to capital expenditure, the Petitioner has incurred Rs. 22.39 Crore and Rs. 24.12 Crore (including Consumer Contribution amount) for FY 2016-17 and FY 2017-18 respectively against the approved value of Rs. 9.20 Crore and Rs. 15.28 Crore in MYT Order dated February 28, 2017.
- 5.27 The Petitioner has justified the variation for FY 2016-17 mainly on the account of works for issuing power connection to new consumers which stood at Rs. 12.47 Crore against Rs. 3.40 Crore approved in MYT Order dated February 28, 2017. The Petitioner further added that the capex of Rs.12.47 Crore is funded through Consumer Contribution on which the petitioner doesn't claim any Return on Equity. Similarly, for FY 2017-18, out of Rs. 3.74 Crore approved under Works for issuing power connection to Individual Consumers, actual expense incurred was Rs. 10.44 Crore. The scheme wise detail along with reason for variation as submitted by the Petitioner is tabulated below.

Table 19: Scheme wise reason for variation in Capital Expenditure (Rs. Crore)

Sl. no	Summary of Capital Expenditure Plan	FY 2016-17		FY 2017-18		Reason
		MYT	Actual	MYT	Actual	
1	Augment & New Infrastructure Works	5.80	5.69	11.54	9.00	-
2	Power Connection to Individual Consumers	3.40	12.47	3.74	10.44	Last mile connectivity, mainly through Consumer's Contribution.
Sub-Total (1+2)		9.20	18.16	15.28	19.44	
3	Material in Capital Store	-	4.23	-	4.68	Required for continuation of Capex Schemes & to expedite few Capex Schemes to meet the demand of Consumers.
Total (1+2+3)		9.20	22.39	15.28	24.12	

- 5.28 The Capital Work in Progress (CWIP) and Gross Fixed Asset (GFA) as submitted by the Petitioner is shown below.

Table 20: CWIP & GFA as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18	
	APR	Petition	ARR	Petition
<i>Capital Work in Progress</i>				
Opening CWIP	2.52	2.52	5.60	9.86
Capex Expenditure	9.20	22.39	15.28	24.12
Capitalization	6.12	15.04	10.19	19.86



Particulars	FY 2016-17		FY 2017-18	
	APR	Petition	ARR	Petition
Closing CWIP	5.60	9.86	10.69	14.12
Gross Fixed Asset				
Opening GFA	165.12	165.04	171.24	180.09
GFA Addition	6.12	15.04	10.19	19.86
Closing GFA	171.24	180.09	181.43	199.95

Commission's Analysis

- 5.29 The Commission vide its letter dated April, 18, 2019 directed the Petitioner to furnish the detailed breakup of scheme-wise actual capex, capitalization for FY 2016-17 and FY 2017-18. The Petitioner was further directed to provide the reason for slippage, if any. In addition to above, the Commission also directed the Petitioner to provide the actual financing for the capitalization during the FY 2016-17 and FY 2017-18.
- 5.30 In reply to the above letter, the Petitioner submitted the detailed breakup of scheme wise capitalization for FY 2016-17 and FY 2017-18 vis-a-vis that approved in the MYT Order dated February 28, 2017. The Petitioner further submitted that all the capital schemes during the FY 2016-17 and FY 2017-18 except for those funded through consumer contribution have been financed from internal accruals of the company.
- 5.31 The Commission scrutinised the scheme wise details of capitalisation submitted by the Petitioner along with the audited information for approval of CWIP and GFA for FY 2016-17 and FY 2017-18. The Capital Work In Progress (CWIP) and Gross Fixed Asset (GFA) approved by the Commission for FY 2016-17 and FY 2017-18 is shown below.

Table 21: CWIP & GFA as approved by the Commission (Rs. Crore)

Particulars	FY 2016-17			FY 2017-18		
	APR	Petition	Approved	ARR	Petition	Approved
Capital Work in Progress						
Opening CWIP	2.52	2.52	2.52	5.60	9.86	9.86
Capex Expenditure	9.20	22.39	22.39	15.28	24.12	24.12
Capitalization	6.12	15.04	15.04	10.19	19.86	19.86
Closing CWIP	5.60	9.86	9.86	10.69	14.12	14.12
Gross Fixed Asset						
Opening GFA	165.12	165.04	165.04	171.24	180.09	180.09
GFA Addition	6.12	15.04	15.04	10.19	19.86	19.86
Closing GFA	171.24	180.09	180.09	181.43	199.95	199.95



Consumer Contribution

Petitioner's Submission

5.32 The Petitioner submitted that the details of the opening Consumer Contribution is taken from Note-1 (Deferred Income and Consumer Contribution) and the amount transferred to deferred income is taken from Note 11(e) of the audited accounts of FY 2016-17. Similar approach is adopted for calculation of the Consumer Contribution for the FY 2017-18 and the Petitioner has estimated the Closing Consumer Contribution as Rs. 66.38 Crore.

Table 22: Consumer Contribution as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17	FY 2017-18
	Petition	Petition
Opening CC (Capitalized Net of Depreciation)	46.95	55.25
Addition in CC during the Year	12.34	15.66
Less: Transferred to Depreciation/Deferred Income	4.04	4.53
Closing CC (Capitalized Net of Depreciation)	55.25	66.38

Commission's Analysis

5.33 The Commission vide letter dated April, 18, 2019 directed the Petitioner to furnish the details of opening, closing and addition of consumer contribution during the financial year and to reconcile it with the audited accounts. In addition, the Petitioner was also required to submit the detailed calculation of depreciation/deferred income on Consumer Contribution (under different asset heads) of Rs. 4.04 Crore and Rs. 4.53 Crore as submitted for FY 2016-17 and FY 2017-18 respectively.

5.34 The Petitioner in its compliance to above letter, submitted the detail calculation of Consumer Contribution (CC) including capitalized part transferred to Gross Fixed Asset as per audited accounts. Further, the Petitioner has provided the calculation of depreciation/deferred income on Consumer Contribution as shown in the audited accounts for FY 2016-17 and FY 2017-18.

5.35 The Commission has scrutinized the detail submitted by the Petitioner and approves the addition in Consumer Contribution during the Financial Year as shown below.

Table 23: Consumer Contribution as approved by the Commission (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18	
	Petition	Approved	Petition	Approved
Addition in CC during the Year	12.34	12.34	15.66	15.66



Depreciation

Petitioner's Submission

- 5.36 The Petitioner submitted that the depreciation proportionate to the extent of fixed assets being funded through Consumer Contribution have been deducted from the total depreciation in order to arrive at the net depreciation.
- 5.37 The Petitioner submitted that the details of accumulated depreciation can be referred from Note-1 and Note-2 of Audited Accounts for FY 2016-17 and FY 2017-18 respectively and depreciation charged during the year can be referred from Profit and Loss (P&L) Statement of respective year. The Petitioner further submitted that the net depreciation amount claimed in true-up is in proportion to the assets created after deducting the assets created out of consumer contribution as referred in Note-11(e) for FY 2016-17 and Note-11 for FY 2017-18 of the audited accounts
- 5.38 Accordingly, the Petitioner has claimed Rs. 6.19 Crore and Rs. 6.66 Crore against Rs. 6.95 Crore and Rs. 7.15 Crore approved by the Commission in its Order dated June 7, 2018 for FY 2016-17 and FY 2017-18 respectively.

Table 24: Depreciation as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18	
	APR	Petition	ARR	Petition
Gross Depreciation	10.46	10.24	10.97	11.19
Depreciation on Account of CC	3.51	4.04	3.82	4.53
Net Depreciation	6.96	6.19	7.15	6.66

Commission's Analysis

- 5.39 The Commission has scrutinized the audited accounts submitted by the Petitioner. The relevant extract is reproduced below:

“f. Depreciation/Amortisation

Depreciation on plant and machinery is provided on straight line basis at the rates specified in Electricity Act 2003. Intangible Assets are amortized on straight line basis over a period of 9-10 years.

Assets valued below Rs. 5000/- (Rupees Five Thousand Only) and Mobile Phones are depreciated over a period of 1 year from the date of capitalization.”



5.40 The Commission has analysed the claim of the Petitioner of net depreciation after deducting the depreciation associated to Consumer Contribution from the Gross Depreciation. The Commission has approved the depreciation on Gross Fixed Asset based on the average value of opening and closing Gross Fixed Asset of the respective Financial Year. The rate of depreciation has been considered as claimed by the Petitioner. Further, the Commission has approved the depreciation on asset created out of Consumer Contribution based on the average value of opening and closing Consumer Contribution of the respective Financial Year and in proportion to gross depreciation computed on Gross Fixed Asset.

5.41 The following table summarizes the depreciation as submitted by the Petitioner and approved by the Commission for FY 2016-17 and FY 2017-18 respectively.

Table 25: Depreciation as approved by the Commission (Rs. Crore)

Particulars	FY 2016-17			FY 2017-18		
	APR	Petition	Approved	ARR	Petition	Approved
Gross Depreciation	10.46	10.24	10.24	10.97	11.19	11.19
Depreciation on account of CC	3.51	4.04	3.92	3.82	4.53	4.72
Net Depreciation	6.96	6.20	6.32	7.15	6.66	6.47

Interest and Finance Charges (IFC)

Petitioner's Submission

5.42 The Petitioner submitted that the normative loan has been computed considering the normative Debt-Equity Ratio of 70:30. The deemed repayment has been considered equivalent to net depreciation for FY 2016-17 and FY 2017-18 respectively.

5.43 The table below shows the normative loan and normative equity added during the FY 2016-17 and FY 2017-18 as submitted by the Petitioner. The normative loan is estimated by the Petitioner based on actual capitalization and consumer contribution received during the year as per audited accounts for FY 2016-17 and FY 2017-18.

Table 26: Normative Loan & Normative Equity added during the Year (Rs. Crore)

Particulars	FY 2016-17	FY 2017-18
	Petition	Petition
Assets added during the Year	15.04	19.86
Less: CC received during the Year	12.34	15.66
Normative Amount Added during the Year	2.70	4.20
Normative Equity Addition @ 30%	0.81	1.26
Normative Debt Addition @ 70%	1.89	2.94



5.44 The Petitioner submitted that it has computed normative interest in accordance with the Regulation 6.24 and Regulation 6.25 of JSERC Distribution Tariff Regulations, 2015 on the average balance of loan during the financial year. The opening balance of normative loan has been considered equal to the closing normative loan balance for FY 2015-16 as approved in the true-up Order for FY 2015-16. The addition of loan amount has been considered on normative basis and repayments equal to depreciation for that respective year. The rate of interest for the year is considered as SBI Base Rate plus 200 basis points as applicable on April 01, of respective financial year.

Table 27: Interest and Finance Charges as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18	
	APR	Petition	ARR	Petition
Opening Balance of Normative Loan	43.54	43.54	37.21	39.24
Add: Deemed Addition during the FY	0.63	1.89	3.21	2.94
Less: Deemed Repayment	6.96	6.19	7.15	6.66
Closing Balance of Normative Loan	37.21	39.24	33.18	35.52
Average Balance of Normative Loan	40.38	41.39	35.20	37.38
SBI Base Rate plus 200 bp	11.30%	11.30%	11.10%	11.10%
Interest on Loan	4.56	4.68	3.91	4.15
Finance Charges	-	-	-	0.26
Interest and Finance Charges	4.56	4.68	3.91	4.41

Commission's Analysis

5.45 In accordance with the JSERC Distribution Tariff Regulations, 2015 and the principles adopted in the previous tariff order, the Commission has computed the normative loan addition during the Financial Year equal to 70% of the approved capitalization excluding those funded through consumer contribution.

5.46 Further, in accordance with the above-mentioned regulations, interest on normative loan has been calculated on the average normative loan outstanding during the year at the interest rate of SBI Base Rate plus 200 basis points (bp).

5.47 The Petitioner has submitted that under previous GAAP accounting standards, land amounting to Rs. 0.076 Crore was classified as land and amortised over the lease life of the land. The land has been taken for a lease of 30 years in October 2010 which will be classified under the definition of operating lease under IND-AS. Hence, the amount paid for acquiring the land under lease is regrouped to other financial asset and shall be charged off to profit & loss account during the remaining lease period. The Commission directed the Petitioner to submit the impact of removal of such assets from GFA on the outstanding Debt. The Petitioner in its reply submitted that there will be no impact on the



opening debt as the same was part of GFA till March 31, 2016, regrouped due to change in accounting standard and the same is removed from the GFA in FY 2016-17.

- 5.48 The Commission vide its letter dated April, 18, 2019 directed the Petitioner to furnish the documentary evidence for its claim of Rs. 0.26 Crore as finance charge for FY 2017-18. The Petitioner in its reply dated May 06, 2019 submitted that the financing charges are towards Bank Guarantee (BG) charges for maintaining BG for procuring power from Damodar Valley Corporation (DVC) and Jharkhand Industrial Area Development Authority for Right of Way (RoW) permissions for cable laying etc. The Petitioner further stated that the amount is also reflected in Note-16 of audited accounts of FY 2017-18 under Bank Charges/Fees. The Petitioner vide its reply dated October 01, 2019 further added that Rs. 0.26 Crore is not included in the A&G expense for FY 2017-18 and such bifurcation is necessary as the Petitioner had to pay significantly higher amount as Bank Guarantee charges i.e. Rs. 26 Lakhs for FY 2017-18 as compared to minimal value of Rs. 4.00 Lakhs in previous year, due to additional Contract/Contract renewal from DVC to cater to increase in load growth.
- 5.49 The Commission has gone through the submissions of the Petitioner and is of the view that the Commission has approved A&G Expenses for FY 2016-17 and FY 2017-18 considering the actual A&G expenses for FY 2015-16 which includes such charges. Further, the Petitioner in its reply has not substantiated the disproportionate increase in such charges as contract demand has not increased in the same proportion. Further, the Petitioner has claimed other charges pertaining to ROW under the finance charges without providing any justification for the same. Hence, the Commission does not find it appropriate to approve it separately.
- 5.50 The following table details the Interest and Finance Charges as submitted by the Petitioner and approved by the Commission for FY 2016-17 and FY 2017-18.

Table 28: Interest and Finance Charges as approved by the Commission (Rs. Crore)

Particulars	FY 2016-17			FY 2017-18		
	APR	Petition	Approved	ARR	Petition	Approved
Opening Loan	43.54	43.54	43.54	37.21	39.24	39.12
Normative Addition	0.63	1.89	1.89	3.12	2.94	2.94
Normative Repayment	6.96	6.19	6.32	7.15	6.66	6.47
Closing Loan	37.21	39.24	39.12	33.00	35.52	35.59
Average Loan	40.38	41.39	41.33	35.20	37.38	37.35
Rate of Interest	11.30%	11.30%	11.30%	11.10%	11.10%	11.10%
Interest on Loan	4.56	4.68	4.67	3.91	4.15	4.15
Finance Charge	-	-	-	-	0.26	0.00



Particulars	FY 2016-17			FY 2017-18		
	APR	Petition	Approved	ARR	Petition	Approved
Interest and Finance Charges	4.56	4.68	4.67	3.91	4.41	4.15

Interest on Security Deposits

Petitioner's Submission

- 5.51 The Petitioner has furnished the detail of Interest on Security Deposit as per Audited Account submitted along with the petition. The Petitioner submitted that it has paid Interest on Security Deposit after considering the actual security deposit, period of security deposits held and applicable interest rate.
- 5.52 The Petitioner has submitted the average security deposit amount as on year-end of FY 2016-17 and FY 2017-18 as Rs. 58.35 Crore and Rs. 61.31 Crore respectively and the corresponding interest on security deposit as Rs. 4.03 Crore for FY 2016-17 and Rs.7.39 Crore. For FY 2017-18.

Table 29: Consumer Security Deposit as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18	
	APR	Petition	ARR	Petition
Opening CSD	57.19	57.19	58.36	59.52
CSD Addition	2.33	2.33	0.46	3.57
Closing CSD	59.52	59.52	58.82	63.09
Interest on CSD	5.44	4.03	5.33	7.39

Commission's Analysis

- 5.53 The Commission has scrutinized the details as submitted by the Petitioner and find the claim in line to JSERC Distribution MYT Regulations, 2015. The Interest on Security Deposits as approved by the Commission for FY 2016-17 and FY 2017-18 is shown below.

Table 30: Consumer Security Deposit as approved by the Commission (Rs. Crore)

Particulars	FY 2016-17			FY 2017-18		
	APR	Petition	Approved	ARR	Petition	Approved
Opening CSD	57.19	57.19	57.19	58.36	59.52	59.52
CSD Addition	2.33	2.33	2.33	0.46	3.57	3.57
Closing CSD	59.52	59.52	59.52	58.82	63.09	63.09
Interest on CSD	5.44	4.03	4.03	5.33	7.39	7.39



Return on Equity

Petitioner's Submission

- 5.54 The Petitioner has claimed the Opening Balance of Equity equal to closing of previous year as approved by the Commission. The Petitioner further submitted that the deemed addition to the normative equity has been taken as 30% of Gross Fixed Asset added during the Financial Year net of Consumer Contribution. The normative Return on Equity is claimed @ 15.5% in line with JSERC Distribution Tariff Regulation 2015.
- 5.55 The Petitioner has computed the normative tax as per the principles laid down in JSERC Distribution Tariff Regulations 2015 and methodology approved by the Commission in the previous tariff orders. Considering the above methodology, the Petitioner submitted that it has paid the Minimum Alternate Tax (MAT) @ 21.342% (MAT Rate: 18.50%, Surcharge: 12% & Education Cess: 3%) and accordingly Return on Equity is grossed by tax rate for truing up purpose. The income tax challan copy was also provided as supporting documents towards payment of taxes for FY 2016-17 and FY 2017-18.

Table 31: Return on Equity as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18	
	APR	Petition	ARR	Petition
Opening Equity	33.88	33.88	34.15	34.69
Deemed Addition	0.27	0.81	1.34	1.26
Closing Equity	34.15	34.69	35.49	35.95
Rate of Return on Equity	15.50%	15.50%	15.50%	15.50%
Return on Equity	5.27	5.31	5.40	5.48
Tax Rate	-	21.34%	-	21.34%
Tax on Return on Equity	-	1.45	-	1.48
Return on Equity including Tax	-	6.76	-	6.96

Commission's Analysis

- 5.56 In accordance with the JSERC Distribution Tariff Regulations, 2015, the Commission has considered the equity addition during the Financial Year equal to 30% of approved capitalization (net of Consumer Contribution) during the Financial Year.
- 5.57 The Petitioner has submitted that under previous GAAP accounting standards, land amounting to Rs. 0.076 Crore was classified as land and amortised over the lease life of the land. The land has been taken on lease for 30 years in October 2010 which will now be classified under the definition of operating lease under IND-AS. Hence, the amount paid for acquiring the land under lease has been regrouped to other financial asset and has



now been charged off to profit & loss account during the remaining life of the lease asset. The Commission directed the Petitioner to submit the impact of the same on Equity balance. The Petitioner in its reply submitted that there will be no impact on the opening Equity as the same was part of GFA till March 31, 2016, regrouped due to change in accounting standard and the same is removed from the GFA in FY 2016-17.

- 5.58 The Commission is of the view that since the asset was forming part of the GFA in FY 2015-16 and was removed from the Gross Fixed Asset (GFA) in FY 2016-17, hence the normative equity equivalent to removed assets of Rs. 0.076 Crore should be deducted to derive the opening equity for FY 2016-17.
- 5.59 The Commission vide its letter dated April 18, 2019 directed the Petitioner to provide the actual tax paid along with the calculation for share of JUSCO-power business. The Petitioner in its reply vide dated May 06, 2019 submitted that the Income tax on power business should be applicable at the rate of 21.342% (MAT Rate: 18.50%, Surcharge: 12% & Education Cess: 3%) in case the power business would have been the only business of the Petitioner.
- 5.60 The Petitioner has further submitted the Income Tax Return (ITR) Acknowledgement as a documentary proof for payment of tax for FY 2016-17 and FY 2017-18.
- 5.61 The Commission has considered the submission of the Petitioner and approves the Income Tax on Equity @ 21.342% for FY 2016-17 and FY 2017-18.
- 5.62 The table below details the Return on Equity submitted by the Petitioner and approved by the Commission for FY 2016-17 and FY 2017-18.

Table 32: Return on Equity as approved by the Commission (Rs. Crore)

Particulars	FY 2016-17			FY 2017-18		
	APR	Petition	Approved	ARR	Petition	Approved
Opening Equity	33.88	33.88	33.86	34.15	34.69	34.67
Deemed Addition	0.27	0.81	0.81	1.34	1.26	1.26
Closing Equity	34.15	34.69	34.67	35.49	35.95	35.93
Rate of Return on Equity	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%
Return on Equity	5.27	5.31	5.31	5.40	5.48	5.47
Tax Rate	-	21.34%	21.34%	-	21.34%	21.34%
Tax on Return on Equity	-	1.45	1.44	-	1.48	1.48
Return on Equity including Tax	-	6.76	6.75	-	6.96	6.96



Interest on Working Capital

Petitioner's Submission

5.63 The Petitioner has not claimed any Interest on Working Capital (IoWC) for FY 2016-17 and FY 2017-18.

Commission's Analysis

5.64 The Commission has not approved the Interest on Working Capital (IoWC) for FY 2016-17 and FY 2017-18.

Operation and Maintenance Expenses (O&M)

Petitioner's Submission

5.65 The Petitioner submitted that it has segregated each component of O&M Expenses. The Petitioner has calculated the normative value of Employee expenses based on the methodology adopted by the Commission in its review Order dated September 25, 2018 and has considered inflation factor of 3.96% for FY 2016-17.

5.66 Similarly, the Petitioner has projected the normative A&G expenses based on the inflation figure of 3.96% and load growth factor of 2.01% for FY 2016-17 and inflation figure of 3.01% and load growth factor of 15.74% for FY 2017-18.

5.67 The Petitioner has calculated the normative R&M expenses considering the 'k' factor as 2.54% as approved by the Commission in MYT Order dated February 28, 2017. The Petitioner further submitted that the Distribution Tariff Regulations 2015 has ignored to make provision for statutory increases like wages & labour charges, service tax levy, GST levy, other taxes & duties etc. while allowing the R&M expenses which has direct impact on the expenses of the company and the same are totally uncontrollable. Every business and each expense under it tend to be affected with inflationary increases and R&M expenses under distribution are no different. Hence, the Petitioner requested the Commission to also include inflationary adjustment while approving the normative R&M expenses.

5.68 The Petitioner has requested the Commission to revise the approved normative figures of A&G and R&M Expenses for the 2nd Control Period taking into the normative principles and the issues raised by the petitioner as under:

- Employee Expenses considering Load Growth + Inflation;



- A&G Expenses considering Load Growth + Inflation;
- Allow Additional fees due to amendment in Conduct of Business Regulations 2016 and additional CGRF expenses due to Commission's Order under Change in Law as separate element under O&M Head.

Table 33: Normative O&M Expenses as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18	
	APR	Petition	ARR	Petition
Employee Expenses	6.47	7.65	6.66	9.12
A&G Expenses	2.65	2.73	2.73	3.25
R&M Expenses	4.19	4.19	4.35	4.57
O&M Expenses	13.31	14.56	13.75	16.94
Expenses due to Statutory/Change in Law	-	0.20	-	0.16
Net-Normative O&M Expenses	13.31	14.76	13.75	17.10

- 5.69 Further, for calculation of sharing of gains/(loss) on O&M expense, the Petitioner has calculated the actual O&M expenses based on audited accounts for FY 2016-17 and FY 2017-18.
- 5.70 The actual Employee Expense as per audited account (Note-8) is Rs. 7.57 Crore and Rs.8.08 Crore for FY 2016-17 and FY 2017-18 respectively.
- 5.71 The Petitioner further submitted A&G Expense as Rs. 3.30 Crore and Rs. 2.65 Crore for FY 2016-17 and FY 2017-18 respectively as per audited account (Note 10) which mainly includes rent, travelling & conveyance, consultancy charges, advertisement expenses, security charges, vehicle hiring charges etc.
- 5.72 The Petitioner submitted the actual R&M Expenses for FY 2016-17 and FY 2017-18 as Rs. 3.85 Crore and Rs. 5.34 Crore respectively based on audited accounts (Note-9) which includes cost of repairs, stores consumables and spares and repairs etc.

Table 34: Actual O&M Expenses as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17	FY 2017-18
	Petition	Petition
Employee Expenses	7.57	8.08
A&G Expenses	3.30	2.65
R&M Expenses	3.85	5.34
O&M Expenses	14.72	16.08

- 5.73 The Petitioner had additionally claimed Rs. 0.20 Crore for FY 2016-17 and Rs. 0.16 Crore for FY 2017-18 towards petition filing fee and increase in CGRF expenses (rent & remuneration) under the head of Change in Law.



5.74 The table mentioned below depicts the O&M expenses claimed by the Petitioner including sharing of gain/(loss).

Table 35: O&M Expenses including sharing of Gain/Loss as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17	FY 2017-18
	Petition	Petition
Normative O&M Expenses	14.56	16.94
Actual O&M Expenses	14.72	16.08
Gain/(Loss)	(0.16)	0.86
Sharing of Gain/(Loss)	-	0.52
Add: Change in Law	0.20	0.16
O&M Claimed	14.76	16.75

Commission's Analysis

5.75 The Commission has approved the actual O&M expenses for FY 2016-17 and FY 2017-18 based on the audited accounts for the respective years.

Table 36: Actual O&M Expenses as approved by the Commission (Rs. Crore)

Particulars	FY 2016-17	FY 2017-18
	Approved	Approved
Employee Expenses	7.57	8.08
A&G Expenses	3.30	2.92
R&M Expenses	3.85	5.34
O&M Expenses	14.72	16.34

5.76 The Commission has approved the true up for FY 2015-16 in its Order dated June 07, 2018. Further, in the same Order, the Commission has carried out the Annual Performance Review for FY 2016-17 based on the actual O&M Expenses of FY 2015-16 as per audited accounts and taking into account the relevant provisions of JSERC Distribution Tariff Regulations, 2015.

5.77 The Commission in this Order has calculated the normative Employee Expenses for FY 2016-17 and FY 2017-18 based on actual employee expenses (Salaries and Wages and Staff Welfare Expenses) for FY 2015-16 as per audited accounts, actual value of inflation factor (3.05% for FY 2016-17 and 3.01% for FY 2017-18) as per Regulation and approved load growth for respective years. The terminal benefits (Contribution to Provident & other funds) are approved on actuals for FY 2016-17 and FY 2017-18.

5.78 The Commission, for conversion of connection load from kW to kVA, has considered the multiplying factor as 0.85.



Table 37: Normative Employee Expenses as approved by the Commission

Particulars	UoM	FY 2016-17	FY 2017-18
		Approved	Approved
Employee Cost of Previous Year	Rs. Crore	5.93	6.16
Connected Load of Previous Year	kVA	179505	181585
Employee Cost/kVA	Rs./kVA	330.40	340.46
Inflation Factor	%	3.05	3.01
Employee Cost/kVA including Inflation	Rs./kVA	340.46	350.70
Connected Load (kVA) for Current Year	kVA	181585	210539
Normative Employee Cost (Excluding Terminal Benefits)	Rs. Crore	6.18	7.38
Terminal Benefits	Rs. Crore	0.38	0.48
Net Normative Employee Expenses	Rs. Crore	6.56	7.87

- 5.79 The Commission has calculated the normative A&G Expenses based on the actual A&G expenses (A&G Expenses excluding petition filing fee and CGRF Expenses) for FY 2015-16 as per audited accounts, actual inflation rate as 3.05% for FY 2016-17 and 3.01% for FY 2017-18 respectively.
- 5.80 The petition filing fees and CGRF Expenses are considered on actual basis for the respective years as the same are non-escalable expenses.
- 5.81 For purpose of evaluating the normative R&M Expenses, the Commission has considered the approved opening value of Gross Fixed Asset for FY 2016-17 and FY 2017-18 respectively and the 'k' factor as 2.54% as approved in the MYT Order dated February 28, 2017.
- 5.82 The following table summarizes the normative O&M Expenses as approved by the Commission for FY 2016-17 and FY 2017-18.

Table 38: Normative O&M Expenses as approved by the Commission (Rs. Crore)

Particulars	FY 2016-17	FY 2017-18
	Approved	Approved
Employee Expenses (excluding Terminal Liabilities)	6.18	7.38
A&G Expenses (excluding filing & CGRF Expenses)	2.45	2.52
R&M Expenses	4.19	4.57
Normative O&M Expenses	12.82	14.48
Terminal Liabilities	0.38	0.48
Petition Filing Fee	0.26	0.15
CGRF Expenses (Rent & Remuneration)	0.10	0.22
Normative O&M Expenses including Terminal Liabilities, Filing Fee and CGRF Expenses	13.57	15.33

- 5.83 The table below depicts the O&M expenses claimed by the Petitioner and approved by the Commission including sharing of gain/(loss) for FY 2016-17 and FY 2017-18.

Table 39: Sharing of Gain/Loss on account of O&M Expenses as approved by the Commission (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18	
	Petition	Approved	Petition	Approved
Normative O&M Expenses	14.56	12.82*	16.94	14.48*
Actual O&M Expenses	14.72	13.98*	16.08	15.49*
Gain/(Loss)	(0.16)	(1.15)	0.86	(1.01)
Sharing of Gain/Loss	(0.16)	-	0.52	-
Expenses due to Change in Law/Terminal Liabilities, Filing Fee & CGRF Expenses	0.20#	0.75	0.16#	0.85
O&M Expenses Approved	14.76	13.57	16.75	15.33

*Excluding Terminal Liabilities, Petition Filing Fees and CGRF Expenses

#Only Change in Law/variation is considered

Non-Tariff Income

Petitioner's Submission

5.84 The Petitioner has claimed Rs. 0.31 Crore and Rs. 0.29 Crore towards Non-Tariff Income for FY 2016-17 and FY 2017-18 respectively. The Petitioner further submitted that Non-Tariff Income includes Income from Interest, Miscellaneous Charges, Delay Payment Surcharge, Meter Rent etc. and substantiated the Non-Tariff Income with the audit accounts submitted along with the petition.

Table 40: Non-Tariff Income as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18	
	APR	Petition	ARR	Petition
Non-Tariff Income	0.31	0.31	0.12	0.29

Commission's Analysis

5.85 The Commission has scrutinized the audited accounts and found the claim of the Petitioner in line with JSERC Distribution Tariff Regulations, 2015. Hence, the Commission approves the Non-Tariff Income as claimed by the Petitioner.

Table 41: Non-Tariff Income as approved by the Commission (Rs. Crore)

Particulars	FY 2016-17			FY 2017-18		
	APR	Petition	Approved	ARR	Petition	Approved
Non-Tariff Income	0.31	0.31	0.31	0.12	0.29	0.29

Revenue

Petitioner's Submission

5.86 The Petitioner submitted the revenue from sales of power as per audited accounts comprising Demand Charges, Energy Charges, revenue from FPPPA charge, Power



Factor Surcharge, Rebates etc. as Rs. 260.32 Crore and Rs. 317.91 Crore for FY 2016-17 and FY 2017-18 respectively.

Commission's Analysis

5.87 The Commission has scrutinized the audited accounts submitted by the Petitioner along with the petition. The Commission has approved the revenue from sale of power as Rs. 260.32 Crore (Note-11(d)) Rs. 317.91 Crore (Note-17A) of audited accounts for FY 2016-17 and FY 2017-18 respectively.

Table 42: Revenue as approved by the Commission for (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18	
	Petition	Approved	Petition	Approved
Revenue	260.32	260.32	317.91	317.91

Summary of Annual Revenue Requirement and Gap/(Surplus)

Petitioner's Submission

5.88 The Petitioner has projected surplus of Rs. 10.78 Crore and Rs. 14.61 Crore for FY 2016-17 and FY 2017-18 respectively based on audited figures and normative claims.

Commission's Analysis

5.89 The following table summarises the Annual Revenue Requirement (ARR) and Gap/(Surplus) for the FY 2016-17 and FY 2017-18 as submitted by the Petitioner vis-à-vis that approved by the Commission.

Table 43: Summary of ARR as approved by the Commission for (Rs. Crore)

Particulars	FY 2016-17			FY 2017-18		
	APR Order	Petition	Approved	ARR Order	Petition	Approved
Power Purchase Cost	213.22	213.43	213.14	225.43	261.41	262.64
O&M Expenses including sharing of Gain/Loss	13.31	14.76	13.57	13.75	16.75	15.33
Depreciation	6.96	6.19	6.32	7.15	6.66	6.47
Interest on Long Term Loan	4.56	4.68	4.67	3.91	4.41	4.15
Interest on Consumer Security Deposit	5.44	4.03	4.03	5.33	7.39	7.39
Interest on Working Capital Loan	-	-	-	-	-	-
Return on Equity	5.27	6.76	6.75	5.40	6.96	6.96
Total Expenses	248.76	249.85	248.48	260.97	303.58	302.94
Less: Non-Tariff Income	0.31	0.31	0.31	0.12	0.29	0.29
Annual Revenue Requirement	248.45	249.54	248.17	260.85	303.30	302.65
Revenue from Sales	-	260.32	260.32	-	317.91	317.91
Gap/(Surplus)	-	(10.78)	(12.15)	-	(14.61)	(15.26)



Revenue Gap/(Surplus)

Petitioner's Submission

- 5.90 The Petitioner has considered the revenue gap/(surplus) till FY 2015-16 as approved by the Commission in Tariff Order dated June 07, 2018 as base for the subsequent years. The carrying cost is assumed based on methodology adopted and approved by the Commission in previous Tariff Orders i.e. Interest equivalent to prevailing SBI Base rate as on April 01, plus 350 BP of the respective financial year.
- 5.91 Later, the Commission in its Review Order dated September 25, 2018 revised the O&M expenses for FY 2015-16 and subsequently the net loss for FY 2015-16 decreased from Rs. 0.94 Crore to Rs. 0.02 Crore.
- 5.92 Based on the above facts, the Petitioner has projected the revenue surplus of Rs. 0.38 Crore till FY 2017-18.

Commission's Analysis

- 5.93 In light of Commission Order dated June 07, 2018, the Commission has considered the opening balance for FY 2015-16 as Rs. 21.87 Crore. The surplus of Rs. (4.33) Crore for FY 2015-16 is considered as approved in the Commission's review Order dated September 25, 2018. Accordingly, the closing gap for FY 2015-16 works out to be Rs. 20.45 Crore which has been considered as Opening Gap for FY 2016-17.
- 5.94 As per MYT Distribution Regulations, 2015, the Petitioner is required to file the true up petition for FY 2016-17 latest by November 30, 2017 and true up for FY 2017-18 by November 30, 2018. The Commission observed that the Petitioner had failed to meet the timeline and has filed the petition for trueing up for FY 2016-17 and FY 2017-18 after the timelines mentioned in the regulation. Hence, the Commission has not considered the carrying cost on gap for the period where filing of petition is delayed.
- 5.95 Based on the approved value on True-up petition for FY 2016-17 and FY 2017-18, the cumulative revenue Gap/(Surplus) as approved by the Commission is shown below.

Table 44: Cumulative Gap/(Surplus) as approved by the Commission (Rs. Crore)

Particulars	FY 2015-16	FY 2016-17	FY 2017-18
Opening Revenue Gap/(Surplus) as on 1 st April of FY	21.87	20.45	7.52
Revenue Gap/ (Surplus) created during the year	(4.33)	(12.15)	(15.26)
Closing Gap at end of the Year	17.54	8.30	(7.73)
Rate of Interest	14.75%	12.80%	12.60%



Particulars	FY 2015-16	FY 2016-17	FY 2017-18
Carrying Cost on Opening Balance	3.23	-	-
Carrying Cost on Add. Gap Created during the Year	(0.32)	(0.78)	(0.96)
Gap including Carrying Cost	20.45	7.52	(8.70)

5.96 The mechanism to pass on the above mentioned surplus shall be dealt in detail in the Tariff Order for FY 2020-21.



A 6: STATUS OF EARLIER DIRECTIVES

- 6.1 The Commission has time and again issued various directives in order to improve the functioning of the Petitioner. The Commission noted with concern that the Petitioner had failed to comply with some of the directives of the Commission. The Commission directs the Petitioner to comply with the directives with utmost sincerity failing which penal action may be taken.

Directives	Status	Views of the Commission
Direction as per Tariff Order 2011-12		
Separate Accounts		
The Commission directed the Petitioner to comply with the applicable provisions of JSERC (Power Regulatory Accounting) Regulations, 2015 and submit accounting manual in next tariff petition failing which the Commission may take an adverse view.	The Petitioner had submitted the Power Accounting Manual along with the petition.	The Commission noted the compliance of the Petitioner.
Expansion of Network and Service Area		
The Commission directed the Petitioner to make all out efforts to expand its network and service area and ensure that the schemes proposed by the Petitioner for the same in its Business Plan Petition for the 2 nd MYT Control Period are implemented expeditiously and efficiently. The Petitioner is directed to submit quarterly reports to the Commission regarding the progress in this front.	The Petitioner submitted that they are making all efforts to expand its network and service area. The same can be accessed from the details of capital expenditure being incurred by the licensee. The Petitioner further added that they would continue its efforts of network expansion in rural area and connect more rural consumers to its network.	The Commission noted the submission of the Petitioner and directs the Petitioner to further expand its network to reach all the consumers in its licensee area.
Direction as per Tariff Order 2012-13		
Employee Strength of the Petitioner		
The Petitioner is directed to submit the details of productivity/consumer per	The Petitioner submitted the comparison of O&M expenses/Unit of different Utilities along with the	The Commission noted the compliance of the Petitioner.



Directives	Status	Views of the Commission
<p>employee for Distribution Business of other similarly placed utilities along with the next petition on the request of the Petitioner failing which penal action may be initiated.</p>	<p>petition.</p>	
<p>Power Procurement from different Sources</p>		
<p>The Commission directed the Petitioner to continue exploring cheaper power options and submit report on same to the Commission along with next tariff petition.</p> <p>The Petitioner should continue exploring cheaper power through open access via DVC and update the Commission regarding the progress within 3 months of issuance of this Order.</p> <p>The Commission further directed the Petitioner to undertake a detailed demand forecasting exercise for short term, medium term as well as long term based on which it should devise a power procurement strategy with higher focus on managing short term procurement of power through various avenues and optimising costs for procurement other than long term sources.</p>	<p>The Petitioner submitted that discussion is going on with an expert agency for conducting the study, with broad Scope of Work such as end use survey for JUSCO, past trends, analysis for Macro factors etc.</p> <p>The budgetary offer submitted by the agency is around Rs. 30 Lakh plus GST, which is much above the planned existing O&M costs. It is therefore submitted that the Commission may please approve this onetime costs over and above the existing O&M costs to undertake such study for the next control period.</p> <p>Once approved Licensee may invite competitive bids to undertake such study.</p>	<p>The Commission observed delay in complying with the directive of the Commission.</p> <p>The Commission directs the Petitioner to submit proper petition before the Commission for approval.</p>
<p>Directives in MYT Order dated February 28, 2017</p>		
<p>Quality of Supply and Services</p>		
<p>The Commission directed the Petitioner to continue submitting monthly report on Reliability Indices in MS-Excel format along with</p>	<p>The Petitioner complied with the directive and had submitted the monthly reports before the Commission.</p>	<p>The Commission noted the compliance of the Petitioner and directs it to continue submitting the same.</p>



Directives	Status	Views of the Commission
compliance to SOPs in true spirit, in course of achieving 24*7 quality and reliable power.		
Directives in Tariff Order dated June 07, 2018		
Quality of power/ Reliability Indices and Standard of Performance (SOP)		
The Commission directed the Petitioner to continue submitting monthly report on Reliability Indices in MS-Excel format along with compliance to SOPs in true spirit, in course of achieving 24x7 quality & reliable power.	The Petitioner complied with the directive and submitted the monthly reports before the Commission.	The Commission noted the compliance of the Petitioner and directs it to continue submitting the same.
Impact assessment study for switching from kWh billing to kVAh billing		
The Commission directed the Petitioner to carry out impact assessment study on transition from kWh billing to kVAh billing, for a sample set of consumers in the HTIS category and submit a report within six months of issuance of this Order.	The Petitioner submitted the compliance to the directive along with the petition.	The Commission noted the compliance of the Petitioner.
Report on Demand Side Measures		
The Commission had approved expenditure for implementation of Demand Side Measures (DSM) as proposed by the Petitioner. However, the Petitioner has failed to submit any progress report in this regard. The Commission directed the Petitioner to submit a progress report in this regard within three months of issuance of this Order.	The Petitioner submitted that they have appointed external agency to conduct the DSM initiative and had also approached the Commission for approval of the DSM action plan. However due to some internal problems of the expert agency work for development of program document is getting delayed beyond the reasonable estimate and likely to submit the initiative wise detailed plan. In case the report is not received in next 3-4 months, the Petitioner would look for alternative solution including appointing other agency to reframe the DSM plan.	The Commission directs the Petitioner to submit the status within three months of issuance of this Order.



Directives	Status	Views of the Commission
Wheeling Tariff		
<p>The Commission directed the Petitioner to propose capacity-based wheeling tariff and specify the voltage-wise distribution losses as per clause 7.9 of the JSERC MYT Regulations, 2015.</p>	<p>The Petitioner has projected the voltage wise losses as follows: 33kV ~ 1- 2% 11kV ~ 1- 2 % LT~ 6 to 7%</p> <p>The Petitioner further submitted that in absence of the methodology and clear understanding of the capacity based wheeling charges, the Petitioner is not in a position to propose the same and requested the Commission to issue the methodology for such computation.</p>	<p>The Commission noted the compliance of the Petitioner.</p> <p>The Commission directs the Petitioner to study the best practices followed by other Distribution Utilities while calculating the voltage wise wheeling charge and propose the mechanism for Commission's approval.</p>
Consolidated Tariff Petition for FY 2018-19 and FY 2019-20		
<p>The Commission directed the Petitioner to file a consolidated Petition for determination of ARR and Tariff for FY 2018-19 and FY 2019-20 along with the True-up of FY 2016-17 and FY 2017-18, within the timelines stipulated in the Tariff Regulations, viz. November 30, 2018.</p>	<p>The Petitioner submitted that they have filed the required petition. However, they have requested the Commission to pardon the delay and assure that the future petition will be filed before the Commission timely as per regulation.</p>	<p>The Commission has noted the compliance of the Petitioner.</p> <p>The Commission also directs the Petitioner to ensure timely filing of the petition in the future.</p>
Strengthening/ Increasing effectiveness of Consumer Grievance Redressal Mechanism		
<p>The Commission directed the Petitioner to strengthen and increase effectiveness of its consumer grievance handling mechanism and submit a report to the Commission along with the next Tariff Petition indicating- total number of complaints received, nature of complaint, complaints resolved, average resolution time, complaints pending etc.</p>	<p>The Petitioner submitted that they took utmost care to ensure that all needs of the customer are taken care of and that none of the needs and complaints converts into a Grievance. In compliance to the direction of Commission, several steps including relocating the CGRF, increasing staff had been carried out. The details of the total number of complaints received, nature of complaint, complaints resolved, average resolution time, complaints pending etc. is being enclosed along with petition.</p>	<p>The Commission noted the compliance of the Petitioner and directs the Petitioner to continue submitting the same.</p>



Directives	Status	Views of the Commission
Bank Guarantee for Security Deposit above Rs 10 lakh		
The Commission directed the Petitioner to strictly comply with Clause 8.2.20 of the JSERC (Supply Code) Regulations, 2015 for all the existing as well as new Consumers.	The Petitioner submitted that they will comply with the Commission's directive in true spirit and also detailed the amount received from consumer in the form of Bank Guarantee.	The Commission noted the compliance of the Petitioner.
Investment in Cyber Security solutions		
The Commission may carry out prudence check while allowing such investment in Annual Revenue Requirement.	The Petitioner submitted the proposal for investment related to cyber security solutions and will approach the Commission for such investment approval after internal testing is done.	The Commission noted the compliance of the Petitioner.
Power Regulatory Accounts		
The Commission directed the Petitioner to submit Regulatory Accounts in compliance to JSERC Power Regulatory Accounting Regulations, 2016	The Petitioner submitted that the petition is being filed considering the compliance of JSERC Power Regulatory Accounts 2016. Audited Accounts have also been made as per this regulation.	The Commission noted the compliance of the Petitioner.



A 7: DIRECTIVES

7.1 In addition to the compliance of existing directives as mentioned in the status of earlier directives, the Commission directs the Petitioner to comply with the following new directives.

Expansion of service area

7.2 The Commission directs the Petitioner to make all out efforts to expand its service area for reaching rural consumers in its complete licensee area.

Expansion of Distribution Infrastructure

7.3 The Commission directs the Petitioner to take steps to connect to upstream transmission network to improve its grid connectivity. Such interlinking will increase the reliability of the Petitioner, access to other power sources available in the open market within and outside the State and also help in optimizing its power procurement cost..

Compliance of Safety Regulations

7.4 As per JSERC (Compensation to Victims of Electrical Accidents) Regulations, 2018, the Licensees are required to submit the details of the electrical accidents occurring within their respective Licence area to the State Commission by 15th of every succeeding month. However, the Commission observed that even after repetitive reminders, the Petitioner has failed to comply with the above said regulation. The Commission directs the Petitioner to ensure the compliance of the regulations failing which appropriate action shall be taken under the provisions of the above Regulation.

This Order is signed and issued by the Jharkhand State Electricity Regulatory Commission on June 19, 2020.

Date: 19.06.2020

Place: Ranchi

Sd/-
(P. K. Singh)
MEMBER (Legal)

Sd/-
(R. N. Singh)
MEMBER (Engg.)



ANNEXURES

Annexure-1: List of participating members of public in the public hearing

Sr. No.	Name	Address/Organization
Auditorium of Adityapur Auto Cluster, Jamshedpur		Date & Time: January 16, 2020, 2:30 PM
1	Rakesh Kumar	Sonari
2	Ashlam	Sastrinagar, Sonai
3	Dipak	Sastrinagar, Sonai
4	N. Leena	Sonari/JUSCO
5	Pavitra Sahis	Sonari
6	Jewel Sen	Kadma/JUSCO
7	Jeetu Soy	Golmuri
8	P. N. Jha	JUSCO Service
9	Kunal Kasyap	JUSCO
10	Vijender	JUSCO
11	Vivek Singh	JUSCO
12	Rahul Singh	JUSCO
13	Sukanya Das	Tata Steel Utilities & Infrastructure service Ltd.
14	Jata Shankar Jha	Adityapur - I
15	Neeraj Kumar	Adityapur - II
16	Cap. Dhananjay	Sr. GM, JUSCO
17	Suraj Kumar Sharma	Manager, PSD, JUSCO
18	Subhender K. Mohanta	Sr. Mgr. PSD, JUSCO
19	Rahat Hussain	Kaman Centre 130
20	Tushar Raj	Kadma, Jamshedpur
21	B. S. Mangalmurti	Adityapur
22	Bishwajeet Kumar	Tata Steel, Jamshedpur
23	Subodh Jha	Adityapur - 2
24	Manish Kumar	JUSCO
25	Ritesh Gupta	JUSCO
26	Sunil Kumar	Financial Analyst Power Service Division
27	Nilesh Kumar Jha	Adityapur
28	Tarun Daga	Md. JUSCO
29	A. N. Choudhary	PSD, JUSCO
30	Dr. Madhurima Pratihar	JUSCO, CSR
31	Inder Agarwal	Sudisa Foundry President ASIA
32	Chandra Bhushan Singh	Shiv Shakti Enterprises
33	Jatin Dungal	Alealala P Ltd.
34	Rajesh Ray	Seraikela town
35	Rupa Singh	Seraikela
36	Vijay Praksh Singh	JUSCO
37	Vikash Kumar	Jusco office



Sr. No.	Name	Address/Organization
38	A P Singh	Sr. DGM, JUSCO
39	Dashrath Upadhay	Hiranya Udyog
40	Suresh Kumar	Jusco office
41	Pranay Sinha	JUSCO
42	Aman Chodha	JUSCO
43	Magan Kumar Mishra	JUSCO
44	Noor Mohammad	At. Muria, Dist. - Seraikela
45	Muzaffarul Islam	At Muria, Seraikela
46	Binay Thakur	Kalpanpuri
47	Mritunjay Kumar	JUSCO
48	Praveen Gutgia	Reliance Fabrications P. Ltd., C-25, 26, 1st Phase
49	Manmohan Singh	JUSCO
50	Ashish aarawaz	Kalimati Products Pvt. Ltd., Gamharia
51	Nilesh Sheth	MVS Transmission, C-78, 2nd Phase
52	S. K. Monsub	139-KF-4, B.H. Area, Dhatkidih
53	Pravin Kumar	JUSCO
54	M. K. Panda	JUSCO
55	Rishav Kumar	JUSCO
56	Ranbir Mullick	JUSCO
57	Anup Mishra	D. D. News
58	M Gauri Shankar Dev	JUSCO
59	Rahul Kumar	JUSCO
60	Suman Mandal	JUSCO
61	Mani Pandey	JUSCO
62	Mr. Rajesh Kumar Singh	1198 N. Beside Reliance Petol Pump, Adityapur
63	Mr. S. N. Banerjee	JUSCO PSD
64	Mr. Chinmayananda	JUSCO, PSD, Adityapur
65	Mr. Nirmal Karmakar	JUSCO, PSD
66	Mr. Sunil Tripathy	Uprate Auto
67	Kiran Kumar	Billing & CR, JUSCO
68	Santosh Khetan	Khetan Udyog Adityapur
69	Nirmal Prasad	Dainik Jagran
70	Dibyanshu Sinha	Nalin Rubbe (P) Ltd
71	Mahesh Sonthalia	SCCI
72	Nitesh Dhoot	SCCI
73	H/o Pritpal Kaur	Bhamrah Niwas , Dhiraj Ganj
74	Rajeev Ranjan	Rajeev Associates, C-42, Iind Phase, Ind. Area
75	Ajit Kumar Bhagat	Vill - Baramari, P.O. - Baramari
76	P M Raw	Kalpanapuri
77	Sunil Singh	Kalpanapuri
78	Pran Tudu	Champa Naga
79	Loknath Singh Mahto	Baramari



Sr. No.	Name	Address/Organization
80	Dhiran Mahto	Upperbera
81	Parmeshwar Majhi	Bada Baramari
82	Pramod Rathore	JUSCO
83	Ashok Kamath	M/s Samrath Engg. Co. Pvt. Ltd., Adityapur
84	A. K. Tripathy	Adityapur
85	M. A. Singh	Adityapur
86	Jagdish Singh	Reyat Niwas, Behind Utkal Auto Mobiles
87	Devan Ganbh	Gamharia, Jamshedpur
88	Barun Mandal	Mohanpur, Gamharia
89	E.P. Satyanarayan	Mohanpur, Gamharia
90	Sourav Wamta	Kalimai I Products Pvt. Ltd.
91	Aakash Sharma	Kalimai I Products Pvt. Ltd.
92	Shekhar	FTE
93	Sachin	ETV News
94	S. N. Thakur	Jharkhand Grindar Pvt.
95	Babita Choudhary	Kadma
96	S. K. Mehta	Dainik Bhaskar
97	Priya Ranjan	Prabhat Khabar
98	Dipak	Prabhat Khabar
99	N. Balaja	Baridih
100	Y. Prasad	Adityapur
101	S Sinih	Sandha Tubes
102	S. K. Singh	Adityapur, Bistupur
103	Sant Prakash	Adityapur, Phase I
104	Ravi Shankar	Kalpanapuri
105	Sudhir Singh	Sail City
106	Ajit Kumar Aiju	New Ispat Mail
107	Harendra	Uditvani
108	Chandan Kumar	Dainik Jagran
109	R. K. Steel Co. (P) Ltd.	III Phase
110	Lalit bahadur	PSD
111	Sanatan	PSD
112	Shashi Karf	Kalpnapur
113	A. K. shandilya	Sihasar
114	Rajesh Kumar Singh	Kalpanapuri
115	Dev Kumar	Sonari
116	Sujeet Kumar	Sonari
117	D. Prasad Singh	Adityapur
118	Gopal Jha	Adityapur