



**ORDER
OF THE
WEST BENGAL ELECTRICITY REGULATORY COMMISSION**

FOR THE YEAR 2018 – 19 AND 2019 – 20

IN

CASE NO: TP – 78 / 18 - 19

**IN REGARD TO THE TARIFF APPLICATION OF
INDIA POWER CORPORATION LIMITED FOR THE YEAR
2018 – 19 AND 2019 - 20 COVERING SIXTH CONTROL
PERIOD UNDER SECTION 64(3)(a)
READ WITH SECTION 62(1) AND SECTION 62(3)
OF THE ELECTRICITY ACT, 2003**

DATE: 09.07.2021

Certified true Copy





सत्यमेव जयते



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

CHAPTER – 1 INTRODUCTION

- 1.1 The West Bengal Electricity Regulatory Commission (hereinafter referred to as the "Commission"), a statutory body under the first proviso to section 82(1) of the Electricity Act, 2003 (hereinafter referred to as the "Act"), has been authorized in terms of section 86 and section 62(1) of the Act to determine the tariff for (a) supply of electricity by a generating company to a distribution licensee, (b) transmission of electricity, (c) wheeling of electricity and (d) retail sale of electricity, as the case may be, within the State of West Bengal.
- 1.2 In terms of definition contained in regulation 1.2.1 (xxx) of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011, as amended from time to time (hereinafter referred to as the 'Tariff Regulations'), each control period after third control period shall be normally for a period of five ensuing years or such other period of number of ensuing years as may be decided by the Commission from time to time. The Commission vide order dated 06.09.2017 in Case no. SM-18/17-18 decided that the sixth control period shall be for two ensuing years consisting of 2018 – 19 and 2019 – 20. The Commission, considering the request of different utilities of the State, extended the date of filing of tariff petitions several times and finally directed to submit the tariff petition within 31.07.2019.
- 1.3 IPCL submitted the application for determination of tariff for the sixth control period consisting of the years 2018–19 and 2019 – 20, on 31.08.2018 which was scrutinized with reference to requirements of tariff regulations. The deficiencies observed in the application were communicated to IPCL and were fulfilled by them through subsequent supplementary applications dated 25.09.2019, 11.06.2020 and 27.07.2020. The tariff application along with the information / data, documents submitted through supplementary applications as per Tariff Regulations (collectively termed as "tariff application") were admitted to the Commission and was numbered as TP-78/18-19. The admission of the tariff application of IPCL is, however, subject



Control No. 80/19



सत्यमेव जयते



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

to any order passed by the Hon'ble Division Bench in the Hon'ble High Court at Calcutta in MAT 1643 of 2015.

- 1.4 IPCL was, thereafter directed to publish, as required under section 64(2) of the Act, the gist of the tariff application, as approved by the Commission, in the website and newspapers, as specified in the Tariff Regulations. Accordingly, the gist was published on 29.09.2020 in 'Ananda Bazar Patrika', 'The Telegraph', 'Aajkal' and 'Sanmarg' simultaneously. The publications invited attention of all interested parties, stakeholders and members of the public to the application for determination of tariff of IPCL for the sixth control period and requested for submission of suggestions, objections and comments etc., if any, on the tariff application, to the Commission by 16.10.2020. Opportunities were also extended to all to inspect the tariff application and take copies thereof.
- 1.5 However, no objection / suggestion / comment has been received within the due date, i.e., 16.10.2020.

Carried Over





सत्यमेव जयते



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

CHAPTER – 2 THE SUBMISSION OF IPCL

- 2.1 IPCL has submitted the application for determination of Annual Revenue Requirement (ARR) and tariff for the sixth control period, covering the years 2018 – 19 and 2019 – 20, in accordance with the Tariff Regulations. IPCL has projected the ARR quantum and tariff for 2018 – 19 and 2019 – 20 and has prayed for allowing the same. IPCL has also prayed for other dispensations which are mentioned in subsequent paragraphs.
- 2.2 IPCL (formerly known as DPSC), is a deemed licensee for distribution of electricity in the State of West Bengal. The licensed area of the licensee stretches over 618 sq. km in the Asansol - Raniganj belt.
- 2.3 IPCL's distribution network, as stated, is catering to all types of consumers – domestic, commercial, railways, public institutions, hospitals, industrial consumers and BPL consumer clusters. In the current instance, IPCL is supplying power to around 33% of all new apartment complexes, 15% of hotels & hospitals and 10% of educational institutions present in their licensed area.
- 2.4 It is submitted that in the last three years, IPCL has increased the number of Distribution Transformers (DT) by almost 10.00 times (from 15 no. in FY 2013-14 to 141 no. in FY 2017-18), DT installed capacity has been increased by 4.00 times (from 4.5 MVA in FY 2013 - 14 to 17.48 MVA in FY 2017–18) and LT connected load has been increased by almost 50.00 times (from 0.3 MVA in FY 2013 - 14 to 15.07 MVA in FY 2017–18). While total connected load has declined by 54% (due to exit of various ECL consumers), LT connected load in IPCL system has increased 50 times. IPCL also expects that with infrastructural development at Debipur and adjoining areas and the area in and around Andal/ BAPL/ Patswara/ Kajora, around 25.5 MVA of load will be added in its LT distribution system. IPCL is optimistic of adding 9 MU to LT sales in the later part of 2019-20.





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

- 2.5 IPCL has estimated energy consumption of existing consumers based on CAGR trends during past years along with modifications considering prospective consumers. IPCL claimed that, estimation of energy consumption of prospective consumers has been worked out based on their applications/survey/mutual discussion and their likely energization schedule along with impact of LT expansion works, shifting of consumers in the parallel licensee area and proposed traction loads. IPCL has projected total sale to L&MV and HV&EHV consumers as 1000.35 MU and 1350.56 MU for the years 2018 – 19 and 2019 – 20 respectively.
- 2.6 IPCL's own generating station at Dishergarh of capacity 12.2 MW has been de-commissioned on 24.11.2012 and has been replaced by a new 1 X 12 MW power plant. The 30 MW plant of IPCL at Chinakuri remain in-operative as the lease agreement was not extended by ECL beyond 31.03.2012.
- 2.7 In spite of order dated 14.02.2013 from the Ministry of Coal, IPCL could not get coal linkage and the matter is sub-judice before the Hon'ble Calcutta High Court in Writ Petition no. 35231(W) of 2013. Thus, IPCL relies on a mixture of e-auction coal along with washery rejects from nearby coal washeries for its operation. IPCL prays before the Commission to allow pass through of such fuel price in power tariff for such e-auction coal and washery rejects as per National Tariff Policy. The Petitioner has computed the coal cost for the ensuing year at current level of prices with a projected escalation of 10% on year-to-year basis during the control period.
- 2.8 IPCL receives power at its receiving stations from DVC and WBSEDCL apart from its own power station. After commissioning of the J K Nagar 220 KV substation at J K Nagar on 11.12.2015, IPCL is connected to the national grid and by virtue of this connectivity, it has got accessibility to national power market & power exchanges. It has also started procuring power on short term basis from exchanges/traders and through national e-bidding portal through tariff-based bidding process.
- 2.8.1 For the year 2018–19 and 2019 – 20, IPCL proposes to procure power primarily (about 50% and 85% respectively) through medium term power purchase initiatives





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

through competitive bidding at an expected lesser price and the rest from its own generation (12 MW) at Dishergarh, DVC, WBSEDCL and short-term market / power exchanges.

- 2.8.2 IPCL has projected total power purchase cost of Rs. 43542.56 lakh and Rs. 61508.21 lakh for the years 2018 – 19 and 2019 – 20 respectively based on the assumption and the load projected to cater. Subsequently, vide their letter dated 11.06.2020, the power purchase cost is revised to Rs. 44592.13 lakh and Rs. 62056.61 lakh. It is further stated that, the power purchase cost as projected is subject to change, depending on the generation actually achieved at the own generating station of the Petitioner on the basis of coal received and actual availability of solar power. IPCL also prayed to allow distribution loss of 7% during the sixth control period in view of expansion in LT network.
- 2.9 O&M expenses include Repair & Maintenance expenses and Administrative and General Expenses in line with the Tariff Regulations. For its 12 MW Dishergarh(new) Power Station, petitioner has considered 6% increase over FY 2016-17 norms to arrive at normative O&M expense for FY 2017-18. Similarly, it has been escalated by 6% year on year for the years 2018 – 19 and 2019 – 20. Regarding distribution function, IPCL has projected O&M expenses for Dishergarh and Seebpore distribution area considering actual expense incurred during the year 2017 – 18 and the inflationary trends vis-à-vis their projected network growth.
- 2.10 IPCL has projected an increase of 25% in salary and wages per annum over the estimate for 2017 – 18 to account for the increment of existing employees as well as increase in manpower, who will be employed as a result of business expansion and to handle increased consumer base. Bonus to employees have been projected to increase by the same percentage on a year to year basis over that incurred in 2017–2018, in tandem with the increase in salaries and wages.



Certified true Copy



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

- 2.11 The Water Charges have been considered as Rs. 0.75 lakh in each of the years for the sixth control period for DPS as per the projected generation. It is submitted that such expenses are uncontrollable in nature.
- 2.12 In view of the projected generation in the years 2018–19 and 2019 – 20 and to cover anticipated increase in costs in future years for transport of ash, it has been assumed that Coal and Ash Handling Charges will increase by 10% over the estimated rate of expenditure in FY 2017–18.
- 2.13 For its 12 MW Dishergarh new unit, IPCL has calculated Return on Equity (ROE), Interest on Loan and depreciation for FY 2018–19 and 2019 – 20 based on the final project cost of Rs. 8867.84 lakh, subject to approval of the Commission.
- 2.14 For its distribution function, IPCL also proposes a CAPEX of Rs.15000 lakh and Rs. 25000 lakh for the years 2018 – 19 and 2019 – 20 under the sixth control period to cater the load growth, improve the system reliability and online monitoring for fault detection & restoration within the time specified in the regulations. IPCL has proposed a normative debt equity ratio of 70:30.
- 2.15 IPCL submitted that the depreciation on the asset of J K Nagar 220 KV substation is admissible from the date of commercial operation, i.e., 11.12.2015. As per the letter of the Commission dated 05.01.2016, recovery of depreciation, return on equity and interest on loan for creation of transmission assets handing over to WBSETCL shall be allowed to DPSC. Accordingly, the licensee has calculated the depreciation, return on equity and interest on loan (calculated on the normative basis of 70:30) for financial year 2018–2019 and 2019 – 2020.

However, the status of the same has been changed vide order of the Commission dated 23.12.2020 in Case No. WBERC/OA-57/ 2009 -10, where the Commission has directed to re-imburse the capital cost of transmission line portion to IPCL. The matter has been dealt with suitably in chapter 4 of this order.



Certified true Copy



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

- 2.16 IPCL, in their petition has submitted compliance report on the directives given by the Commission in the previous tariff orders.
- 2.17 IPCL has stated that the instant application has been prepared for determination of tariff for the control period comprising the years 2018 – 2019 and 2019 – 2020 as per Tariff Regulations. Actual figures are based on audited accounts for the year 2016 – 2017 and 2017 -18 and inputs from the site office regarding enquiries from intending consumers and new construction in their licensed area.
- 2.18 It has been further stated that the overall performance parameters proposed by IPCL over the control period for existing generating unit and the annual revenue requirement is projected on the basis of methodologies discussed in detail in their application.
- 2.19 The Net ARR for 2018 – 2019 and 2019 – 2020 has been projected as Rs. 63457.36 lakh and Rs. 86787.55 lakh respectively in Form E(B) with proposed average cost of supply of 634.35 paisa/kWh and 642.60 paise/kWh respectively. However, it is noted that there are several mismatches in the detail Forms than the figures mentioned in Form E(B), which are dealt with suitably in the subsequent chapters. It is pertinent to mention here that the Commission has allowed an average tariff of 538.02 paisa/kWh for FY 2017–2018.

Certified true Copy





CHAPTER – 3 SALES, ENERGY BALANCE AND VARIABLE COST

3.1 IPCL is supplying electricity in its licensed area of supply in the Asansol – Raniganj industrial belt. The consumer base is mainly industrial. IPCL has proposed to source power from WBSEDCL, DVC, through DEEP portal under competitive bidding route and rest from its own generating station at Dishergarh for the years 2018 – 2019 and 2019 – 2020. IPCL has also proposed to purchase some quantum of renewable power from the West Bengal Green Energy Development Corporation Limited (in short 'WBGEDCL'). The energy balance of IPCL, thus, depends on its future sales, estimated distribution loss and in-house consumption at its offices and sub-stations.

3.2 Demand Side of Energy:

3.2.1 IPCL in their petition submitted that, they have projected the demand and sales figures for the years 2018 -19 & 2019-20 based on the following principles:

- (a) Analysing season-wise and month-wise variations from 2013-14 to 2017-18 for each consumer category;
- (b) Expected growth of LT consumers based on their LT expansion plan and rapid urbanization in their licensed area vis-à-vis the economic policy of the Government;
- (c) Relative factors of multiple licensed area as below:
 - Existing consumers in 2017-18 who are connected to IPCL and are likely to continue to take supply for IPCL in 2018 -19 & 2019 -20;
 - Existing consumers in 2017 -18 who are connected to IPCL but are likely to migrate to other parallel licensee during 2018-19 & 2019-20;
 - Prospective consumers who have expressed their willingness to take supply from IPCL in 2018 -19 & 2019 -20 and are yet to connect to any of the parallel licensee in the common area of supply;





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

- Prospective consumers who are existing consumers of other parallel licensee but are likely to switchover to IPCL during 2018 -19 & 2019 -20;

3.2.2 IPCL has accordingly projected sales of 1000.35 MU and 1350.56 MU during the years 2018–19 and 2019 – 20 respectively. Break-up of actual L & MV and HV & EHV sales in 2017-18 and projections for 2018 -19 and 2019 -20 are as below:

SL No	Consumer categories	Unit	2017-18	2018-19	2019-20
			Actual	Projected	Projected
1	L & MV consumers	MU	8.63	24.95	49.68
2	HV & EHV consumers	MU	696.52	975.40	1300.88
	Total sales	MU	705.15	1000.35	1350.56

3.2.3 From detailed analysis of the actual category-wise sales during 2017 -18 vis-à-vis sales projected in 2018 -19 and 2019-20 the following issues have been observed:

(a) Total LV&MV sales is about only 2.49% and 3.68% of their overall sales projection during the years 2018 -19 and 2019 - 20 respectively. IPCL submitted that, they have undertaken LT expansion during previous years and have projected annual sales growth of 189% and 99% in LV& MV category for the years 2018 -19 and 2019-20 respectively from the previous years based on their expansion work and rapid urbanization in their licensed area. Considering the submission of IPCL, their projected sales for 2018-19 and 2019-20 is admitted. However, it is noted that LT sale is still very low in comparison to their overall projected sales. IPCL is directed to take further initiatives to extend LT supply facility to all consumers in its supply area.

(b) In HV and EHV category IPCL has projected a growth of 40% and 33% for the years 2018 -19 and 2019 -20 respectively with 33% and 36% growth for industrial consumers during the respective years. It is also noted that overall Year-to-Year growth of industrial HV & EHV consumers during 2017 -18 was





सत्यमेव जयते



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

only 4%. Thus, the commission observes that IPCL has made an aggressive sales projection in HV & EHV consumer category and finds it suitable to re-estimate the sales projection considering the followings points:

- i) For HT Industrial, IPCL has proposed 59% and 10% growth rate for Industrial below 33 kV category in 2018 – 19 and 2019 – 20 respectively. For Industrial 33 kV and above, IPCL proposed 5% and 77% growth rate in 2018 – 19 and 2019 – 20 respectively. However, IPCL has not specified any reason for such projections.

Now, from the previous years actuals, it has been observed that the CAGR for the last five years in Industrial below 33 kV category is -19% and in 33 kV and above category the CAGR for the last five years is 112%. Under these circumstances, the Commission finds it prudent to combine the HT Industrial sales below and above 33 kV category together to have a realistic projection. It is observed that the HT Industrial growth rate in base year i.e. 2017 – 18 is 4.42%. Accordingly, the Commission decides to allow a growth rate of 4.42% for each of the years of 2018 -19 and 2019 -20.

- ii) For HT commercial, IPCL has estimated a growth rate of 77% and 10% respectively for the years 2018 -19 and 2019 -20 without showing any specific reason. Sales in this segment shows CAGR of -3.5% for the last 5 years, though growth rate in base year i.e. 2017 – 18 was 0.60%. Thus, the Commission decides to allow a growth rate of 0.60% for each of the years of 2018 -19 and 2019 -20.
- iii) For rest of the categories including traction, sales projected by IPCL have been considered.



Certified true Copy



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

3.2.4 The admitted sales volume for 2018 -19 and 2019 -20 with the above considerations come as below:

SL No	Consumer categories	Unit	2018-19	2019-20
			Admitted	Admitted
1	L & MV consumers	MU	24.95	49.68
2	HV & EHV consumers	MU	767.26	813.77
	Total sales	MU	792.21	863.45

The detailed category-wise admitted sale to consumer during 2018- 19 and 2019 – 20 is specified in Annexure-3A.

3.2.5 No sale to other licensee has been projected by IPCL during the 6th control period.

3.3 Own consumption:

3.3.1 IPCL has claimed 2.92 MU and 3.00 MU as own consumption in its sub-stations, etc. including power utilized for construction for the years 2018 – 19 and 2019 – 20 respectively. During 2017 -18 actual consumption by IPCL is shown as 2.36 MU. Considering the LT expansion by the petitioner, the Commission admits its own consumption at a level of 2.92 MU and 3.00 MU for the years 2018–19 and 2019 – 20 respectively.

3.4 Distribution Loss:

3.4.1 IPCL in their petition has projected distribution loss as 7.00% for both the years 2018–19 and 2019 – 20 considering their projected expansion of LT network against the normative distribution loss of 5.25% allowed in the Tariff Regulations. However, the actual distribution loss during the year 2017 -18 was only 3.19%. For the purpose of Tariff determination, the Commission finds it suitable to consider the normative distribution loss at the rate of 5.25% for the years 2018 – 19 and 2019 – 20. Any variation from the normative loss will be considered during the Fuel and Power





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Purchase Cost Adjustemnt (FPPCA) for the respective years in terms of the provisions of Tariff Regulations.

3.5 Demand Side Energy Requirement:

3.5.1 Based on the analyses as done in the foregoing paragraphs, the total energy requirement by IPCL for the year 2018–19 and 2019 – 20, thus, comes as under:

Demand Side Energy Requirement				
Sl. No.	Particular	Unit	As Admitted	
			2018 – 19	2019 – 20
1	Energy sale to consumers	MU	792.21	863.45
2	Energy for own consumption	MU	2.92	3.00
3	Energy sale to other licensee	MU	0.00	0.00
4	Sub-total sale of energy (1 + 2 + 3)	MU	795.13	866.45
5	Distribution loss rate	%	5.25%	5.25%
6	Distribution Loss	MU	44.06	48.01
7	Total Requirement at Distribution System (4 + 6)	MU	839.19	914.46

3.6 Supply Side of Energy including Fuel Cost and Power Purchase Cost:

The Commission is now to take up for examination of the supply side of energy, i.e., (i) sent-out energy from the own generating stations of IPCL and (ii) purchase from other sources:

3.6.1 Sent out Energy from own Generating Stations:

IPCL in their application has stated that new unit of 12 MW capacity at Dishergarh shall be the sole generating station during the years 2018 – 19 and 2019 – 20. IPCL, in their petition has projected to run the plant at normative PAF of 85% and normative PLF of 80% during the years 2018-19 and 2019-20 respectively. However, IPCL has proposed auxiliary power consumption level of 10.55% in place of normative auxiliary





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

power consumption of 10.00%. The Commission, considering normative PLF (80%) and normative auxiliary power consumption (10.00%), admits the Gross-generation as 84.10 MU and sent-out generation as 75.69 MU at Dishergarh (new plant) during 2018 – 19 and 2019 – 20 for the purpose of determination of ARR.

3.6.2 Fuel Cost:

3.6.2.1 IPCL has submitted that in their thermal power station at Dishergarh, no secondary fuel, i.e., oil, is required and hence, the fuel cost of IPCL is the cost of coal only. IPCL in their submission for MYT under sixth control period has highlighted, inter alia, the following factors which have been considered by them for determination of fuel cost:

- (i) Station heat rate of 3400 Kcal/kWh as per report of the National Productivity Council;
- (ii) Heat value of coal as 3000 Kcal/kg;
- (iii) Computed cost of coal on the basis of weighted average price of coal and washery rejects as received during the year 2017 -18 applying annual escalation of 10% on year to year basis for the years under the control period.

IPCL has submitted that despite several representation to the Ministry of Coal, Government of India, for coal linkage, duly supported by the recommendation of the Central Electricity Authority and the investment approval by the Commission, IPCL has not been able to obtain necessary coal linkage for their Dishergarh new 12 MW power station. IPCL has filed a writ petition at the Calcutta High Court for directing Coal India Limited to sign FSA with them and they are expecting a favorable order. Under the circumstances, IPCL has assumed that full quantity of coal for generation at 80% Plant Load Factor shall have to be made available through e-auction. In absence of prior indication of likely price at which coal of required grade may be available in the e-auction, IPCL proposed to consider current level of coal price with an annual escalation of 10% and has submitted MYT petition for 2018 – 19 and 2019 – 20 accordingly. IPCL has also prayed to recover additional cost, if any, on the basis





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

of actual expenditure incurred by submission of documentary evidence, at the time of filing FPPCA petition for the respective years. The average landed cost and heat value of coal for the years 2018-19 and 2019-20 projected by IPCL vide their additional submission dated 15.05.2020 is noted below:

Power Station	Useful Heat Value of coal (Kcal/Kg)		Landed Coal Price in Rs. /MT	
	2018 – 2019	2019 – 2020	2018 – 2019	2019 - 2020
DPS (New)	3000	3000	2752	3027.20

3.6.2.2 Commission observes that, in the Tariff Order for 2017 – 18, average landed cost of coal of Rs. 2410 /MT was admitted for average UHV of 2889 kCal/kg based on the actual purchase of coal as submitted by IPCL. Now, in absence of specific coal linkage during the years 2018 -19 and 2019 -20, it has been found reasonable to determine the fuel cost using the same coal grade with same usefule heat value of 2889 kCal/kg along with a price escalation as per annual escalation rates notified by CERC for domestic coal under Competative bidding guidelines. The figures are rounded off to the nearest integer.

Landed cost of coal as admitted in Tariff Order 2017 1-8 (Rs./ Tonne)	Average escalation rate for domestic coal from 01.04.2018 to 31.03.2019 (in %)	Projected landed cost of coal for 2018 -19 (Rs. /Tonne)	Average escalation rate for domestic coal from 01.04.2019 to 31.03.2020 (in %)	Projected landed cost of coal for 2019 - 20 (Rs. /Tonne)
A	B	$C = A \times (1 + B)$	D	$E = C \times (1 + D)$
2410	10.83%	2671	0.44%	2683

3.6.2.3 IPCL's gross generation from the 12 MW plant during 2018–19 and 2019 – 20 has been admitted as 84.10MU with normative PLF of 80% as decided in paragraph 3.6.1 above. Now on the basis of above admitted average price and heat value of coal and also with normative parameters as specified in Schedule 9A of the Tariff Regulations, the allowable fuel cost comes to Rs. 2573.48 lakh and Rs. 2585.04 lakh for the years 2018 -19 and 2019 -20 respectively. The detailed computation is shown in the table at Annexure – 3B to this chapter.



Certified true Copy



3.6.2.4 Energy Charge:

Considering the admitted fuel cost vis-à-vis the sent-out generation with normative auxiliary consumption, the admitted energy charge for 2018 – 19 and 2019 – 20 in respect of IPCL's own power station now stands as follows:

Year	Fuel Cost (Rs. in lakh)	Ex-bus Generation (MU)	Energy Charge (Paise/ kWh)
2018 -19	2573.48	84.10	340
2019 – 20	2585.04	84.10	342

3.6.3 Purchase of Energy and Power Purchase Cost:

3.6.3.1 The Commission observed that historically, IPCL used to purchase power from WBSEDCL and DVC at distribution network level in radial mode. Subsequently, they have developed their distribution network and also got connected with STU network at J. K. Nagar Substation. Besides its own generation, IPCL proposes to meet its balance requirement of energy for the years under the sixth control period by purchase of power from DVC, WBSEDCL, medium-term purchase through DEEP portal and some short-term power-purchase. In paragraph 4.7.9 of the petition, IPCL has submitted that the existing import points of Dishergarh, Seebpore, Luchipur, J K Nagar (Satgram) from where IPCL is receiving power from DVC are required to be maintained. IPCL has also proposed to purchase power from West Bengal Green Energy Development Corporation Limited (WBGEDCL) in order to meet its solar renewable purchase obligation. IPCL also proposed to purchase power from non-solar renewable sources to meet its overall RPO. The source wise power purchase proposed by IPCL is mentioned below:

Sl No	From other sources	Projected in the petition	
		2018 – 19	2019 – 20
		(in MU)	
1	DVC	461.65	461.65
2	WBSEDCL	25.00	25.00
3	WBGEDCL	0.96	0.96
4	Non Solar RE	69.27	107.32
5	Other sources (STOA/IX/UI/ Traders/	446.22	784.82
	Total	1003.09	1379.75





सत्यमेव जयते



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

- 3.6.3.2 The Commission has revised the sales projection proposed by IPCL for the sixth control period in paragraph 3.2.4 above. In view of above, the Commission is analyzing source wise power purchase and power purchase costs thereof, considering the merit order principles. This excludes RE Purchase and purchase for network limitations of IPCL.
- 3.6.3.3 On detailed analysis of the submissions made by IPCL, the Commission prima-facia observes that power purchase by a distribution licensee shall be based on economic principles and through approved Power Purchase Agreements, which are to be regulated under section 86(1)(b) of the Electricity Act 2003. Under this Tariff determination process of distribution licensee, the Commission is considering the rates of power purchase to the extent rational and economic, which shall be subject to truing up during the Fuel and Power Purchase Cost Adjustment (FPPCA) process based on actual cost, provisions of PPA vis-à-vis the justifications to be provided by the licensee. Accordingly, the Commission considers the following rates of power purchase for determination of ARR:
- (i) IPCL has proposed 5% increase in power purchase rate from DVC in 2018 - 19 and 12% further increase in 2019 -20 in view of CERC Tariff Order for 2014 – 19 i.r.o DVC. The Commission observes that there has been no change on the power purchase rate of DVC from 2014 – 15 and accordingly allows 5% annual growth in both 2018 – 19 and 2019 – 20. The Commission admits Rs. 4.54/ kWh for 2018 – 19 and Rs. 4.77/ kWh for 2019 – 20 as rate of power purchase from DVC sources;
 - (ii) Regarding power purchase from WBSEDCL, IPCL has proposed Rs. 5.77 /kWh comprising of Rs. 5.54 /kWh as in the Tariff Order of WBSEDCL for the year 2017 -18 and MVCA of Rs. 0.23 /kWh charged by WBSEDCL. The Commission observes that the MVCA claimed by WBSEDCL remains 23 paise/ kWh since 2017 – 18. Under these circumstances, the Commission admits Rs. 5.77/kWh for both the years;





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

- (iii) The proposed rate of solar power purchase from WBGEDCL at Rs.5.00/ kWh is as per PPA and the same is admitted for the years 2018 -19 and 2019 -20;
- (iv) IPCL has proposed to purchase non-solar RE power during the years 2018 - 19 and 2019 – 20 at Rs. 4.07 /kWh, and Rs. 4.09 /kWh respectively. The Commission admits the same;
- (v) IPCL has proposed to purchase power from other sources at a rate of Rs. 4.34/kWh and Rs. 4.17/ kWh during the years 2018 -19 and 2019 -20 respectively. From their petition, it is observed that, IPCL relied on medium-term purchase through DEEP portal. It is noted that from the available documents that the proposed Medium-term power purchase through DEEP portal had not matured. In view of non-finalisation of projected medium-term power purchase, the Commission finds it suitable to consider the average rate of IEX (Indian Energy Exchange) for the years 2018 -19 and 2019-20 with applicable CTU Charge and STU Charge to arrive at the power purchase rate from other sources as tabulated below. The Commission admits Rs. 4.14/ kWh for 2018 – 19 and Rs. 3.39 /kWh for 2019 – 20 as rate of power purchase from other sources.

Particulars	Unit	2018-19	2019-20
Average IEX Rate	Rs/kWh	3.86	3.01
CTU Charge		0.22	0.24
STU Charge		0.06	0.14
Landed Cost of IEX		4.14	3.39

3.6.3.4 In view of the above, the proposed rates for power purchase and rates admitted by the Commission has been tabulated below:

Source	Unit	Projected		Admitted	
		2018 – 19	2019 -20	2018 – 19	2019 -20
DVC	Rs. /kWh	4.54	5.08	4.54	4.77
WBSEDCL	Rs. /kWh	5.77	5.77	5.77	5.77
WBGEDCL	Rs. /kWh	5.00	5.00	5.00	5.00
Non-solar RE	Rs. /kWh	4.07	4.09	4.07	4.09
Other sources	Rs. /kWh	4.34	4.17	4.14	3.39





3.6.3.5 Now, considering the above, the Commission admits power purchase from different sources on merit order principle, as detailed below

- (i) RE Purchase: The solar and non-solar RE Power as proposed by IPCL has been considered to meet their RPO.
- (ii) Purchase for network limitation: IPCL has submitted that the existing level of import from DVC is required to be maintained at Dishergarh, Seebpur, Luchipur and Satgram area. The Commission in its order dated 16.12.2020 in Case No. PPA – 98/ 19 – 20 under paragraph 13.0 has acknowledged the limitation of the existing distribution network and therefore has approved the power purchase agreement between IPCL and DVC for purchase of 16 MW power. This 16 MW power is equivalent to 140.16 MU. In view of these, the Commission allows IPCL to purchase 140.16 MU from DVC at distribution level on the ground of technical dependency on DVC supply.
- (iii) Purchase to meet balance requirement: For the balance power requirement, the merit order principle has been considered to encourage efficiency, competition and economical usage of resources as per Section 61 (c) of the Electricity Act, 2003. The Commission observes that historically IPCL purchased power from DVC and WBSEDCL besides its own generation to meet its demand. However, there is no approved long term Power Purchase Agreement with WBSEDCL till date. Therefore, from the three sources as proposed by IPCL viz. DVC, WBSEDCL and purchase from other sources, it is observed that the landed market price of IEX is lower than that of DVC and WBSEDCL. Thus, the Commission considered the balance power to be purchased at landed cost of market price.

Provided that for real time operation, IPCL shall explore the most economic source of power which will be subject to trading up.





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Considering the above merit order principles, the Commission admits power purchase from different sources as tabulated below:

Power Purchase				
Sl. No.	Particular	Unit	As Admitted	
			2018 – 19	2019 – 20
A	Total Requirement as per para 3.5.1	MU	839.19	914.46
B	From own generation sent-out	MU	75.69	75.69
C	Power purchase requirement (with break up as given below)	MU	763.50	838.77
C1	Purchase from WBGEDCL	MU	0.96	0.96
C2	Purchase from Non-solar RE	MU	69.27	107.32
C3	Purchase from DVC	MU	140.16	140.16
C4	Purchase from WBSEDCL	MU	0.00	0.00
C5	Balance purchase from other sources	MU	572.58	611.11
C6	Less: STU loss	MU	-19.47	-20.78

3.6.3.6 In view of above, considering the admitted power purchase quantum, the Commission admits power purchase cost of Rs. 32915.32 lakh and Rs. 31834.28 lakh for the years 2018-19 and 2019 -20 respectively against their claim of Rs. 44592.13 lakh and Rs. 62056.61 lakh. Break-up of allowable power purchase cost based on the power purchase quantum admitted in paragraph 3.6.3.5 above and the rates allowed in paragraph 3.6.3.4 above is given below:

Admissible Power Purchase Cost for 2018 -19				
Sl No	Source	Energy (in MU)	Rate (Rs./kWh)	Amount (Rs. lakh)
1	DVC	140.16	4.54	6363.26
2	WBSEDCL	0.00	5.77	0.00
3	WBGEDCL	0.96	5.00	48.00
4	Non-solar RE	69.27	4.07	2819.29
5	Other sources	572.58	4.14	23684.77
	TOTAL	782.97	4.20	32915.32



Certified true Copy



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Admissible Power Purchase Cost for 2019 -20				
Sl No	Source	Energy (in MU)	Rate (Rs./kWh)	Amount (Rs. lakh)
1	DVC	140.16	4.77	6681.43
2	WBSEDCL	0.00	5.77	0.00
3	WBGEDCL	0.96	5.00	48.00
4	Non-solar RE	107.32	4.09	4386.95
5	Other sources	611.11	3.39	20717.90
	TOTAL	859.55	3.70	31834.28

3.7 Energy Balance:

3.7.1 Based on the analyses done and decisions recorded in the preceding paragraphs, the statement of Energy Balance in respect of IPCL for the years 2018 – 19 and 2019 – 20 stands as below:

Energy Balance			
Sl.No.	Particulars	As Admitted (in MU)	
		2018-19	2019-20
A	Energy Input		
1	Sent-out energy from Own generating station	75.69	75.69
2	Energy Purchased		
	From DVC	140.16	140.16
	From WBSEDCL	0.00	0.00
	From WBGEDCL	0.96	0.96
	From Non-solar RE	69.27	107.32
	From other sources (STOA /IEX, etc)	572.58	611.11
	Less: Transmission loss (normative on other sources)	-19.47	-20.78
	Total Power Purchase	763.50	838.77
3	Overall Energy Input into the system of IPCL	839.19	914.46
B	Energy Utilisation		
1	Energy sale to consumers	792.21	863.45
2	Energy for own consumption	2.92	3.00
2	Unutilised units	44.06	48.01
	Total Energy	839.19	914.46

Certified true Copy





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

ANNEXURE – 3A

ENERGY SALES TO OWN CONSUMERS

SL No	Particulars	2018 -19	2019 -20
1	Domestic	13.87	25.73
2	Commercial	8.25	19.31
3	Industry	2.25	3.03
4	Private Educational Institutions and Hospitals	0.47	1.02
5	Street light	0.11	0.59
	Total L&MV	24.95	49.68
1	Public Utility	0.68	0.75
2	Domestic	8.97	9.87
3	Co-operative Group Housing society	0.08	0.09
4	Commercial	37.18	37.55
5	Public water works & sewerage	43.53	47.88
6	Cold storage or Dairy with chilling plant	0.62	0.68
7	Industry	666.21	695.66
8	Private Educational Institute	1.57	1.73
9	Traction	8.42	19.56
	Total HV& EHV	767.26	813.77
	TOTAL	792.21	863.45



Certified true Copy



सत्यमेव जयते



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

ANNEXURE – 3B

COST OF FUEL (DISHERGARH POWER STATION) (NEW)

SI.	STATION	DERIVATION	UNIT	Admitted 2018 -19	Admitted 2019 -20
1.	Gross Generation	1	MU	84.10	84.10
2.	Auxiliary consumption (normative @ 10%)	2	MU	8.41	8.41
3.	Sent-out Energy	3=1-2	MU	75.69	75.69
4.	Station Heat Rate (normative)	4	kCal/kWh	3,300	3,300
5.	Total Heat Required	5=1x4	Gcal	2,77,517	2,77,517
6.	Heat from Coal	6	Gcal	2,77,517	2,77,517
7.	Heat Value of Coal (projected based on past actual)	7	kCal/Kg	2,889	2,889
8.	Coal Consumption	8=6/7	Tonne	96,060	96,060
9.	Coal requirement (considering normative transit loss @ 0.30%)	9	Tonne	96,349	96,349
10.	Average Price of Coal	10	Rs./Tonne	2,671	2683
11.	Cost of Coal	11=9X10	Rs. lakh	2,573.48	2,585.04
12.	Total Fuel Cost	12	Rs. lakh	2,573.48	2,585.04

Certified true Copy





सत्यमेव जयते



CHAPTER – 4 FIXED CHARGES

- 4.1 The examination of the projected fixed charges claimed by IPCL for the ensuing years 2018-19 & 2019-20 of the sixth control period under different heads for its power stations and distribution system has been taken up in this chapter.
- 4.2 The Plant in operation during the year 2018-19 & 2019-20 has been projected as Dishergarh Power Station (1 x 12 MW) which was made operational with effect from 25.09.2012. As per revised Form 1.1 submitted by IPCL, the availability of the Dishergarh Power Station has been projected as 85.28% both in 2018-19 & 2019-20 and PLF at 80.24% both in 2018-19 & 2019-20. However, the Commission considers normative PAF of 85% and normative PLF of 80% for ARR determination.
- 4.3 IPCL projected a total fixed cost of Rs. 17267.41 lakh & Rs. 22366.90 lakh respectively for 2018-19 & 2019-20 in their main petition dated 25.9.2019. However, such figures have been revised for Rs. 16217.83 lakh and Rs. 21818.80 lakh respectively for 2018-19 & 2019-20 in their submission dated 16.06.2020.
- 4.4 In view of above submissions, the Commission proceeds for determining the different components of fixed charges in a practicable and rational manner in terms of the Tariff Regulations.
- 4.5 **Employees' Cost:**
- 4.5.1 It is observed from Form 1.17 (h) submitted by IPCL that they have claimed Rs. 5642.99 lakh & Rs. 7053.74 lakh respectively for 2018-19 & 2019-20 as employee cost. IPCL has stated in their submission that employee cost has been projected considering increase of 25% per annum over 2017-18 estimates keeping in view of increments and increase in allowances based on inflation. Such claim does not sync with information furnished by IPCL.
- 4.5.2 The Commission has viewed the detailed component wise break-ups of the employees' cost under different functional heads as provided in the specified





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

formats. The employee cost as submitted at form 1.17(h) for 2018-19 & 2019-20 includes expenses for payment to contract labour as Rs. 335.88 lakh & Rs. 419.85 lakh, Staff Training Expenses as Rs. 22.82 lakh & Rs. 28.53 lakh, VRS as Rs. 41.86 lakh & Rs. 52.33 lakh and Director's fees and commission as Rs. 50.04 lakh & Rs. 62.55 lakh respectively besides other regular components. The Commission viewed that the entire claim towards payment to contract labour included in the total claim of IPCL for employee cost should not be classified under employee cost. The expenses incurred for contract labour through contractors is to be excluded from employee cost as nature of such expense is directly related with operation and maintenance job. As such, admissibility of the expenses on contract labours is to be viewed under operation and maintenance expenses, which have been considered separately. Similarly, Staff training expense should not be considered as employee cost as nature of such expense is related to administrative and general expenses under Operation and Maintenance cost and same would be treated separately. Accordingly, the claim towards employee cost excluding the payment of contract labour and staff training comes to **Rs. 5284.29 lakh** and **Rs. 6605.36 lakh** for the year 2018 – 19 and 2019 – 20 respectively.

- 4.5.3. Amounts dispersible following VRS scheme adopted by IPCL and as approved by the Commission has been partly allowed in APR 2012-13 with the balance passed on in APR 2013-14. IPCL has not submitted any details of VRS scheme, if any, adopted afresh. Accordingly, claim on VRS amount is not admitted. The Director's fees and commission as claimed are admitted by the Commission.
- 4.5.3 Commission admitted a sum of Rs. 4193.94 lakh as employee cost for base year (i.e., 2017-18) besides an amount of Rs. 750 lakh on account of arrear wage settlement, based on actuals, in MYT 2017-18 in case no TP-74/16-17 vide order dt 28.1.2021. Such employee cost as admitted in Tariff Order 2017-18 based on actuals has been prorated with respective numbers of own employees for cost centers of generation, distribution and centrally maintained expenses and thereafter, annual increase (following CPI inflation @ 5.40% and 7.54% as per information of Bureau of Labour, Govt of India respectively for 2018-19 & 2019-20) have been considered





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

to derive the admitted employee cost in 2018-19 & 2019-20. During the computation, numbers of employee projected by IPCL during the years have been admitted.

4.5.4 The Commission thus decides to admit the following amounts as at Table 4.1.b towards employees' cost inclusive of Directors' fees and expenses.

Table – 4.1.a

Rs. lakh

Sl No	Particulars	2017-18 (Tariff Order at actuals)				Total
		Generation	Distribution	Centrally Maintained	Director's fees	
A	Own Employee Cost	253.04	1901.97	1998.90	40.03	4193.94
B	Manpower	39	411	242		692

Commission admits employee cost for 2018-19 & 2019-20 at table 4.1 b below considering rationale explained at para 4.5.3 above and applying the same as admitted figures of Tariff Order of 2017-18 as furnished at table 4.1 a above.

Table – 4.1.b

Rs. lakh

SL No	Particulars	Generation	Distribution	Centrally Maintained	Director's fees	Total
1	For the year 2018 -19 (CPI @ 5.40%)					
A	Own Employee Cost	88.90	1702.27	1889.20	50.04	3730.41
B	Manpower	13	349	217		579
2	For the year 2019 -20 (CPI @ 7.54%)					
A	Own Employee Cost	102.96	2014.21	2237.60	62.55	4417.32
B	Manpower	14	384	239		637

Centrally maintained expenses and Director's fees are allocated between generation and distribution head in the ratio of admitted cost for own employees under the respective heads. Accordingly, employee expense admitted for generation and distribution in ARR are as below:





सत्यमेव जयते



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Table – 4.1.c

Rs. lakh

Sl No	Particulars	2018 - 19		2019 - 20	
		Generation	Distribution	Generation	Distribution
1	Own Employee cost	88.90	1702.27	102.96	2014.21
2	Add: allocation of Central expense	93.77	1795.43	108.82	2128.78
3	Add: allocation of Director's fees	2.48	47.56	3.04	59.51
4	Total (1+2+3)	185.15	3545.26	214.82	4202.50
	Total Employee cost (Gen + Distribution)	3730.41		4417.32	

4.5.5 It is, however, necessary to mention that the employees' cost is uncontrollable and is subject to adjustment in APR on actual basis as per audited accounts of the respective year.

4.5.6 IPCL is directed to furnish the following with APR petitions for 2018-19 & 2019-20:

- i) the number of employees engaged in their generating stations and manpower engaged in business other than generating station with name of the business and with detailed break-up separately.
- ii) the actuarial report for liability towards employees' benefits fund i.e. terminal benefit fund for Gratuity and Pension with the application of the APR for the respective years.

4.6 **Coal & Ash Handling Charges:**

4.6.1 The proposal of IPCL for coal and ash handling charges for the year 2018-19 & 2019-20 has been analyzed by the Commission. IPCL has considered increase of 10% per annum over the estimated expenditure in 2017-18. However, reasons for such increase has not been explained by IPCL.

4.6.2 Commission while approving Tariff Order 2017-18 admitted a sum of Rs. 84.99 lakh towards coal and Ash Handling expenses linking the same with target generation of 89.35 MU as considered for 2017-18.





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

The Commission now decides to consider the admission of coal and ash handling expenses after prorating the same with normative generation for respective ensuing years and considering escalation following CPI inflation for the respective years of 2018-19 & 2019-20. Accordingly, Coal and Ash handling charges for 2018-19 & 2019-20 are admitted as below:

Table 4.2

Rs. lakh

Particulars	Tariff Order 2017-18	As claimed by IPCL		Admissible amount	
		2018 – 19	2019 – 20	2018 – 19	2019 – 20
Gross Generation	89.35	84.62	84.62	84.10	84.10
Inflation factor (CPI)				5.40%	7.54%
Admitted Coal & Ash Handling Charges	84.99	153.69	169.06	84.31	90.67

Commission admits **Rs. 84.31 lakh** and **Rs. 90.67 lakh** in 2018-19 and 2019-20 respectively.

However, the admitted amounts will be reviewed by the Commission during the APR as per audited annual reports and accounts and actual generation.

4.7 Water Charges:

4.7.1 The proposal of IPCL for water charges for the year 2018-19 & 2019-20 has been analyzed by the Commission. IPCL has considered increase of 100% per annum over the estimated expenditure in 2017-18.

4.7.2 The Commission now decides to consider the admission of water echarges after prorating the same with normative generation for respective ensuing years and considering escalation following WPI inflation for the respective years of 2018-19 & 2019-20. Accordingly, water charges for 2018-19 & 2019-20 are admitted as below:





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Table 4.3

Rs. lakh

Particulars	Tariff Order 2017-18	As claimed by IPCL		Admissible amount	
		2018 – 19	2019 – 20	2018 – 19	2019 – 20
Gross Generation	89.35	84.62	84.62	84.10	84.10
Inflation factor (WPI)				4.26 %	1.67 %
Admitted Water Charges	3.55	0.75	0.75	3.48	3.54

Commission admits a sum of **Rs. 0.75 lakh** in each of the years 2018-19 & 2019-20 as claimed by IPCL, being less than the admissible amount.

However, the admitted amount will be reviewed by the Commission during the APR for the respective years as per audited annual reports and accounts and actual generation.

4.8 Operation and Maintenance (O&M) Expenses, Rates & Taxes and Insurance:

4.8.1. O&M Expenses for Generation:

IPCL has proposed operation of sole 12 MW generating unit during the sixth control period of 2018-19 & 2019-20. IPCL has claimed O&M expenses of Rs. 96.81 lakh and Rs. 102.63 lakh respectively for 2018-19 & 2019-20 in respect of generation function marking a sharp increase over norms specified for 2016-17 in schedule 9A of the Tariff Regulations. IPCL in their petition has also claimed expenses towards contractual employees in generation business as Rs. 86.99 lakh and Rs. 108.73 lakh under the employee expenses head. As discussed in paragraph 4.5.2 above, the same is to be considered under O&M expenses. Thus, the net claim of O&M expense for generation comes to **Rs. 183.80 lakh** and **Rs. 211.36 lakh** in the year 2018 – 19 and 2019 – 20 respectively.

However, the Commission considers O&M expenses for generation function following schedule 9A of Tariff Regulations. In absence of any norms specified for





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

the year 2017-18 and onwards in Schedule 9A of the Tariff Regulations the Commission considers a rate after factoring respective Hybrid inflation rate (60% WPI+40% CPI) for 2017-18, 2018-19 & 2019-20 over O&M norms specified for 2016-17. The weighted average inflation rate under WPI and CPI as given in Annexure-5A with 60:40 ratio works out to be 3.04%, 4.72% and 4.02% for the years 2017-18, 2018-19 and 2019-20 respectively. Considering the above weighted average inflation rate for the years 2017-18, 2018-19 and 2019-20, the rate of O&M expenses in respect of the generating stations for the years 2018-19 and 2019-20 are worked out as below::

Table 4.4Rs lakh

Generating Units	Installed capacity	Norms of 2016-17	O&M Exp rate for 2017-18 considering inflation 3.04%	O&M Exp rate for 2018-19 considering inflation 4.72%	O&M Exp rate for 2019-20 considering inflation 4.02%
	(in MW)	Lakh /MW	Lakh /MW	Lakh /MW	Lakh /MW
	[1]	[2]	[3] = [2]X 1.0304	[4]= [3]X 1.0472	[5]=[4]X1.0402
Dishergarh	12	7.18	7.40	7.75	8.06
Admitted O&M Exp				Col (1) * Col (4)= 93.00	Col (1)* Col (5)= 96.72

4.8.2. O&M Expenses for Distribution function, Rates & Taxes and Insurance:

The Commission has made prudent analysis of the charges claimed by IPCL under the following heads:

- (i) Different sub-heads of O&M expenses for distribution function;
- (ii) Rates and Taxes charges; and
- (iii) Insurance charges.

While determining fixed charges on such heads for the sixth control period (2018-19 & 2019-20) the following considerations have been done .

4.8.2.1 IPCL has projected a sum of Rs. 2108.98 lakh and Rs. 2566.69 lakh respectively in 2018-19 & 2019-20 while estimating O&M expenses for distribution function. IPCL





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

has considered the claim for 2018-19 & 2019-20 based on the projected fixed assets and distribution infrastructure after considering escalation for inflationary trends. IPCL in their petition has claimed expense towards contractual employee in distribution and centrally maintained head as Rs. 248.89 lakh and Rs. 311.12 lakh in 2018-19 and 2019-20 respectively under the employee expenses head. IPCL has also claimed Rs. 22.82 lakh and Rs. 28.53 lakh as staff training expenses in 2018-19 and 2019-20 respectively under employee expenses head. As discussed in paragraph 4.5.2 above, these are to be considered under O&M expenses. Thus, the net claim of O&M expenses for distribution function comes to **Rs. 2380.69 lakh** and **Rs. 2906.34 lakh** in the year 2018 – 19 and 2019 – 20 respectively.

4.8.2.2 The Commission, however, followed a methodology that considers the sensitivity parameters of Business Volume growth as was determined in the previous tariff order 2017-18 and factoring it with the average inflation rate for 2018-19 giving 60:40 weightage to WPI: CPI as detailed below:

Table 4.5 a

TREND OF INFLATION RATE	2018-19	2019-20
Average inflation rate as per WPI	4.26%	1.67%
Average inflation rate as per CPI	5.40%	7.54%
Average inflation rate as per WPI + CPI (60:40)	4.72%	4.02%

4.8.2.3 Further, as the O&M expenditure is controllable in nature, the Commission finds it prudent to apply the inflation rates on the admitted (O&M) expenditure in the Tariff Order of 2017 – 18 for each sub-head with due weightage to sensitivity parameters of business volume growth. The Distribution Line Length (DLL) expressed in CKM and the Consumer Strength (CS) expressed in numbers have been considered as the sensitivity parameters for respective heads in line with the Tariff Order 2017-18. Admissible amount thus derived considering Business volume growth and hybrid inflation rate for respective ensuing years of 2018-19 & 2019-20 has been admitted limited to claim submitted by IPCL wherever applicable. O&M expenses so derived





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

shall be adjusted during the APR based on actual line length following the same principle.

4.8.2.4 The Commission decides that determination of ARR in the tariff order of sixth control period, the impact of increase in business volume on different sub-heads/ heads will be considered as exercised in case of other distribution licensees. For such purpose, in the business process of IPCL there are two important business volume parameters such as Distribution line length (DLL) in Circuit Kilometer (CKM) and Consumer strength (CS). Different elements of fixed charge are sensitive to either of the above two parameters. The following table 4.5.b mentions the respective business volume parameters as considered for determination of admissible O&M expenses for 2018-19 & 2019-20 .

Table-4.5 b

Sl. No	Expenditure Head	Business Volume Parameter
1	Repair & Maintenance Expenditure	DLL
2	Auditor's Fees	DLL
3	Legal Charges & Consultancy fees	CS
4	Other A&G Expenses	CS

IPCL has projected a sharp increase in Consumer Strength (CS) in 2018-19 & 2019-20 respectively at 10005 & 13505 as against actual nos of 2373 in 2017-18 in their additional submission dt 20.7.2020. IPCL has not furnished adequate justifications for such sharp rise. The Commission has accordingly estimated such numbers based on CAGR of past actuals from 2014-15 to 2017-18 and derived the figures for 2018-19 & 2019-20. The relevant figures of business volume parameters considered for the purpose of determining O&M expenses under distribution head as below at Table 4.5.c:





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Table-4.5 c

2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
DLL (CKM)	927.06	948.01	969.44	941.167	946	951
CS (Nos)	1230	1456	1725	2373	2954	3678

4.8.2.4 The expenditures as admissible for the 6th control period of 2018-19 & 2019-20 have been worked out considering item wise admitted cost/CKM and item wise admitted cost/Consumer No. as applicable for respective items in Tariff Order 2017-18 and thereafter applying hybrid inflation rate of respective ensuing years of 2018-19 & 2019-20 followed by factoring such inflation adjusted cost with Average Distribution Line Length (DLL) in CKM/Consumer no. (referred at table above) for respective ensuing years of 6th control period. The final admitted amount is restricted to claim submitted by IPCL for respective years. The details of such working is placed at Annexure- 4B. The item wise summary claim and admission is furnished below.

Table 4.5 d

Rs. lakh

Sl No	Head of O&M Expenses	Claim of IPCL- 2018-19	Claim of IPCL- 2019-20	Admitted in 2018-19	Admitted in 2019-20
		Rs lakh	Rs Lakh	Rs lakh	Rs lakh
A.	Repairs & Maintenance	609.84	724.54	386.31	403.85
B.	Administrative & General Expenses				
1	Rent Rates & Taxes	64.11	70.52	63.66	66.55
2	Legal & Consultancy Charges	591.34	709.61	144.14	186.66
3	Auditors Fees	43.76	50.32	9.55	9.98
4	Other A&G Expenses (incl contract labour + staff training expenses)	1071.64	1351.35	465.69	603.04
5	A&G Expenses (1+2+3+4)	1770.85	2181.80	683.04	866.23
C	Total O&M Expenses (A+B)	2380.69	2906.34	1069.35	1270.08

4.8.2.5 The admitted amounts of O&M expenses for distribution, Outsourcing Expenses for distribution, Lease Rental and Complaint Management Mechanism for 2018-19 &





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

2019-20 are based on amount admitted in Tariff Order 2017-18 along with projected business volume parameters. During truing up exercise in APR of the concerned ensuing years in 6th Control period, the estimated expenditures on all the elements of different heads as mentioned in paragraph 6.4.5 above for 2018-19 and 2019-20 are to be considered as has been incurred considering actual business volume parameter of Distribution Line Length (DLL) in CKM/ Consumer Strength (CS) in no. for 2018-19 & 2019-20. While finalizing APR for 2018-19 & 2019-20, if the actual value of DLL/CS is found to be higher/Lower than the admitted value in Tariff Order 2018-19 & 2019-20, the impact of such differential amount will be adjusted to the projected value of DLL/CS for the period 2018-19 & 2019-20.

4.9. Rent (For Generating Station)

IPCL has projected a sum of Rs. 14.93 lakh & Rs. 16.42 lakh as Rent, Rates & Taxes for generating function in their additional submission dated 11.06.2020 for 2018-19 & 2019-20 respectively. Rates and taxes for Generation function are not associated with the parameters of Distribution Line Length like Distribution function. The Commission admits the same as claimed by IPCL. The admitted amount accordingly comes to Rs. 14.93 lakh & Rs 16.42 lakh in 2018-19 & 2019-20 respectively.

4.10 Insurance

4.10.1 IPCL has projected a sum of Rs. 45.62 lakh & Rs 58.64 lakh in 2018-19 & 2019-20 respectively towards Insurance expenditure. The Commission admits the insurance expense for generation function as claimed by IPCL. The insurance expenditure for distribution function has been admitted following the same methodology considering business volume parameters of DLL along with Hybrid Inflation as explained at para 4.8.2.4 above. Summarised admission is furnished below:





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Table-4.6 Rs lakh

Sl. No	Particulars	2018-19- As Claimed-	2019-20- As claimed-	2018-19- As admitted-	2019-20- As admitted-
1	Dishergarh TPS (12 MW)	7.26	7.26	7.26	7.26
3	Distribution System	38.36	51.38	30.84	32.23
4	Total	45.62	58.64	38.10	39.49

4.10.2 Insurance Premium paid is subject to adjustment in APR where IPCL would be required to confirm that provisions under regulation 5.23.1 of the Tariff Regulations are complied with.

4.11 Interest on Loan Capital and Finance Charges

4.11.1 IPCL has submitted a claim of Rs. 2691.02 lakh and Rs. 4336.70 lakh as interest on loan for 2018-19 & 2019-20 respectively in Form E(B) vide their additional submission dt 15.5.2020. However, such claim is not supported by requisite Form C for the ensuing years. It is further observed that such claim accounts for only interest on normative debt for 2018-19 & 2019-20 as per Form 1.20(b) submitted by IPCL.

4.11.2 Interest on capital Borrowings: In absence of such Form C, for the ensuing years, the Commission proceeds to assess the interest on loan for the years 2018-19 & 2019-20 based on outstanding loans as on 31.3.2018 furnished by IPCL in Form C submitted for 2017-18 read with the Commission’s order dt 28.1.2021 in case no. TP-74/16-17 for MYT 2017-18. The loan position for 2018-19 & 2019-20 alongwith corresponding interest considering usual repayment as assessed is furnished below.

Table-4.7 a Rs. lakh

Loan Position-2018-19

Sl. No.	Source	Opening Balance-1.4.2018	Fresh Drawal	Repayment	Closing Balance-31.3.2019	Rate of Interest	Admissible interest on average balance	Purpose
1	IDBI Bank	2222.24		444.44	1777.80	11.85%	237.00	Dishergarh New -12 MW





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Sl. No.	Source	Opening Balance-1.4.2018	Fresh Drawal	Repayment	Closing Balance-31.3.2019	Rate of Interest	Admissible interest on average balance	Purpose
2	South Indian Bank	6202.84		855.52	5347.32	11.00%	635.26	220 KV J.K.Nagar S/S
3	Corporation Bank	677.46		93.20	584.86	11.40%	71.92	Part Financing of Capex for LT network
3	Ratnakar Bank	4000.00		750.00	3250.00	10.25%	NA	Maintenance of Capex and Net working Capital
4	Axis Bank OD A/C	22687.32			22687.32	9.45%	NA	Line of Credit for Cashflow mismatch
5	Lakshmi Vilas Bank-TL	353.00			353.00	11.00%	NA	Purpose of Loan not mentioned in Form C for 2017-18
6	Lakshmi Vilas Bank-STL	10000.00			10000.00	9.30%	NA	
7	NCD-100 Crs	6000.00			6000.00	10.75%	NA	
8	NCD-20 Crs	2000.00			2000.00	12.00%	NA	
9	Total	54142.86		2143.16	52000.30		944.18	

Loan Position-2019-20

Sl. No.	Source	Opening Balance-1.4.2019	Fresh Drawal	Repayment	Closing Balance-31.3.2020	Rate of Interest	Admissible interest on average balance	Purpose
1	IDBI Bank	1777.80		444.44	1333.36	11.85%	184.34	Dishergarh New -12 MW
2	South Indian Bank	5347.32		855.52	4491.80	11.00%	541.15	220 KV J.K.Nagar S/S
3	Corporation Bank	584.86		93.20	491.06	11.40%	61.29	Part Financing of Capex for LT network
3	Ratnakar Bank	3250.00		750.00	2500.00	10.25%	NA	Maintenance of Capex and Net working Capital
4	Axis Bank OD A/C	22687.32			22687.32	9.45%	NA	Line of Credit for Cashflow mismatch
5	Lakshmi Vilas Bank-TL	353.00			353.00	11.00%	NA	Purpose of Loan not mentioned in Form C for 2017-18
6	Lakshmi Vilas Bank-STL	10000.00			10000.00	9.30%	NA	
7	NCD-100 Crs	6000.00			6000.00	10.75%	NA	
8	NCD-20 Crs	2000.00			2000.00	12.00%	NA	
9	Total	52000.30		2143.16	49856.54		786.78	





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

4.11.3 The Commission now proceeds to assess source-wise loan and corresponding interest chargeable to revenue as recoverable through tariff for the sixth control period of 2018-19 & 2019-20.

- (i) IPCL had earlier drawn term loan for Rs. 4000.00 lakh in phases during 2011-12 (Rs. 2000.00 lakh), 2012-13 (Rs. 1500.00 lakh) and 2013-14 (Rs. 500.00 lakh) from IDBI Bank at original interest rate of 12.75% for construction of 12 MW Dishergarh Power Station with a moratorium period of 24 months from 1.4.2012 and repayable in 36 equal quarterly instalments. The Commission noted that total drawal of loan for construction of 12 MW Dishergarh plant is within 70% of the project cost of 6654.00 lakh as approved by the Commission at 2nd stage. The asset was put to commercial operation on 25.9.2012. Rate of interest has undergone downward revision from year to year as per information furnished by IPCL at respective Form C relating to previous years and such rate for 2017-18 is 11.85%. The actual interest on the term loan during 2018-19 & 2019-20 is accordingly assessed respectively at Rs. 237.00 lakh and Rs. 184.34 lakh.
- (ii) IPCL had earlier drawn two term loans of Rs. 5000.00 lakh and Rs. 2493.00 lakh in phases during 2012-13 (Rs. 5000.00 lakh) and 2014-15 (Rs. 2493.00 lakh) from South Indian Bank at original interest rate of 13.00% for construction of 220 KV J. K. Nagar Sub Station and lines repayable from 01.12.2015 in 36 equal quarterly installments. The Commission noted that total drawal of loan for construction of 220 KV J. K. Nagar Sub Station and lines is within 70% of the final project cost of Rs. 11008.00 lakh as approved by the Commission. It is also noted that the approved project cost includes a sum of Rs. 3860.97 lakh towards cost of LILO of Santaldih -Durgapur 220KV D/C line of WBSETCL. The Commission vide order dated 23.12.2020 in Case no. OA-57/2009-10 directed that, the capital cost of transmission asset pertaining to LILO of Santaldih -Durgapur 220KV D/C will be reimbursed to IPCL in 120 equal monthly installments. Thus, Rs. 3860.97 lakh pertaining to such project will not be





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

considered under the fixed asset of IPCL; hence, ROE and depreciation will not be applicable for such asset. However, since IPCL has to service the debt taken for the project, the interest on such debt is allowable on the total loan taken for the project. The asset has been put into commercial operation on 11.12.2015. Rate of interest has undergone downward revision from year to year as per information furnished by IPCL in respective Form C relating to previous years and such rate for 2017-18 is 11.00 %. The actual interest on the term loan during 2018-19 & 2019-20 is accordingly assessed as Rs. 635.26 lakh and Rs 541.15 lakh respectively.

- (iii) IPCL had earlier drawn term loan of Rs. 932 lakh from Corporation Bank at an original interest rate of 11.45% during 2015-16 for part financing the Capex for LT Network. Rate of interest has undergone downward revision from year to year as per information furnished by IPCL at respective Form C relating to previous years and such rate for 2017-18 is 11.40%. The actual interest on the term loan during 2018-19 & 2019-20 is accordingly assessed as Rs.71.92 lakh and Rs 61.29 lakh respectively.
- (iv) In respect of rest of the sources as mentioned at Table 4.7.a above, IPCL has mentioned about a loan of Rs. 40000.00 lakh from Axis Bank overdraft Account as line of credit for cashflow mismatch. Such loan is only on account of working capital arrangement and does not form part of any project loan and interest on the same shall not come under interest on borrowed capital for projects commissioned. IPCL has outstanding balance of Rs. 353.00 lakh Long Term Loan along with short term loan of Rs. 10000.00 lakh from Lakshmi Bilas Bank as on 31.3.2018. No purpose has been mentioned for drawal of such loan. Regarding outstanding balance of Rs. 4000.00 lakh loan from Ratnakar Bank, they have not mentioned any specific purpose. The Commission does not consider any interest on such loans for servicing through tariff as the said loan was stated to have been drawn both for meeting routine CAPEX and working capital requirements as per submission at Form C for 2017-18 without any





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

segregation and capitalization details. As regards NCD, such NCD was utilized as bridge finance till drawal of Loans for 12 MW Dishergarh Power Station and 220 KV J. K. Nagar Substation & lines mainly. As also observed at para 2.6.2 in the order for APR 2012-13 in case no. APR-41/13-14 IPCL (erstwhile DPSC) has been utilising the NCD amount towards 12 MW Dishergarh Power Station, J K Nagar Substation & lines, 2 X 270 MW Project at Raghunathpur and the balance for various substation etc. It was also observed that in case of 1 X 12 MW Dishergarh Power station, a sum of Rs. 4000 lakh was availed from IDBI Bank substituting the NCD and in case of J K Nagar Substation & lines, a sum of Rs. 5000 lakh was availed from South Indian Bank substituting the NCD. So this was used as bridge finance during construction.

- (v) Based on the above facts and discussions, the Commission admits the following Interest on actual Capital Borrowings for the sixth control period in 2018-19 & 2019-20 at Table 4.7.b below:

Table-4.7 b [Rs Lakhs]

Sl. No.	Particulars	2018-19 Admitted	2019-20 Admitted
1	Interest on borrowings for 12 MW Plant	237.00	184.34
2	Interest on borrowings for J. K. Nagar S/S	635.26	541.15
3	Interest on loans for Distribution network	71.92	61.29
4	Interest on capital borrowing admitted	944.18	786.78
5	Interest allocable to Generation	237.00	184.34
6	Interest allocable to Distribution	707.18	602.44

4.11.4 IPCL, through their additional submission dated 11.06.2020 revised forms 1.18, 1.18(a), 1.19(a), 1.19(b) and 1.19(c) related to their Capital Expenditure plan. IPCL projected a capital expenditure of Rs. 15000.00 lakh and Rs. 25000.00 lakh in 2018-19 & 2019-20 respectively. No addition of asset has been proposed under generation function. Details given in Form 1.19(b) and 1.19(c) are summarized below:





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Table-4.7c.1Rs Lakhs

Sl no	Particulars	Target datet of completion	2017-18 (base yr)	2018 -19	2019 -20	Balance to next control period
A	Small Distribution schemes		773.68	3468.00	10821.00	
B	New Projects					
1	J.K nagar to Pandabeswar	FY 19 -20		5899.00	1393.00	
2	Kalyaneswari project			4200.00	12786.00	12509.00
3	Distribution SCADA	FY 18 -19		1433.00	0.00	
	Sub-total (B)			11532.00	14179.00	
C	TOTAL (A + B)			15000.00	25000.00	

- (i) The Commission observes that, under small distribution schemes, IPCL has proposed 348% increase in asset addition during 2018 -19 from that of the estimated base year and 212% increase in asset addition during 2019-20 from that of ensuing year 2018-19. Such addition is not supported by any explanation and clarification and are not acceptable accordingly. The Commission while deriving gross asset addition for distribution schemes in Tariff Order for 2017-18 considered the audited actuals of the preceding year 2017-18 and previous years. Such gross asset addition for distribution schemes for the years 2014-15 to 2017-18 are furnished below:

Table 4.7.c.2

Particulars	2014-15	2015-16	2016-17	2017-18
a. Opening gross asset for distribution	15437.26	16442.60	22604.02	24392.88
b. Closing gross asset for distribution	16442.60	22604.02	24392.88	24698.21
c. Gross asset addition (b-a)	1005.34	6161.42	1788.86	305.33

The Commission, based on the average gross asset addition during the period 2014-15 to 2017-18, i.e., Rs. 2315.24 lakh as derived from the figures against item c in the table above, admits a sum of Rs. 2315.24 lakh both in 2018-19 & 2019-20 as gross asset addition for distribution schemes excluding new projects.





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

- (ii) For new projects it is noted that, in case of 132 kV DC Transmission line from J. K. Nagar to Pandabeshwar, the Commission has admitted only Rs. 2500 lakh to be borne by IPCL as pass through in tariff in case no OA-230/16-17 vide order dt 15.11.2019. The Commission will consider such amount while considering ARR for the 7th control period commencing from 2020-21. Infrastructural development at Kalyaneshwari, West Burdwan district for Rs. 25295.00 lakh has been stated to be spilled beyond 2019-20; hence, in absence of specific details no asset addition has been considered on this account in this control period. During APR, IPCL shall submit COD of the respective projects for truing up. As regards SCADA project, the Commission has admitted Rs. 1428.08 lakh in Case no. WBERC/ OA – 262/ 17-18 dated 16.04.2019. The Commission admits such amount in 2019-20 as asset addition.
- (iii) IPCL has projected cumulative assets on consumer contribution as Rs. 5214.90 lakh in both 2018-19 & 2019-20, which implies no asset addition has been projected from consumer contribution. The Commission finds it prudent to consider asset addition through consumer contribution as per the amount admitted in the tariff order for 2017 -18. Accordingly, an amount of Rs. 393.85 lakh is considered for both the years 2018-19 & 2019-20, subject to truing up during APR based on actual values.
- (iv) Based on the narration at para 4.11.1 (i) to (iii), the asset position for distribution function for the years 2018-19 & 2019-20 are furnished below

Table 4.7 c.3 Rs. lakh
Asset Position 2018-19

Sl No	Particulars	Opening Balance- 1.4.2018	Closing Balance- 31.3.2019
1	Gross block of Fixed assets as per audited actuals of 2017-18	44234.64	46549.88
2	Less Assets Disallowed		
A	Value of additional 3 floors of building at Salt Lake (Kolkata) including the cost of air conditioning, plant and elevator	1660.03	1660.03
B	Value of leasehold land at Salt Lake in Kolkata	1324.55	1324.55
C	Value of flats at Haldia.	132.29	132.29





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

D	Fixed asset capitalized in excess of Commission approved amount for Dishergarh new plant	2322.85		2322.85	
E	Fixed asset capitalized in excess of Commission approved amount for J K Nagar 220/33 KV substation	7442.71	12882.43	7442.71	12882.43
3	Gross Value of Fixed Assets for energy business operation (Sl. 1-Sl 2 a to 2 e)		31352.21		33667.45
4	Less: Contribution from Consumers towards Service Line and Advance from Consumers for job		2497.61		2891.46
5	Net Cost of Fixed Assets (Sl. 3 -Sl. 4)		28854.60		30775.99
6	Net Addition of Fixed Assets (Closing Balance -Opening Balance at Sl. 5)				1921.39

Table 4.7 c.4

Rs. lakh

Asset Position -2019-20

Sl No	Particulars	Opening Balance- 1.4.2019		Closing Balance- 31.3.2020	
1	Gross block of Fixed assets as per audited actuals of 2017-18	46549.88		50293.20	
2	Less Assets Disallowed				
A	Value of additional 3 floors of building at Salt Lake (Kolkata) including the cost of air conditioning, plant and elevator	1660.03		1660.03	
B	Value of leasehold land at Salt Lake in Kolkata	1324.55		1324.55	
C	Value of flats at Haldia.	132.29		132.29	
D	Fixed asset capitalized in excess of Commission approved amount for Dishergarh new plant	2322.85		2322.85	
E	Fixed asset capitalized in excess of Commission approved amount for J K Nagar 220/33 KV substation	7442.71	12882.43	7442.71	12882.43
3	Gross Value of Fixed Assets for energy business operation (Sl. 1-Sl 2 a to 2 e)		33637.81		37410.77
4	Less: Contribution from Consumers towards Service Line and Advance from Consumers for job		2891.46		3285.31
5	Net Cost of Fixed Assets (Sl. 3 -Sl. 4)		30775.99		34125.46
6	Net Addition of Fixed Assets (Closing Balance -Opening Balance at Sl. 5)				3349.47

- (v) Distribution schemewise admitted asset position for 6th control period is furnished below:

Table-4.7 c.5

Rs. lakh

Sl no	Particulars	2018 -19	2019 -20
A	Small Distribution schemes	2315.24	2315.24





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Sl no	Particulars	2018 -19	2019 -20
B	New Projects		
1	Distribution SCADA		1428.08
C	TOTAL (A + B)	2315.24	3743.32
D	Consumer contribution	393.85	393.85
E	Net Asset addition (C-D)	1921.39	3349.47

4.11.5 Interest on Normative Debt: IPCL has submitted a claim of Rs. 2691.02 lakh and Rs. 4336.70 lakh as interest on loan for 2018-19 & 2019-20 respectively in Form E(B) vide their additional submission dated 11.06.2020. The Commission now proceeds to assess the interest admissible on normative debt.

As per Regulation 5.4.2 of WBERC (Terms & Conditions of Tariff) Regulations, 2011 where equity employed is more than 30%, it shall be limited to 30% and the balance shall be considered as normative loan capital. Servicing of such normative loan capital is allowed at weighted average rate of actual loan drawn on the average admissible net normative debt considering opening amount and closing amount to be worked out in accordance with form 1.20 b of Annex-I of WBERC tariff Regulations, 2011. Interest on normative debt is computed after adjusting cumulative normative repayment at the beginning of the year as well as current year's normative repayment of normative debt as at form 1.20 b of Annex-I of WBERC tariff Regulations, 2011. IPCL has not considered any repayment of normative debt for 2018-19 & 2019-20 the reasons of which has not been explained. It was observed in the Order of the Commission dt 28.1.2021 for MYT 2017-18 of IPCL in case no. TP-74/16-17 that repayment of normative debt had not taken place since 2008-09. In case of actual repayment of loan, WBERC Tariff Regulation, 2011 at Regulation 5.4.2 considers a repayment period of 10 years while computing Advance against Depreciation. WBERC (Terms & Conditions of Tariff) Regulations, 2007 (now repealed) at Regulation 4.5.2 also considered repayment for a period of 10 years for actual repayment of loan while computing Advance against Depreciation. Accordingly, the cumulative repayment of normative loan up to 2012-13 was worked





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

out considering 1/10th of opening balance of normative loan in line with actual repayment of loan before adjustment of normative repayment in each year based on approved APR. Such amount was adjusted from opening normative debt of 2013-14 and thereafter repayment was worked out considering the same principle of 1/10th annual repayment. Following similar principle as already adopted in MYT 2017-18, the amount allowable towards interest on normative loan is computed in terms of Form 1.20 (b) of WBERC Tariff Regulations, 2011 as under at Table 4.7.d below:

Table 4.7 d

SI No	Particulars	Derivative	2017-18	2018-19	2019-20
			Amount in Rs. lakh		
1	Opening gross normative debt	A1	11867.38	11867.38	13212.35
2	Less Cumulative Repayment upto previous year	A2	3295.17	4152.39	4923.89
3	Opening Net Normative Debt	a=A1-A2	8572.21	7714.99	8288.46
4	Actual addition to debt for the year	b	207.00	0.00	0.00
5	Addition to the fixed assets during the year	c	-88.52	1921.39	3349.47
6	Normative addition to debt @ 70% of the addition to fixed asset during the year	d = c x 0.7	0.00	1344.97	2344.63
7	Addition to debt for the year to be considered to APR	e = higher of b and d	207.00	1344.97	2344.63
8	Additional gross normative debt during the year	F1 = e - b	0.00	1344.97	2344.63
9	less Repayment of normative debt during the year	F2	857.22	771.50	828.85
10	Net additional normative debt during the year	g = F1-F2	-857.22	573.47	1515.78
11	Closing balance of net normative debt	h = a + g	7714.99	8288.46	9804.25
12	Average balance of net normative debt	i = (a+h)/2	8143.60	8001.73	9046.36
13	Weighted average rate of interest paid on term loan during the year	j = 12.75%	0.12	0.11	0.11
14	Allowable Interest on normative debt allowed	k = j x i	955.24	898.59	1015.00
15	Closing balance of gross normative debt	B1=A1+F1	11867.38	13212.35	15556.98
16	Cumulative repayment of normative debt upto the end of the year	B2=A2+F2	4152.39	4923.89	5752.73





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

While computing interest on normative debt, asset addition and corresponding loan have been considered excluding asset of Rs. 3860.97 lakh towards cost of LILO of Santaldih - Durgapur 220KV D/C line of WBSETCL and corresponding loan of Rs. 2702.68 lakh as explained in para 4.11.2.(ii). Interest on normative debt as admitted is allocated on the basis of average GFA as below:

2018-19 -Generation: Rs. 200.54 lakh and Distribution: Rs. 698.05 lakh;

2019-20 -Generation: Rs. 208.13 lakh and Distribution: Rs. 806.87 lakh

4.11.6The Commission, thus, admits interest on capital borrowing for the year 2018-19 as below at Table 4.7.e and for the year 2019-20 at Table 4.7 f:

Table 4.7 e

Rs. lakh

2018-19

Sl No	Particulars	Amount Generation	Amount Distribution	Amount Total (Generation +Distribution)
1	Interest on actual Capital borrowing (from Table 4.7.b)	237.00	707.18	944.18
2	Interest on normative loan (from Table 4.7.e)	200.54	698.05	898.59
3	Total interest on capital borrowings (Sl. 1+ Sl. 2)	437.54	1405.23	1842.77

Table 4.7 f

Rs. lakh

2019-20

Sl No	Particulars	Amount Generation	Amount Distribution	Amount Total (Generation +Distribution)
1	Interest on actual Capital borrowing (from Table 4.7.b)	184.34	602.44	786.78
2	Interest on normative loan (from Table 4.7.e)	208.13	806.87	1015.00
3	Total interest on capital borrowings (Sl. 1+ Sl. 2)	392.47	1409.31	1801.78





सत्यमेव जयते



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

4.11.7 IPCL is directed to furnish the details of drawal and repayment alongwith purpose of each loan capital obtained, interest amount to be capitalized during each of the years and the amount of interest chargeable to Revenue Account in respective Form C commensurate with the Annual Report and Accounts with detailed disclosure during APR for the corresponding years of 2018-19 & 2019-20.

4.12 Interest on Consumers' Security Deposits

4.12.1 IPCL has projected an amount of Rs. 156.43 lakh and Rs 162.43 lakh in 2018-19 & 2019-20 respectively towards interest on consumers' security deposit. IPCL has not furnished information on Security Deposit to be held in 2018-19 & 2019-20. However, it is observed that interest on security deposit for 2017-18 was Rs. 150.43 lakh. IPCL has considered an increase of 4% in 2018-19 and another 4% in 2019-20. Accordingly, Commission admits Interest on Security Deposit for **Rs. 156.43 lakh and Rs 162.43 lakh** in 2018-19 & 2019-20 respectively as claimed by IPCL.

4.12.2 The Commission feels that this amount and the amount of cash security deposit received/ to be received from the consumers of IPCL should be invested as working capital of IPCL in its power business up to the normative level of working capital in terms of the Tariff Regulations and the balance, if any, over the normative working capital should be properly invested. IPCL is, therefore, directed to do the needful in this regard. The earnings from such investment(s) shall be considered as income from other non-tariff sources. IPCL is also directed to submit henceforth a report, supported by necessary audited data, in its applications for Annual Performance Review and also for determination of tariff showing as to how the amount of security deposits has been utilized by it. The expenditure on this account is to be booked under distribution system.

4.13 Other Finance Charges:

4.13.1 IPCL has claimed an amount of Rs. 255.00 lakh towards finance charges being Non-Convertible Debenture (NCD) issue expenses in Form 1.17(c) of the MYT petition





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

for 2018-19 & 2019-20 . Such expense is incidental to the issuance of NCD interest which has been disallowed as explained at para 4.11.3.iv earlier.

Accordingly, NCD issue expense is not considered by the Commission. No amount is, thus, being considered under 'other finance charges' in sixth control period, i.e., 2018-19 & 2019-20.

4.14 Return on Equity

4.14.1 IPCL has claimed Rs. 2028.76 lakh and 3017.73 lakh in 2018-19 and 2019-20 respectively towards return on equity. Admissible Equity base at the beginning and end of the year for 2018-19 & 2019-20 is calculated following admitted equity base in MYT 2017-18 in case no. TP-74/16-17 vide order dt 28.01.2021. IPCL, in their additional submission has projected addition to equity as Rs. 4500.00 lakh in 2018-19 and Rs. 7500.00 lakh in 2019-20 which is 30% of their proposed asset addition of Rs. 15000.00 lakh and Rs. 25000.00 lakh. The Commission has not accepted such asset addition as already discussed at para 4.11.1 (i) to (iv). The Commission while deriving equity base for 2017-18 in the tariff order for 2017-18 considered audited actuals for 2017-18 and previous years. It is observed from such previous years' figures that there was no equity addition for the years 2016-17 and 2017-18. However, equity additions for the years 2013-14 to 2015-16 stand at Rs. 2433.51 lakh, Rs. 1801.56 lakh and Rs. 2200.01 lakh respectively. The average equity addition based on these figures during the period of 2013-14 to 2015-16 comes to Rs. 2145.03 lakh which has been considered by the Commission as addition to equity for both in 2018-19 and 2019-20 for the purpose of deriving equity base as at Table 4.8.a below:

Table 4.8 a

Rs. lakh

SI. No.	Particulars	2017-18	2018-19	2019-20
1	Actual equity base at the beginning of the year	18337.23	18971.84	21116.87
2	Admissible equity base at the beginning of the year	11734.73	11708.17	12284.59
3	Actual addition to equity base during the year (from Table 4.8 a above)	634.61	2145.03	2145.03





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Sl. No.	Particulars	2017-18	2018-19	2019-20
4	Actual equity base at the end of the year (1+3)	18971.84	21116.87	23261.9
5	Net Addition to the original cost of fixed assets during the year	-88.52	1921.39	3349.47
6	Normative addition to equity base (30% of 5)	-26.556	576.417	1004.841
7	Addition to equity base considered for the year (lower of 3 and 6)	-26.556	576.417	1004.841
8	Admissible equity base considered at the end of the year (2+7)	11708.17	12284.59	13289.43
9	Average equity base for allowing returns on equity (2 + 8) / 2	11721.45	11996.38	12787.01

Note: Addition to asset has been considered as furnished at table 4.7 .c.3 and 4.7.c.4 .

4.14.2 Return of equity is computed on average equity base as determined and admitted in Table 4.8.a above.

4.14.3 As per Regulation 5.4.2 of WBERC (Terms & Conditions of Tariff) Regulations, 2011, for the purpose of determination of tariff on new capital expenditure after the notification of the abovementioned Tariff Regulations, the debt-equity ratio shall be 70: 30. Accordingly, equity base of the 12 MW Dishergarh Power Station has been computed in terms of the said Tariff Regulations of WBERC. The equity base of 12 MW Dishergarh power Station shall be 30% of admitted GFA for the plant which comes to Rs. 1996.20 lakh being 30% of admitted GFA of Rs. 6654 lakh. Similar regulation prescribing debt equity ratio of 70:30 was incorporated w.e.f. 1.4.2006 for new capital expenditure incurred after issuance of the said Regulations on 21.11.2005 vide Regulation 4.4.2 in the repealed WBERC (Terms and Conditions of Tariff) Regulation, 2005. The assets of distribution function are available in a clubbed manner comprising assets put to use prior to 1.4.2006 and after 1.4.2006 without reference to the age of the assets. Accordingly, the opening equity base in respect of Distribution function in the sixth control period has been derived on the basis of admissible closing equity base as on 31.3.2018 of the admitted MYT 2017-18 and computation for the subsequent years as furnished at Table 4.8.a above. Based on the above, the following cost center-wise allocation of equity base and return on





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

equity for generation and distribution functions are admitted in the sixth control period in 2018-19 at Table 4.8.b and in 2019-20 at table 4.8.c below:

Table - 4.8 b

Rs. lakh

Particulars	Admissible Equity Base of 2018-19		Average Equity Base of 2018-19	Return on equity (%)	Return admitted in MYT 2018-19
	Opening	Closing			
1	2	3	$(4) = [(2) + (3)]/2$	5	$(6) = (4) \times (5) / 100$
Generation: Dishergarh (New)	1996.20	1996.20	1996.20	15.5	309.41
Distribution	9711.97	10288.39	10000.18	16.5	1650.03
Total (Generation + Distribution)	11708.17	12284.59	11996.38		1959.44

Table - 4.8 c

Rs. lakh

Particulars	Admissible Equity Base of 2019-20		Average Equity Base of 2019-20	Return on equity (%)	Return admitted in MYT 2019-20
	Opening	Closing			
1	2	3	$(4) = [(2) + (3)]/2$	5	$(6) = (4) \times (5) / 100$
Generation: Dishergarh (New)	1996.20	1996.20	1996.20	15.5	309.41
Distribution	10288.39	11293.23	10790.81	16.5	1780.48
Total (Generation + Distribution)	12284.59	13289.43	12787.01		2089.89





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

4.14.4 IPCL is directed to allocate its equity base to its generating stations and distribution system based on the utilization of the same in acquiring fixed assets and to submit the same with the applications for Annual Performance Review for the corresponding years for necessary adjustments.

4.15 Depreciation:

4.15.1 IPCL has furnished projection of depreciation as Rs. 2028.54 lakh and Rs. 2348.11 lakh in 2018-19 & 2019-20 respectively at Form B submitted vide additional submission dated 11.06.2020. Such figures are not in sync with figures for depreciation submitted in Form E(B). As observed in Form B, IPCL has considered depreciation considering value of net depreciable assets of Rs. 54297.15 lakh and Rs. 63983.28 lakh for 2018-19 & 2019-20 respectively after deducting value of assets on Value of additional 3 floors of building at Salt Lake (Kolkata) including the cost of air conditioning, plant and elevator along with value of leasehold land at Salt Lake in Kolkata. However, the Commission will admit depreciation based on admissible values of fixed asset. Accordingly, the Commission will consider admissible value of gross fixed assets as worked out at Table 4.7.c.3 and 4.7.c.4 at para 4.11.4. Corresponding proportionate admissible Depreciation has been worked out on average admissible fixed assets based on opening Fixed assets and closing fixed assets of Generation and Distribution function vis-à-vis depreciation admitted in MYT 2017-18 on admitted gross fixed assets therein for respective functions. The Commission approved a cost of Rs. 6654.00 lakh for 12 MW Dishergarh new unit in 2nd stage in case no. WBERC/OA-129/11-12. No addition to such generation asset has been proposed or admitted in 2018-19 & 2019-20. Rest of the assets are considered as Distribution assets.

Based on the above facts, the Commission now determines the admissible depreciation at Table 4.9.a below:





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Table -4.9.a

Rs. lakh

Sl. No	Particulars	Tariff Order - 2017-18	Admitted 2018-19	Admitted 2019-20
1	Generation assets			
A	Opening Balance at the beginning of the year	6654.00	6654.00	6654.00
B	Closing Balance at the end of the year	6654.00	6654.00	6654.00
C	Average Assets employed during the year	6654.00	6654.00	6654.00
D	Depreciation	245.42	245.42	245.42
2	Distribution Assets			
A	Opening Balance at the beginning of the year	24392.88	24698.21	27013.45
B	Closing Balance at the end of the year	24698.21	27013.45	30756.77
C	Average Assets employed during the year	24545.55	25855.83	28885.11
D	Depreciation	917.57	966.55	1079.79
3	Total Depreciation (1d+2d)	1162.99	1211.97	1325.21

Note: Admitted value at Sl. 1D and 2 D has been computed as (Depreciation as admitted in Tariff Order 2017-18/ Admitted average fixed assets for 2017-18 x Admitted fixed assets of respective ensuing years).

4.16 **Advance Against Depreciation:**

IPCL has not projected any amount for Advance Against Depreciation in the sixth control period in 2018-19 & 2019-20. IPCL has neither furnished form C for 2018-19 & 2019-20 which shows repayment details. Commission has considered repayment at the same rate as considered in Tariff Order dt 28.1.2021 in case no. TP-74/16-17 for MYT 2017-18 based on actuals and as shown at table 4.7a and 4.7 b. Such repayment of loan is for Rs 1393.16 lakh in respect of admissible borrowings in each of the years of 2018-19 & 2019-20 at table 4.7.a comprising the sum of Rs. 444.44 lakh for Generation Function





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

and Rs. 948.72 lakh for distribution function. Out of loan repayment of Rs. 948.72 lakh for distribution function a sum of Rs. 300.07 lakh is attributable to 220 KV D/C LILO of Santaldih-Durgapur Line under the ownership of WBSETCL. Such repayment will not count for computation of advanced against depreciation as detailed under paragraph 4.11.3(ii) above.

The Commission also admitted depreciation for Rs. 1211.97 lakh and Rs. 1325.21 lakh in 2018-19 & 2019-20 respectively in para.4.15 of this order. Thus, in terms of regulation 5.6.3 of the Tariff Regulations, no advance against depreciation is allowable in the sixth control period of 2018-19 & 2019-20 in terms of formulation prescribed at Form 1.17 (e) of Annex I of WBERC Tariff Regulations, 2011 as at Table 4.9.b below:

Table-4.9. b

Rs. lakh

Sl. No.	Particulars	2018-19	2019-20
1	Total allowable repayment of loan with proportionate adjustment of 220 kV LILO of Santaldih-Durgapur line of WBSETCL	1093.09	1093.09
2	1/10 th of original loan amount net of disallowed loans	993.13	993.13
3	Maximum permissible amount of loan repayment restricted to 1/10 th of original admitted loan	993.13	993.13
4	Depreciation as admitted	1211.97	1325.21
5	Allowable Advance Against Depreciation (Sl. 3 - Sl. 4)	Nil	Nil

4.17 Taxes on Income/ Profit:

IPCL projected a sum of Rs. 689.60 lakh & Rs. 1025.70 lakh in their additional submission dated 11.06.2020 towards Taxes on Income. IPCL has not furnished any break-up of such submitted figures. In terms of the Tariff Regulations, the taxes payable on income from the core business of the applicant and other taxes under the provisions of Income Tax Act are recoverable as pass through from the consumers. The Commission admits the Income Tax for sixth control period applying MAT Rate @ 21.55% in 2018-19 @ 17.47% in 2019-20 respectively on admitted ROE for 2018-19 & 2019-20 and approved Taxes on Income as below.





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Table-4.10.a Rs Lakh

Particulars	2018-19	2019-20
	Rate (%)	Rate (%)
MAT	18.5	15
Surcharge	2.22	1.8
Sub-Total	20.72	16.8
Cess	0.83	0.67
Total	21.55	17.47
ROE Admitted	1959.44	2089.89
Income Tax Admitted	422.24	365.15

- 4.17.1 The admitted taxes on income for IPCL are allocated to generating stations and distribution system in the ratio of the admitted and allocated ROE at Table 4.10.b below:

Table 4.10.b Rs. lakh

Sl. No.	Particulars	2018-19	2019-20
1	Generation	66.67	54.06
2	Distribution systems including Transmission	355.57	311.09
3	Total (3 = 1 + 2)	422.24	365.15

- 4.17.2 The Commission directs IPCL to furnish the following documents in a comprehensive manner along with the APR petition for the year 2018-19 and 2019-20 :-

- Final Assessment Orders as available for the years as not submitted to the Commission yet.
- Audited Certificate in regard to Income Tax Assessed and Income Tax paid with corresponding credit of Income Tax for the year from 2010-11 to 2019-20.





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

4.18 Reserve for unforeseen Exigencies:

4.18.1 In terms of regulation no. 5.11 of the Tariff Regulations, generating companies and the licensees may provide and maintain a reserve up to 0.25% of the value of the gross fixed assets at the beginning of the year annually for dealing with unforeseen exigencies subject to an overall ceiling of 5% of such gross value of fixed assets. Accordingly, IPCL was allowed undernoted provisions in the tariff order since 2006 – 2007 at Table-4.11 below:

Table- 4.11

Financial Years	Order Reference	Amount (Rs. in lakh)
2006 – 2007	Order dated 15.09.2008 in Case No. APR-4/07-08	21.30
2007 – 2008	Order dated 28.05.2009 in Case No. APR-6/08-09	23.37
2008 – 2009	Order dated 26.07.2010 in Case No. APR-12/09-10	26.01
2009 – 2010	Order dated 24.08.2012 in Case No. APR-19/10-11	30.90
2010 – 2011	Order dated 26.03.2013 in Case No. APR-24/11-12	32.11
2011 – 2012	Order dated 10.09.2013 in Case No. APR-33/12-13	34.74
2012 – 2013	Order dated 02.12.2019 in Case No. APR-41/13-14	22.99
2013 – 2014	Order dated 14.02.2013 in Case No. TP 51/11-12	88.04
2014 - 2015	Order dated 21.07.2016 in Case No. TP 58/13-14	90.76
2015 – 2016	Order dated 21.07.2016 in Case No. TP 58/13-14	111.69
2016 - 2017	Order dated 21.07.2016 in Case No. TP 58/13-14	130.22
Total		612.13

4.18.2 While dealing with this item in MYT 2017-18 in the order dt 28.1.2021 in case no. TP-74/16-17, the Commission observed that as per audited Balance Sheet of IPCL as on 31.03.2018 the amount of reserve for unforeseen exigencies was Rs. 900.22 lakh including an amount of Rs. 282.97 lakh being reserve created out of interest earned through investment as 'unforeseen exigencies reserve interest'. The investment for unforeseen exigencies reserves along with 'unforeseen exigencies reserve interest' was Rs. 391.31 lakh as on 31.3.2018 as per financial statement of 2017-18. Such investment fell short of an amount of Rs. 612.13 lakh as allowed to IPCL so far as furnished at table 4.11 above. No amount was allowed in MYT 2017-18 under this head accordingly. IPCL has not furnished further information on investments of such amount in 2018-19 & 2019-20.





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

4.18.3 The Commission decides that for the sixth control period no amount will be considered under the head 'reserve for unforeseen exigencies' similar in line with MYT 2017-18,

4.18.4 IPCL is, however, directed that investment of the amounts so far created under the head must be done in accordance with the provisions of the Tariff Regulations. For failure to comply with the provisions of the referred regulation, double the amount allowed for the purpose will be deducted from the amount of return on equity, allowed to IPCL, during Annual Performance Review of any succeeding years in terms of regulation 5.11.2 of WBERC Tariff Regulations, 2011. Income from investments of Reserve for Unforeseen Exigencies as was previously directed shall be reinvested for the same purpose and shall be shown separately in the ensuing APR application or tariff, as the case may be, supported by necessary audited data. Moreover, this income should not be considered under income from non-tariff sources for the determination of Net Aggregate Revenue Requirement in APR or tariff for any year.

4.19 Interest on Working Capital

4.19.1 IPCL has not furnished Form C for 2018-19 & 2019-20. Accordingly, actual details of interest on working capital are not available. IPCL has submitted Form-C for 2017-18 as per actuals. It is observed therefrom that IPCL has utilized cash credit from Scheduled Commercial banks and short-term loan from Financial Institutions to meet up the requirement of working capital during the year 2017-18.

4.19.2 In terms of regulation 5.6.5.1 of the Tariff Regulations, working capital requirement shall be assessed on normative basis @ 10% on summation of annual fixed charges, fuel cost and power purchase cost reduced by non-cash expenses viz. depreciation, return on equity, bad debt written off, reserve for unforeseen exigencies, cash security deposit taken from consumers, etc. Accordingly, working capital requirement comes to Rs. 1641.42 lakh and Rs. 1516.20 lakh in 2018-19 & 2019-20 respectively as at sl. 13 of table 4.12.a below. As per regulation 5.6.5.2 of the Tariff Regulations, as amended, the admissible amount of interest on working capital comes to Rs.





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

184.37 lakh and Rs 170.11 lakh in 2018-19 & 2019-20 respectively as at sl. 14 of table 4.12.a below considering weighted average interest of 11.23% in 2018-19 and 11.22% in 2019-20 being lower than the short term prime lending rate of State Bank of India @ 13.85% as on 01.04.2017 and @ 13.45% as on 1.4.2018 applicable for this purpose as follows at Table -4.12.a:

Table-4.12.a

Rs. lakh

Sl. No.	Particulars	Admitted	
		2018-19	2019-20
1	Fuel & Power Purchase Cost	35488.80	34419.32
2	Net Fixed Charges excluding Interest on Working Capital	10168.62	11229.51
3	Total (1+2):	45657.42	45648.83
4	Return on Equity	1959.44	2089.89
5	Depreciation	1211.97	1325.21
6	Advance against Depreciation	0.00	0.00
7	Reserve for Unforeseen Exigencies	0.00	0.00
8	Provision for Bad Debt	0.00	0.00
9	Total (4 to 8):	3171.41	3415.11
10	Balance (3 – 9)	42486.01	42233.72
11	Normative requirement of Working Capital (10% of 10)	4248.60	4223.37
12	Less Security Deposit held at the beginning of the year	2607.17	2707.17
13	Requirement of Working Capital (11-12)	1641.42	1516.20
14	Interest allowable @ 11.23% in 2018-19 & @ 11.22% in 2019-20 on 13 above	184.37	170.11
15	Actual amount of interest on Working Capital as per Form – E(B)	768.85	1051.43
16	Admitted Interest on Working Capital (lower of Sl 14 & 15)	184.37	170.11

4.19.2 The Commission, thus, admits interest on working capital for an amount of Rs. 184.37 lakh and Rs 170.11 lakh in 2018-19 & 2019-20 respectively with the allocation to generation and distribution functions on the basis of net revenue requirement





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

excluding interest on working capital and adjustments, as follows at Table 4.12.b below:

Table- 4.12 b

Rs. lakh

A	Generation Function	2018-19	2019-20
1	Fuel Cost	2573.48	2585.04
2	Net Fixed Cost excluding interest on working capital	1441.74	1423.18
3	Net ARR excluding interest on working capital (A1+A2)	4015.22	4008.22
B	Distribution Function		
1	Purchase of Power Cost	32915.32	31834.28
2	Net Fixed Cost excluding interest on working capital	8726.88	9806.33
3	Net ARR excluding interest on working capital (B1+B2)	41642.20	41640.61
D	Net ARR excluding interest on working capital (A3+B3)	45657.42	45648.83
E	Allocation-Interest on working Capital		
1	Generation- (A3/D * E3)	16.21	14.94
2	Distribution- (B3/D * E3)	168.16	155.17
3	Admitted Interest on Capital (E 1+E 2)	184.37	170.11

4.20 Other Non-Tariff Income:

4.20.1 IPCL has projected a sum of Rs. 441.73 lakh and Rs. 365.19 lakh in 2018-19 & 2019-20 respectively as income other than sale of energy at Form 1.26 submitted vide petition dt 25.9.2019. IPCL has considered Other General receipts arising from ancillary and incidental to the business of electricity only in 2018-19. The Commission approves the following items under the head of 'Other Non-Tariff Income' considering miscellaneous income for both 2018-19 & 2019-20.

Table-4.13

Rs. lakh

Sl. No.	Particulars	2018-19	2019-20
1	Rental of Meters and other apparatus hired out	84.33	113.80
2	Income from Investments and Bank Balances	57.85	56.59
3	Surcharge for late payments	244.38	194.80
4	Other General receipts arising from ancillary and incidental to the business of electricity	55.17	55.17





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Sl. No.	Particulars	2018-19	2019-20
5	Total Admissible Other Non-Tariff Income	441.73	420.36

4.21 Interest Credit:

4.21.1 IPCL has not furnished form C for 2018-19 & 2019-20 which shows repayment details. Commission has considered repayment at the same rate as considered in Tariff Order dt 28.1.2021 in case no. TP-74/16-17 for MYT 2017-18 based on actuals and as shown at table 4.7a. Such repayment of loan is for Rs. 1393.16 lakh in respect of admissible borrowings in each of the years of 2018-19 & 2019-20 at table during the years 2017-18 comprising a sum of Rs. 444.44 lakh for Generation Function and Rs. 948.72 lakh for distribution function. Out of loan repayment of Rs. 948.72 lakh for distribution function, a sum of Rs. 300.07 lakh is attributable to 220 KV D/C LILO of Santaldih-Durgapur Line under the ownership of WBSETCL Such repayment will not count for computation of Interest Credit as detailed under paragraph 4.11.3(ii) above.

4.21.2 The Commission also admitted depreciation of Rs. 1211.97 lakh and Rs. 1325.21 lakh in 2018-19 & 2019-20 respectively in para.4.15 of this order.

4.21.3 In terms regulation 5.5.3 of the Tariff Regulations, where the actual amount of loan repayment in any year is less than the amount of depreciation admitted by the Commission, an interest credit at the rate of weighted average cost of debt is provided on such excess depreciation charged i.e. outstanding loan on the amount of excess depreciation in terms of formulation prescribed at Form 1.17 (g) of Annex I of WBERC Tariff Regulations, 2011 as at Table 4.14.a below .

Table 4.14.a Rs. lakh

Particulars	2018-19	2019-20
Depreciation	1,211.97	1,325.21
Loan Repayment	1,093.09	1,093.09
Excess of Depreciation over Repayment	118.88	232.12
Weighted Avg Rate of Interest	11.23%	11.22%





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

Particulars	2018-19	2019-20
Interest Credit	13.35	26.04

The admitted amount is allocated between Generation function and Distribution function based on admitted depreciation as below at table 4.14.b.

Table-4.14.b

Rs. lakh

Particulars	2018-19	2019-20
Generation	2.70	4.82
Distribution Loan Repayment	10.65	21.22
Interest Credit	13.35	26.04

4.22 Fixed Charges as Admitted:

4.22.1 Based on the foregoing analysis, allowable net fixed charges under different heads after adjustment of other incomes in respect of Dishergarh generating stations and distribution function of IPCL for the years 2018 – 19 & 2019-20 comes to Rs.10352.99 lakh and Rs. 11399.62 lakh respectively with cost center wise allocation as follows at Table-4.15 and as also shown in enclosed Annexure 4A.

Table-4.15

Rs. lakh

SI No	Particulars	Generation	Distribution	Total
1	Net fixed charges -2018-19	1457.95	8895.04	10352.99
2	Net fixed charges -2019-20	1438.12	9961.50	11399.62





Tariff Order of IPCL for the year 2018 - 19 and 2019 - 20

ANNEXURE - 4A

Admitted Fixed Charges

(Rs. lakh)

SI No	Particulars	Admitted 2018 -19			Admitted 2019 -20		
		Gen	Dist	Total	Gen	Dist	Total
1	Employee Cost	185.15	3545.26	3730.41	214.82	4202.50	4417.32
2	Water Charges	0.75	0.00	0.75	0.75	0.00	0.75
3	Coal & Ash Handling Expenses	84.31	0.00	84.31	90.67	0.00	90.67
4	O&M for Generating station	93.00		93.00	96.72		96.72
5	Distribution Operation & Maintenance Expenses (including consumables, payment to contract labour & staff training exp)		1069.35	1069.35		1270.08	1270.08
6	Rent, Rates & Taxes for Generating Station	14.93	0.00	14.93	16.42	0.00	16.42
7	Insurance Premium	7.26	30.84	38.10	7.26	32.23	39.49
8	Interest on Capital Borrowings	437.54	1405.23	1842.77	392.47	1409.31	1801.78
9	Interest on Consumers' Security Deposit	0.00	156.43	156.43	0.00	162.43	162.43
10	Interest on Working Capital	16.21	168.16	184.37	14.94	155.17	170.11
11	Other Finance Charges	0.00	0.00	0.00	0.00	0.00	0.00
12	Depreciation	245.42	966.55	1211.97	245.42	1079.79	1325.21
13	Advance against Depreciation	0.00	0.00	0.00	0.00	0.00	0.00
14	Taxes as per Income Tax Act	66.67	355.57	422.24	54.06	311.09	365.15
15	Return on Equity	309.41	1650.03	1959.44	309.41	1780.48	2089.89
16	Gross Fixed Charge (1 to 15)	1460.65	9347.42	10808.07	1442.94	10403.08	11846.02
	Less : Adjustment						
17	Other Non Tariff Income	0.00	441.73	441.73	0.00	420.36	420.36
18	Interest credit	2.70	10.65	13.35	4.82	21.22	26.04
19	Total (17+18)	2.70	452.38	455.08	4.82	441.58	446.40
20	Net Fixed Charge (16 - 19)	1457.95	8895.04	10352.99	1438.12	9961.50	11399.62





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

ANNEXURE-4B

Business volume parameters	2017-18	2018-19	2019-20
	[A]	[B]	[C]
Average Distribution line length (in Ckm)	941	946	951
Average Consumer Nos	2373	2954	3678

Inflation index	2018-19	2019-20
Wholesale Price Index (WPI)	4.26%	1.67%
Consumer Price Index (CPI)	5.40%	7.54%
Hibrid Index (60% WPI + 40% CPI)	4.72%	4.02%

Particulars	Sensitivity parameter	Inflation Basis	Admitted in Tariff Order	Cost/sensitivity parameter	Admissible per unit cost after inflation		Admissible cost		Claimed	
					2017-18	2017-18	2018-19	2019-20	2018-19	2019-20
[1]	[2]	[3]	[4]	[5] = [4]/[A]	[6] = [5] x (1+HI or CPI or WPI)	[7] = [6] x (1+HI or CPI or WPI)	[8] = [6] x [B]	[9] = [7] x [C]	[10]	[11]
a.Repair & Maintenance	DLL	HI	367.06	0.3900	0.4084	0.4248	386.31	403.85	609.84	724.54
b.Administrative & general Exp										
i.Rent, Rates & Taxes	DLL	HI	60.47	0.0643	0.0673	0.0700	63.66	66.55	64.11	70.52
ii. Legal & professional charges	CS	HI	110.57	0.0465945	0.04879372	0.05075523	144.14	186.66	591.34	709.61
iii. Auditors fees	DLL	HI	9.00	0.0096	0.0101	0.0105	9.55	9.98	43.76	50.32
iv. Other A&G	CS	Hi	357.22	0.15053594	0.15764124	0.16397842	465.69	603.04	1071.64	1351.35
b.Total A&G (b i to b iv)			537.26				683.04	866.23	1770.85	2181.80
c.Total O&M (a+b i to b iv)			904.32				1069.35	1270.08	2380.69	2906.34
g. Insurance	DLL	HI	29.30	0.0311	0.0326	0.0339	30.84	32.23	38.36	51.38
OVERALL O&M EXP			933.62				1100.19	1302.31	2419.05	2957.72





CHAPTER – 5

SUMMARIZED STATEMENT OF AGGREGATE REVENUE REQUIREMENT AND REVENUE RECOVERABLE THROUGH TARIFF FOR THE YEAR 2018 – 19 AND 2019 – 20

- 5.1 Based on the analyses and findings recorded in the foregoing chapters, the Commission is now drawing the statements of Aggregate Revenue Requirements (ARR) for the SIXTH control period covering the years 2018– 19 and 2019 – 20. Such summarized statements are given in Annexure 5A to this chapter.
- 5.2 The Commission, in its order for APR 2012- 2013 dated 02.12.2019 in Case No. APR-41/13-14 has determined that an amount of Rs. 2035.70 lakh has been recovered by IPCL in excess of admissible revenue as determined by the Commission for the year 2012-13. The Commission now decides to adjust the entire amount of over recovery with the ARR of the year 2018 – 19 under the sixth control period.
- 5.3 The Commission, in its order for APR 2013 - 2014 dated 27.11.2020 in Case No. FPPCA-69/14-15 & APR-47/14-15 has determined that an amount of Rs. 3138.17 lakh has been recovered by IPCL in excess of admissible revenue as determined by the Commission for the year 2013 - 14. The Commission now decides to adjust an amount of of Rs. 1296.15 lakh as partial over recovery with the ARR of the year 2018 – 19 (of Rs. 1183.71 lakh) and with the ARR of the year 2019-20 (of Rs. 112.44 lakh) under the sixth control period. Remaining amount of over recovery i.e. Rs. 1842.02 lakh (Rs. 3138.17 lakh – Rs. 1296.15 lakh) will be adjusted with the ARR of next control period.
- 5.4 The Commission in its review order dated 16.04.2021 in Case No. OA-293/18-19 admitted Rs. 98.36 lakh as additional recoverable on account of Fuel cost. The Commission now decides to adjust the same with the ARR of the year 2019 -20.





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

- 5.5 Accordingly, the Commission has worked out the revenue recoverable through tariff from the consumers and average tariff for the year 2018–19 and 2019 – 20 and the same are as follows:

Average Tariff For Sixth Control Period				
Sl. No.	Particulars	Unit	2018 -19	2019 -20
1	Aggregate Revenue Requirement (ARR) (As per Annexure 5A and 5B)	In Rs. lakh	45841.79	45818.94
2	Less: Amount adjusted on over recovery for 2012-13(as per paragraph 5.2 above)	In Rs. lakh	2035.70	
3	Less : Amount adjusted on overrecovery for 2013-14 (as per paragraph 5.3 above)	In Rs. lakh	1183.71	112.44
4	Add: Adjustment of additional recoverable (as per paragraph 5.4 above)	In Rs. lakh		98.36
5	Net Aggregate Revenue Requirement (1-2-3 +4)		42622.38	45804.86
6	Energy sale to the consumers	MU	792.21	863.45
7	Average tariff for the consumers (Sl.4 x 10 ÷ Sl. 5)	Paisa/ kWhr	538.02	530.49

- 5.6 The Financial Years 2018 -19 and 2019 – 20 have passed by. For the year 2018 – 19, the existing tariff at the existing rate is sufficient to recover the ARR including adjustments of APR 2012 – 13 and partial adjustment of APR 2013 -14 as detailed in paragraph 5.5 above. For 2019 -20, the derived rate including partial adjustment of APR 2013 -14 as detailed in paragraph 5.5 and adjustment of additional recoverable on account of Fuel cost as detailed in paragraph 5.4 above comes out to be less than the existing tariff. Any variation in recovery will be dealt with suitably during truing up exercise for 2018 – 19 and 2019 – 20.
- 5.7 The Commission provides the detailed tariff schedule and associated terms and conditions of tariff both for 2018 – 2019 and 2019 – 2020 in Chapter - 6 of this order.





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

ANNEXURE – 5A

TOTAL AGGREGATE REVENUE REQUIREMENT

SI No	Particulars	2018 – 19		2019 – 20	
		Projected	Admitted	Projected	Admitted
1	Fuel cost	2,647.40	2,573.48	2,912.14	2,585.04
2	Power purchase cost	44592.13	32915.32	62056.61	31834.28
3	Employee Cost (excl contract labour & training exp)	5284.29	3730.41	6605.36	4417.32
4	Water Charges	0.75	0.75	0.75	0.75
5	Coal & Ash Handling Expenses	153.69	84.31	169.06	90.67
6	O&M for Generating station	183.80	93.00	211.36	96.72
7	Distribution Operation & Maintenance Expenses (including consumables, payment to contract labour & staff training exp)	2380.69	1069.35	2906.34	1270.08
8	Rent, Rates & Taxes for Generating Station	14.93	14.93	16.42	16.42
9	Insurance Premium	45.62	38.10	58.64	39.49
10	Interest on Capital Borrowings	2691.02	1842.77	4336.70	1801.78
11	Interest on Consumers' Security Deposit	156.43	156.43	162.43	162.43
12	Interest on Working Capital	768.85	184.37	1051.43	170.11
13	Other Finance Charges	255.00	0.00	255.00	0.00
14	Depreciation	2029.14	1211.97	2351.50	1325.21
15	Advance against Depreciation	0.00	0.00	0.00	0.00
16	Taxes as per Income Tax Act	689.60	422.24	1025.70	365.15
17	Return on Equity	2028.76	1959.44	3017.73	2089.89
18	Gross Aggregate Revenue Requirement (1 to 17)	63,922.10	46296.87	87,137.17	46265.34
	Less: Adjustments				
19	Less: Other Non Tariff Income	441.73	441.73	365.19	420.36
20	Less: Interest credit	0.00	13.35	0.00	26.04
21	Total (19+20)	441.73	455.08	365.19	446.40
22	Net Aggregate Revenue Required (28 - 21)	63,480.37	45,841.79	86,771.98	45,818.94





CHAPTER – 6 TARIFF ORDER FOR 2018-19 and 2019 -20

- 6.1 As mentioned in the previous chapters, the Commission, in accordance with the Tariff Regulations, has determined the Aggregate Revenue Requirement (ARR) for the sixth control period covering the years 2018 – 19 and 2019 – 20 and the revenue recoverable through tariff during the year 2018 – 19 and 2019 – 20. The Commission has also determined the average tariff for the consumers for 2018 – 19 and 2019 – 20. The tariff schedule applicable to the consumers in 2018 – 19 and 2019 – 20 and the associated terms and conditions have been included in this chapter.
- 6.2 IPCL, in their petition, has proposed a new HT tariff category namely "Assured consumer category" to retain consumers from moving on to open access mode. The Commission observes that, open access is a right to consumer allowed in the Electricity Act 2003 and further in terms of clause(4) of section 62 of the Electricity Act 2003 no undue preference shall be made while determining tariff to any consumer of electricity except on account of consumer's load factor, power factor, voltage, consumption during specific period or time-of day, geographical position, nature of supply and purpose for which supply is required. Accordingly, applicable class/category of consumers for tariff purpose has been specified, based on voltage level and nature of supply has been specified in the Tariff Regulations under Annexure-C1. Thus, the Commission restricts the consumer category to the extent allowed in the Tariff Regulations.
- 6.3 **Tariff schedule and conditions of tariff for consumers of IPCL during 2018 -19:**
- 6.3.1 Considering the analysis made in paragraph 5.6 in previous chapter, the Commission proposes no change in the tariff schedule and other terms and conditions of tariff for the year 2018 – 19 from that of 2017 -18. The Tariff schedule for 2018 – 19 is given in Annexure 6A1 for LV & MV consumers and in Annexure 6A2 for HV & EHV consumers. The other terms and conditions as per tariff order for the year 2017 -18 shall continue during the year 2018 -19.





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

- 6.3.2 All the rates and conditions of tariff for 2018 - 19 shall be effective from 01.04.2018 to 31.03.2019. For 2018 - 19, the consumers shall have to pay the rates mentioned in Annexure 6 A1 and Annexure 6 A2 of this order excluding the Monthly Variable Cost Adjustment (MVCA), if any, realized by IPCL.
- 6.4 **Tariff schedule and conditions of tariff for consumers of IPCL during 2019 – 20:**
- 6.4.1 For the year 2019 - 20, the Commission determines the tariff schedule for IPCL considering the revenue recoverable from the consumers. Accordingly, the Tariff schedule for 2019 – 20 is given in Annexure 6 B1 for LV & MV consumers and Annexure 6 B2 for HV & EHV consumers of this order excluding the Monthly Variable Cost Adjustment (MVCA), if any, realized by IPCL.
- 6.4.2 Other terms and conditions of the tariff as per tariff order for the year 2017 -18 shall continue during the year 2019 -20.
- 6.4.3 All the rates and conditions of tariff for 2019 - 20 shall be effective from 01.04.2019 and will continue till further order of the Commission subject to the following new category applicable from date of issuance of this order:
- (i) Tariff for Electric Vehicle Charging station shall be at single part tariff of 530.49 paisa /kWh;
- 6.5 IPCL is directed to make adjustments, if any, for over recovery or under recovery for the years 2018– 19 and 2019 - 20 from respective consumers as per the tariff declared under this order vis-à-vis the actual amount paid by the consumer during the period. Such adjustment shall be made in 12 (twelve) equal monthly installments through subsequent energy bills and such adjustment will start from the energy bills raised immediately next billing cycle from issuance of this order.
- 6.6 There shall be no separate monthly variable cost adjustment (MVCA) for the years 2018– 19 and 2019 - 20. The MVCA realized during the years, if any, shall be





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

adjusted in computation of adjustments for over/under recovery as mentioned in paragraphs 6.5 above. However, IPCL shall be entitled to realize MVCA in terms of Tariff Regulations for any subsequent period after issuance of this order.

- 6.15 Any matter, which has not been explicitly mentioned in this order, shall be guided by regulations 2.9.8 and 2.9.9 of the Tariff Regulations subject to fulfilling condition under paragraph 6.16.
- 6.16 The petitioner shall clearly indicate in the consumer/consumer's bill (a) the amount payable in terms of the tariff determined by the Commission (b) the amount of the state government subsidy if any and (c) the net amount payable as per provisions of the Tariff Regulations.
- 6.17 This order passed by the Commission shall be subject to any order which may be passed by the Hon'ble Division Bench in High Court at Calcutta in MAT 1643 of 2015.
- 6.18 It is open to the State Government to grant any subsidy to any consumer or any class of consumers in the tariff determined by the Commission for the petitioner. If at all any such subsidy under the provisions of the Act is intimated to the petitioner and to the Commission by the Government of West Bengal with clear indication of the consumer or class of consumers to be subsidized and the amount of the subsidy proposed to be given is paid in advance, the tariff of such consumer and / or the class of consumers shall be deemed to have been reduced accordingly as will be indicated by the State Government. However, such direction of the State Government shall not be operative till the payment is made by the State Government in accordance with the provisions of the Act and the Regulations made thereunder, and the tariff as fixed by the Commission shall remain applicable. In accordance with the Tariff Regulations, the State Government is required to communicate within 15 days from the date of receipt of a tariff order, whether it shall give any subsidy to any group of consumers etc.
- 6.19 The petitioner shall present to the Commission a gist of this order in accordance with regulation 2.9.6 of the Tariff Regulations within seven working days from the date of

West Bengal Electricity Regulatory Commission



67
Certified true Copy



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

receipt of this order for approval of the Commission and on receipt of the approval, the approved gist shall be published in terms of aforesaid regulation within four working days from the date of receipt of the approval of the Commission.



Certified Copy



LOW AND MEDIUM VOLTAGE CONSUMERS

(For the Year 2018-19)

Tariff Order of IPCL for 2018 - 2019

Annexure -6A1



Sl No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Applicable Tariff Scheme			Optional Tariff Scheme - I						Optional Tariff Scheme - II														
				Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * In Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * In Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * In Rs/ KVA/ mon											
1.	Lifeline (Domestic)	D (LL)	Normal	All Units	280	5	D(L,lp)	Prepaid	All Units	Not Applicable	All Units	485	15	C(L,lp)(ib)	Prepaid - TOD	All units	527	30									
																			First	34	357	06.00 hrs to 17.00 hrs	All units	535	06.00 hrs to 17.00 hrs	All units	527
																			Next	26	416	17.00 hrs to 23.00 hrs	All units	590	17.00 hrs to 23.00 hrs	All units	589
																			Next	40	515	23.00 hrs to 06.00 hrs	All units	486	23.00 hrs to 06.00 hrs	All units	484
																			Next	100	534						
2.	Domestic (Rural) or Domestic (Urban)	D(L)	Normal	All Units	587	15	D(L,pp)	Prepaid	All Units	Not Applicable	All Units	485	15	C(L,fp)(ia)	Prepaid - TOD	All units	527	30									
																			Next	26	416	06.00 hrs to 17.00 hrs	All units	535	06.00 hrs to 17.00 hrs	All units	527
																			Next	40	515	17.00 hrs to 23.00 hrs	All units	590	17.00 hrs to 23.00 hrs	All units	589
																			Next	100	534	23.00 hrs to 06.00 hrs	All units	486	23.00 hrs to 06.00 hrs	All units	484
																			Next	300	587						
3.	Commercial (Rural) or Commercial (Urban) below 30 KVA	C(L)(ia)	Normal	All Units	420	30	C(L)(ia)	Normal TOD	All units	Not Applicable	All units	535	30	C(L)(ia)	Prepaid - TOD	All units	527	30									
																			First	60	420	06.00 hrs to 17.00 hrs	All units	535	06.00 hrs to 17.00 hrs	All units	527
																			Next	40	489	17.00 hrs to 23.00 hrs	All units	590	17.00 hrs to 23.00 hrs	All units	589
																			Next	50	527	23.00 hrs to 06.00 hrs	All units	486	23.00 hrs to 06.00 hrs	All units	484
																			Next	150	557						
4.	Commercial (Rural) / Commercial (Urban) 30 KVA and above	C(L)(ib)	Normal	All Units	552	30	C(L)(ib)	Normal TOD	All units	Not Applicable	All units	606	30	C(L)(ib)	Prepaid - TOD	All units	604	30									
																			First	60	420	06.00 hrs to 17.00 hrs	All units	535	06.00 hrs to 17.00 hrs	All units	527
																			Next	40	489	17.00 hrs to 23.00 hrs	All units	590	17.00 hrs to 23.00 hrs	All units	589
																			Next	50	527	23.00 hrs to 06.00 hrs	All units	486	23.00 hrs to 06.00 hrs	All units	484
																			Next	300	567						

Certified true Copy



West Bengal Electricity Regulatory Commission



LOW AND MEDIUM VOLTAGE CONSUMERS
(For the Year 2018-19)



Tariff Order of IPCL for 2018 - 2019
Annexure -6A1

Sl No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Applicable Tariff Scheme				Optional Tariff Scheme																									
				Monthly consumption in KWH	Energy Charge Pk/Wh	Fixed Charge/ Demand Charge * In Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II																						
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge Pk/Wh	Fixed Charge/ Demand Charge * In Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge Pk/Wh	Fixed Charge/ Demand Charge * In Rs/ KVA/ mon																	
5.	Irrigation	Rate C(1a)	Normal TOD	06.00 hrs to 17.00 hrs	All units	320	24	Rate C(1a)pp	Pre-Paid TOD	06.00 hrs to 17.00 hrs	All units	315	24	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable													
				17.00 hrs to 23.00 hrs	All units	600				17.00 hrs to 23.00 hrs	All units	590									24	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable				
				23.00 hrs to 06.00 hrs	All units	240				23.00 hrs to 06.00 hrs	All units	230																		24	Not Applicable	Not Applicable	Not Applicable
6.	Commercial Planitation	Rate A/Cm- P(1p)	Prepaid-TOD	06.00 hrs to 17.00 hrs	All units	507	46	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable													
				17.00 hrs to 23.00 hrs	All units	770															46	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				23.00 hrs to 06.00 hrs	All units	300																											
7.	Short Term Irrigation Supply	Rate C (stip1)	Prepaid-TOD	06.00 hrs to 17.00 hrs	All units	360	24	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable													
				17.00 hrs to 23.00 hrs	All units	750															24	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				23.00 hrs to 06.00 hrs	All units	240																											



Certified true Copy



LOW AND MEDIUM VOLTAGE CONSUMERS

(For the Year 2018-19)



Tariff Order of IPCL for 2018 - 2019

Annexure -6A1

Sl No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Applicable Tariff Scheme				Optional Tariff Scheme - I				Optional Tariff Scheme - II												
				06.00 hrs to 17.00 hrs	17.00 hrs to 23.00 hrs.			Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon						
																							Rate GS(L)	Rate STLLT	Prepaid - TOD	Normal	On all Units	357
8.	Short Term supply for Commercial Plantation	Rate A (Cm- StPpp)	Pre-paid TOD	06.00 hrs to 17.00 hrs	17.00 hrs to 23.00 hrs.	All units	540	46	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon
				23.00 hrs to 06.00 hrs	All units	310		Not Applicable																				
9.	Short-term Supply	Rate STLLT	Prepaid - TOD	06.00 hrs to 17.00 hrs	17.00 hrs to 23.00 hrs.	All units	540	46	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon
				23.00 hrs to 06.00 hrs	All units	502		Not Applicable																				
10.	Government School, Government aided School or Government Sponsored School	Rate GS(L)	Normal	06.00 hrs. - 17.00 hrs. & 20.00 hrs. - 23.00 hrs.	17.00 hrs. to 20.00 hrs.	All units	357	20	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon
				23.00 hrs. to 06.00 hrs	All units	357		Not Applicable																				

Certified true Copy



LOW AND MEDIUM VOLTAGE CONSUMERS

(For the Year 2018-19)

Tariff Order of IPCL for 2018 - 2019

Annexure -6A1



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional Tariff Scheme														
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II									
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWH	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon					
11.	Public Utility/ Specified Institution/ Public Bodies Municipal or Non-Municipal	Rate PU(LT)	Normal	On all Units	395	30	Rate PUpp (LT)	Prepaid	On all Units	367	30	Rate PUpp (LT)	Prepaid TOD	06.00 hrs - 17.00 hrs	All Units	395	22.00 hrs to 06.00 hrs	378	30		
														17.00 hrs to 23.00 hrs	All Units	435				06.00 hrs. - 17.00 hrs. & 20.00 hrs - 22.00 hrs.	352
														23.00 hrs to 06.00 hrs	All Units	367				17.00 hrs to 20.00 hrs.	
12.	Cottage Industry / Artisan / Weavers / Small production oriented establishment not run by electricity as motive power	Rate C(L)(ii)	Normal	All Units	404	30	Rate Cppt (L) (ii)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All Units	497	Not Applicable									
									17.00 hrs to 23.00 hrs	All Units	547										
									23.00 hrs to 06.00 hrs	All Units	462										
13.	Poultry, Duckery, Horticulture, Tissue culture, Floriculture, Herbal - Medicinal - Bio-diesel Plant Farming, Food Processing Unit	Rate C(L)(iii)	Normal	All Units	506	30	Rate Cppt (L) (iii)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All Units	497	Not Applicable									
									17.00 hrs to 23.00 hrs	All Units	547										
									23.00 hrs to 06.00 hrs	All Units	462										



Certified true COPY



LOW AND MEDIUM VOLTAGE CONSUMERS

(For the Year 2018-19)

Tariff Order of IPCL for 2018 - 2019

Annexure -6A1



Sl No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I		Optional Tariff Scheme - II						
				Consumer category	Name of the Tariff Scheme			Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	
14.	Public Water Works & Sewerage System	Rate B (II)	Normal	All Units	405	24	Rate B (II) ppt	Prepaid - TOD	06:00 hrs to 17:00 hrs	All Units	397	24	Not Applicable	Not Applicable	Not Applicable	
									17:00 hrs to 23:00 hrs	All Units	555					
15.	Industry (Rural) or Industry (Urban)	Rate (L)	Normal	Above	500	523	Rate II(L)	Normal - TOD	06:00 hrs to 17:00 hrs	All Units	466	30	Not Applicable	Not Applicable	Not Applicable	
									17:00 hrs to 23:00 hrs	All Units	654					
									23:00 hrs to 06:00 hrs	All Units	315					
16.	Street Lighting	Rate D(1)	Normal	On all Units	460	24	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	
17.	Street Lighting with LED	Rate D(6)	Normal	On all Units	370	24	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
18.	Private Educational Institutions and Hospitals	Rate S (L)	Normal	On all Units	492	54	Rate St (L)	Normal TOD	06:00 hrs to 17:00 hrs	All Units	482	54	Not Applicable	Not Applicable	Not Applicable	
									17:00 hrs to 23:00 hrs	All Units	533					
19.	Emergency Supply	Rate D (2)	Prepaid- TOD	On all Units	558	46	Not Applicable	Not Applicable	06:00 hrs to 17:00 hrs	All Units	448	Not Applicable	Not Applicable	Not Applicable	Not Applicable	
									17:00 hrs to 23:00 hrs	All Units	782					
									23:00 hrs to 06:00 hrs	All Units	440					

West Bengal Electricity Regulatory Commission



Certified true Copy



LOW AND MEDIUM VOLTAGE CONSUMERS

(For the Year 2018-19)

Annexure -6A/1

Tariff Order of IPCL for 2018 - 2019



SI No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Applicable Tariff Scheme		Optional tariff Scheme												
				Monthly consumption in KWH	Energy Charge PIK/W/h	Optional Tariff Scheme - I			Optional Tariff Scheme - II									
						Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge PIK/W/h	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge PIK/W/h	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon		
20.	Construction Power Supply	Rate D (3)	Prepaid-TOD	06:00 hrs. - 17:00 hrs. & 20:00 hrs to 23:00 hrs On all Units 501	46	46	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
21.	Co-operative Group Housing Society for providing power to its members or persons for providing power to its employees in a slum/dumakias	Rate D(4)	Normal	All units 450	54	Rate D(4)t	Normal - TOD	06:00 hrs to 17:00 hrs 17:00 hrs to 23:00 hrs 23:00 hrs to 06:00 hrs All Units 441	485	411	54	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
22.	Common Services of Industrial Estate	Rate D(5)	Prepaid - TOD	06:00 hrs. - 17:00 hrs. & 20:00 hrs to 23:00 hrs 17:00 hrs to 20:00 hrs. 23:00 hrs to 06:00 hrs On all Units 770	46	46	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Note :- * Fixed Charge will be applicable for the Consumer having Contract Demand below 50 KVA and Demand Charge will be applicable for the consumer having Contract Demand of 50 KVA and above.



Certified true Copy



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

(For the Year 2018-19)

Tariff Order for IPCL for the year 2018 - 19

ANNEXURE - 6A2

Sl No	Type of Consumer	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/ month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/ month)	
					P/kWh							P/kWh				
					Summer	Monsoon	Winter					Summer	Monsoon	Winter		
1.	Public Utility	Rate PU (H)	Normal	All Units	431	428	426	384	Rate PU (Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00	All Units	425	422	419	384
											17.00 hrs-20.00 hrs	All Units	638	633	629	
											23.00 hrs-06.00 hrs	All Units	308	307	304	
2.	Industries (50 KVA & above)	Rate I (H)	Normal	All Units	457	455	452	384	Rate I (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	447	444	440	384
											17.00 hrs-23.00 hrs	All Units	611	605	600	
											23.00 hrs-06.00 hrs	All Units	312	310	307	
3.	Industries (Below 50 KVA)	Rate I-2 (H)	Normal	All Units	510	507	504	36	Rate I-2 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	502	500	497	36
											17.00 hrs-23.00 hrs	All Units	687	684	680	
											23.00 hrs-06.00 hrs	All Units	317	314	313	
4.	Industries (33KV) (For CD below 10 MVA)	Rate I-3 (H)/A	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	All Units All Units All Units	419 416 413	384	384	Not Applicable							



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

(For the Year 2018-19)

Tariff Order for IPCL for the year 2018 - 19

ANNEXURE - 6A2



Sl No	Type of Consumer	Applicable Tariff Scheme										Optional Tariff Scheme				
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH			Energy Charge P/KWh			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/KWh		
06.00 hrs-17.00 hrs	17.00 hrs-23.00 hrs			All Units	Summer	Monsoon	Winter	Summer	Monsoon					Winter		
5.	Industries (33KV) (For CD 10 MVA and above)	Rate I-3 (H)B	Normal - TOD	06.00 hrs-17.00 hrs	17.00 hrs-23.00 hrs	All Units	419	416	413	384	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				23.00 hrs-06.00 hrs	All Units	594	591	554								
				06.00 hrs-17.00 hrs	All Units	305	303	302								
6.	Industries (132KV and above) (For CD below 25 MVA)	Rate I-4 (H)A	Normal - TOD	06.00 hrs-17.00 hrs	17.00 hrs-23.00 hrs	All Units	417	415	412	384	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				23.00 hrs-06.00 hrs	All Units	590	587	583								
				06.00 hrs-17.00 hrs	All Units	305	303	302								
7.	Industries (132KV and above) (For CD 25 MVA and above)	Rate I-4 (H)B	Normal - TOD	06.00 hrs-17.00 hrs	17.00 hrs-23.00 hrs	All Units	417	415	412	384	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				23.00 hrs-06.00 hrs	All Units	590	587	583								
				06.00 hrs-17.00 hrs	All Units	305	303	302								
8.	Community Irrigation/ Irrigation	Rate AI (H)	Normal - TOD	06.00 hrs-17.00 hrs	17.00 hrs-23.00 hrs	All Units	518	512	506	36	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				23.00 hrs-06.00 hrs	All Units	800	791	783								
				06.00 hrs-17.00 hrs	All Units	306	303	301								



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

(For the Year 2018-19)

Tariff Order for IPCL for the year 2018 - 19
ANNEXURE - 6A2



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme									
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/month)
Rate S (cp)	Normal - TOD			Summer	Monsoon	Winter	P/KWh	P/KWh				Summer	Monsoon	Winter			
9.	Commercial Plantation	Rate S (cp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	428	426	424	384	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				17.00 hrs-23.00 hrs	All Units	599	596	593									
				23.00 hrs-06.00 hrs	All Units	305	302	301									
10.	Short Term Irrigation Supply	Rate S (stis)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	518	512	506	36	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				17.00 hrs-23.00 hrs	All Units	800	791	783									
				23.00 hrs-06.00 hrs	All Units	306	303	301									
11.	Short Term Supply for Commercial Plantation	Rate S(step)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	430	428	426	384	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				17.00 hrs-23.00 hrs	All Units	600	597	594									
				23.00 hrs-06.00 hrs	All Units	306	304	302									
12.	Commercial	Rate C (H)	Normal	All Units	468	465	462	384	Rate C (H)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	462	458	454	384	
											17.00 hrs-23.00 hrs	All Units	467	641	635		
											23.00 hrs-06.00 hrs	All Units	312	310	307		
13.	Domestic	Rate D (H)	Normal	All Units	559	556	553	36	Rate D (H)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	513	508	503	36	
											17.00 hrs-23.00 hrs	All Units	608	602	596		
											23.00 hrs-06.00 hrs	All Units	513	508	503		

West Bengal Electricity Regulatory Commission



Certified true Copy



HIGH & EXTRA HIGH VOLTAGE CONSUMERS
(For the Year 2018-19)



Tariff Order for IPCL for the year 2018 - 19
ANNEXURE - 6A2

Sl No	Type of Consumer	Customer category	Name of the Tariff Scheme	Consumption per month in KWH			Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH			Energy Charge			Demand Charge (Rs./KVA/month)
				Applicable Tariff Scheme	Optional Tariff Scheme	Summer	Monsoon	Winter	Summer				Monsoon	Winter					
14.	Public Water Works & Sewerage	Rate PWW (H)	Normal	All Units	444	439	436	384	Rate PWW(H)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	438	433	429	384			
15.	Sports Complex & Auditorium run by Govt/ local bodies for cultural affairs	Rate S (c)	Normal	All Units	361	351	341	29	Not Applicable	Not Applicable	Not Applicable	All Units	312	309	307				
16.	Cold storage or Dairy with Chilling Plant	Rate S (pi)	Normal	All Units	402	397	392	384	Rate S (pit)	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	All Units All Units All Units	397 556 308	391 548 304	385 540 302	384			
17.	Emergency Supply	Rate E (em)	Normal - TOD	All Units	476	474	472	384	Not Applicable	Not Applicable	Not Applicable	All Units	666	664	661	320			

West Bengal Electricity Regulatory Commission

Not Applicable

Not Applicable



Certified True Copy



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

(For the Year 2018-19)

Tariff Order for IPCL for the year 2018 - 19
ANNEXURE - 6A2



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme								
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/KWh			Demand Charge (Rs./KVA/ month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/KWh			Demand Charge (Rs./KVA/ month)	
Summer	Monsoon				Winter	Summer	Monsoon					Winter				
18.	Construction Power Supply	Rate E (con)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	468	467	465	384	Not Applicable						
				17.00 hrs-20.00 hrs	All Units	655	653	650								
				23.00 hrs-06.00 hrs	All Units	433	431	429								
19.	Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises	Rate S (co)	Normal	All Units		544	541	538	35	Rate S (cot)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	539	533	528
												17.00 hrs-23.00 hrs	All Units	593	587	580
												23.00 hrs-06.00 hrs	All Units	552	545	539



Certified True Copy



HIGH & EXTRA HIGH VOLTAGE CONSUMERS
(For the Year 2018-19)

Tariff Order for IPCL for the year 2018 - 19
ANNEXURE - 6A2



Sl No	Type of Consumer	Customer category	Name of the Tariff Scheme	Consumption per month in KWH			Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH			Energy Charge			Demand Charge (Rs./KVA/month)
				Normal - TOD	17.00 hrs- 20.00 hrs to 23.00 hrs	All Units	Summer	Monsoon	Winter				P/kWh	Summer	Monsoon	Winter	P/kWh	Summer	
20.	Common Services of Industrial Estate	Rate - E (ict)	Normal - TOD	06.00 hrs- 17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	478	475	473	384			Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
21.	Traction	Rate T	Normal	All Units	All Units	460	456	452	384			Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
22.	Short-term Supply	Rate S (ST)	Normal - TOD	06.00 hrs- 17.00 hrs 17.00 hrs- 23.00 hrs 23.00 hrs- 06.00 hrs	All Units All Units All Units	476 666 317	474 664 315	472 661 313	384			Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
23.	Private Educational Institutions	Rate E (ei)	Normal	All Units	All Units	405	402	400	384			Rate E(ei)	Normal - TOD	06.00 hrs- 17.00 hrs 17.00 hrs- 23.00 hrs 23.00 hrs- 06.00 hrs	All Units All Units All Units	400 440 372	394 434 367	390 429 363	384



Certified True Copy



LOW AND MEDIUM VOLTAGE CONSUMERS

(For the Year 2019-20)

Tariff Order of IPCL for 2019 - 2020

Annexure -6B1



Sl No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Applicable Tariff Scheme			Optional Tariff Scheme - I						Optional Tariff Scheme - II															
				Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon												
1.	Lifetime (Domestic)	D (LL)	Normal	All Units	272	5	D(Lp)	Prepaid	All Units	Not Applicable	All units	527	15	C(Ltp)(ta)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	519	30									
																				First	34	349	06.00 hrs to 17.00 hrs	All units	527	06.00 hrs to 17.00 hrs	All units	519
																				Next	26	408	17.00 hrs to 23.00 hrs	All units	582	23.00 hrs to 06.00 hrs	All units	478
																				Next	40	507	06.00 hrs to 17.00 hrs	All units	543	17.00 hrs to 23.00 hrs	All units	598
																				Next	100	526	17.00 hrs to 23.00 hrs	All units	543	06.00 hrs to 17.00 hrs	All units	598
2.	Domestic (Rural) or Domestic (Urban)	D(L)	Normal	All Units	579	15	D(Lp)	Prepaid	All Units	Not Applicable	All units	477	15	C(Ltp)(ta)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	476	30									
																				Next	100	550	17.00 hrs to 23.00 hrs	All units	477	23.00 hrs to 06.00 hrs	All units	476
																				Next	300	579	06.00 hrs to 17.00 hrs	All units	477	17.00 hrs to 23.00 hrs	All units	476
																				Next	40	507	17.00 hrs to 23.00 hrs	All units	582	06.00 hrs to 17.00 hrs	All units	598
																				Next	100	526	17.00 hrs to 23.00 hrs	All units	582	06.00 hrs to 17.00 hrs	All units	598
3.	Commercial (Rural) or Commercial (Urban) below 30 KVA	C(L)(ia)	Normal	All Units	544	30	C(L)(ia)	Normal TOD	All units	Not Applicable	All units	527	30	C(Ltp)(ta)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	519	30									
																				Next	50	519	17.00 hrs to 23.00 hrs	All units	582	23.00 hrs to 06.00 hrs	All units	478
																				Next	150	549	06.00 hrs to 17.00 hrs	All units	543	17.00 hrs to 23.00 hrs	All units	598
																				Next	300	559	17.00 hrs to 23.00 hrs	All units	543	06.00 hrs to 17.00 hrs	All units	598
																				Above	300	559	17.00 hrs to 23.00 hrs	All units	543	06.00 hrs to 17.00 hrs	All units	598
4.	Commercial (Rural) / Commercial (Urban) 30 KVA and above	C(L)(ib)	Normal	All Units	544	30	C(L)(ib)	Normal TOD	All units	Not Applicable	All units	455	30	C(Ltp)(tb)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	453	30									
																				Next	300	559	17.00 hrs to 23.00 hrs	All units	598	23.00 hrs to 06.00 hrs	All units	453
																				Above	300	559	17.00 hrs to 23.00 hrs	All units	598	06.00 hrs to 17.00 hrs	All units	453



Certified true Copy



LOW AND MEDIUM VOLTAGE CONSUMERS

(For the Year 2019-20)

Tariff Order of IPCL for 2019 - 2020

Annexure -6B1



Sl No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/KWh	Fixed Charge/ Demand Charge * In Rs/ KVA/ mon	Optional Tariff Scheme - I		Optional Tariff Scheme - II				
				06.00 hrs to 17.00 hrs	All units			06.00 hrs to 17.00 hrs	All units	17.00 hrs to 23.00 hrs	All units	23.00 hrs to 06.00 hrs	All units	
5.	Irrigation	Rate (Cat)	Normal TOD	06.00 hrs to 17.00 hrs	All units	312	24	Rate (Catpp)	Pre-Paid TOD	06.00 hrs to 17.00 hrs	All units	307	Not Applicable	Not Applicable
				17.00 hrs to 23.00 hrs	All units	592				17.00 hrs to 23.00 hrs	All units	582		
				23.00 hrs to 06.00 hrs	All units	232				23.00 hrs to 06.00 hrs	All units	222		
6.	Commercial Plantation	Rate A/Cm- Pipp)	Prepaid- TOD	06.00 hrs to 17.00 hrs	All units	499	46	Not Applicable	Not Applicable	06.00 hrs to 17.00 hrs	All units	352	Not Applicable	Not Applicable
				17.00 hrs to 23.00 hrs	All units	762				17.00 hrs to 23.00 hrs	All units	742		
				23.00 hrs to 06.00 hrs	All units	292				23.00 hrs to 06.00 hrs	All units	232		
7.	Short Term Irrigation Supply	Rate C(stpp)	Prepaid- TOD	17.00 hrs to 23.00 hrs	All units	742	24	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	



Certified true Copy



LOW AND MEDIUM VOLTAGE CONSUMERS
(For the Year 2019-20)



Tariff Order of IPCL for 2019 - 2020
Annexure -6B1

Sl No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Applicable Tariff Scheme		Optional Tariff Scheme - I				Optional Tariff Scheme - II					
				Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh
8.	Short Term supply for Commercial Plantation	Rate A (Cm- StfPpp)	Pre-paid TOD	06.00 hrs to 17.00 hrs	All units	532	46	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				17.00 hrs to 23.00 hrs	All units	816									
				23.00 hrs to 06.00 hrs	All units	302									
9.	Short-term Supply	Rate STLT	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	532	46	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				17.00 hrs to 23.00 hrs	All units	596									
				23.00 hrs to 06.00 hrs	All units	494									
10.	Government School, Government aided School or Government Sponsored School	Rate GS(L)	Normal	On all Units	349	20	Rate GS(L,T)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	344	20	Not Applicable	Not Applicable	Not Applicable
									17.00 hrs to 20.00 hrs.	All units	380				
									23.00 hrs to 06.00 hrs	All units	333				



Certified true Copy



LOW AND MEDIUM VOLTAGE CONSUMERS

(For the Year 2019-20)

Tariff Order of IPCL for 2019 - 2020

Annexure -6B1



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional Tariff Scheme - I										Optional Tariff Scheme - II												
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon													
11.	Public Utility/ Specified Institution/ Public Bodies Municipal or Non-Municipal	Rate PU(LT)	Normal	On all Units	387	30	Rate PUPP (LT)	Prepaid	On all Units	379	30	Rate PUPP (LT)	Prepaid TOD	06,00 hrs - 17,00 hrs 17,00 hrs to 23,00 hrs 23,00 hrs to 06,00 hrs	All Units All Units All Units	387 427 359	30	Rate PUPP (LT)	Prepaid TOD	06,00 hrs to 17,00 hrs 17,00 hrs to 23,00 hrs 23,00 hrs to 06,00 hrs	All Units All Units All Units	489 539 454	30	Not Applicable	22,00 hrs to 06,00 hrs 06,00 hrs - 17,00 hrs & 20,00 hrs - 22,00 hrs 17,00 hrs to 20,00 hrs	370 409 344	30		
12.	Cottage Industry / Artisan / Weavers / Small production oriented establishments not run by electricity as motive power	Rate C(L)(ii)	Normal	All Units	396	30	Rate Cppt (L) (ii)	Prepaid - TOD	23,00 hrs to 06,00 hrs	All Units	359	30	Not Applicable	Not Applicable	Not Applicable	All Units	359	30	Not Applicable	Not Applicable	Not Applicable	All Units	359	30	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
13.	Poultry, Duckery, Horticulture, Tissue culture, Floriculture, Herbal - Medicinal - Bio-diesel Plant Farming, Food Processing Unit	Rate C(L)(iii)	Normal	All Units	498	30	Rate Cppt (L) (iii)	Prepaid - TOD	06,00 hrs to 17,00 hrs 17,00 hrs to 23,00 hrs 23,00 hrs to 06,00 hrs	All Units All Units All Units	489 539 454	30	Not Applicable	Not Applicable	Not Applicable	All Units	489 539 454	30	Not Applicable	Not Applicable	Not Applicable	All Units	489 539 454	30	Not Applicable	Not Applicable	Not Applicable	Not Applicable	



Certified true Copy



LOW AND MEDIUM VOLTAGE CONSUMERS

(For the Year 2019-20)

Tariff Order of IPCL for 2019 - 2020

Annexure -6B1



SI No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Applicable Tariff Scheme		Optional Tariff Scheme - I		Optional Tariff Scheme - II							
				Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon				
14.	Public Water Works & Sewerage System	Rate B (II)	Normal	All Units	397	24	Rate B (II) ppt	Prepaid - TOD	06.00 hrs to 17.00 hrs 17.00 hrs to 23.00 hrs 23.00 hrs to 06.00 hrs	All Units All Units All Units	389 547 297	24	Not Applicable	Not Applicable	Not Applicable
15.	Industry (Rural) or Industry (Urban)	Rate II(L)	Normal	First 500 Next 1500 Above 2000	403 515 542	30	Rate II(L)	Normal - TOD	06.00 hrs to 17.00 hrs 17.00 hrs to 23.00 hrs 23.00 hrs to 06.00 hrs	All Units All Units All Units	458 646 307	30	Not Applicable	Not Applicable	Not Applicable
16.	Street Lighting	Rate D(1)	Normal	On all Units	452	24	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
17.	Street Lighting with LED	Rate D(6)	Normal	On all Units	362	24	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
18.	Private Educational Institutions and Hospitals	Rate S (L)	Normal	On all Units	484	54	Rate S(L)	Normal TOD	06.00 hrs to 17.00 hrs 17.00 hrs to 23.00 hrs 23.00 hrs to 06.00 hrs	All Units All Units All Units	474 525 440	54	Not Applicable	Not Applicable	Not Applicable
19.	Emergency Supply	Rate D (2)	Prepaid- TOD	06.00 hrs to 17.00 hrs 17.00 hrs to 23.00 hrs 23.00 hrs to 06.00 hrs	550 774 432	46	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

West Bengal Electricity Regulatory Commission



Certified true Copy



LOW AND MEDIUM VOLTAGE CONSUMERS

(For the Year 2019-20)

Tariff Order of IPCL for 2019 - 2020

Annexure -6B1



SI No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II			
				06.00 hrs. - 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units			Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH
20.	Construction Power Supply	Rate D (3)	Prepaid-TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units	493	46	Not Applicable				Not Applicable			
21.	Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a similar categories	Rate D(4)	Normal	All units	442	54	Rate D(4)I	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	433	54	Not Applicable	Not Applicable	
									17.00 hrs to 23.00 hrs	All Units	477				
22.	Common Services of Industrial Estate	Rate D(5)	Prepaid - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units	542	46	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
				17.00 hrs to 20.00 hrs.	On all Units	762									
				23.00 hrs to 06.00 hrs	On all Units	419									

Note :- * Fixed Charge will be applicable for the Consumer having Contract Demand below 50 KVA and Demand Charge will be applicable for the consumer having Contract Demand of 50 KVA and above.



Certified true Copy



HIGH & EXTRA HIGH VOLTAGE CONSUMERS
(For the Year 2019-20)

Tariff Order for IPCL for the year 2019 - 20
ANNEXURE - 6B2



Type of Consumer	Applicable Tariff Scheme	Optional Tariff Scheme												
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/KWh			Demand Charge (Rs./KVA/month)						
					Summer	Monsoon	Winter							
Public Utility	Rate PU (H)	Normal	All Units	423	420	418	384	Rate PU (Ht)	Normal - TOD	All Units	417	414	411	384
Industries (50 KVA & above)	Rate I (H)	Normal	All Units	449	447	444	384	Rate I (Ht)	TOD	All Units	439	436	432	384
Industries (Below 50 KVA)	Rate I-2 (H)	Normal	All Units	502	499	496	36	Rate I-2 (Ht)	TOD	All Units	494	492	489	36
Industries (33KV) (For CD below 10 MVA)	Rate I-3 (H)A	Normal - TOD	All Units	411	408	405	384	Not Applicable	Not Applicable	All Units	309	306	305	384



Certified true Copy

HIGH & EXTRA HIGH VOLTAGE CONSUMERS
(For the Year 2019-20)



Type of Consumer	Customer category	Name of the Tariff Scheme	Consumption per month in KWH			Energy Charge P/KWh			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH			Energy Charge P/KWh			Demand Charge (Rs./KVA/month)
			06.00 hrs-17.00 hrs	17.00 hrs-23.00 hrs	23.00 hrs-06.00 hrs	All Units	Summer	Monsoon				Winter	06.00 hrs-17.00 hrs	17.00 hrs-23.00 hrs	23.00 hrs-06.00 hrs	All Units	Summer	
Industries (33KV) (For CD 10 MVA and above)	Rate I-3 (H)B	Normal - TOD	06.00 hrs-17.00 hrs	All Units	411	408	405	384	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	
			17.00 hrs-23.00 hrs	All Units	586	583	546											
			23.00 hrs-06.00 hrs	All Units	297	295	294											
Industries (132KV and above) (For CD below 25 MVA)	Rate I-4 (H)A	Normal - TOD	06.00 hrs-17.00 hrs	All Units	409	407	404	384	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	
			17.00 hrs-23.00 hrs	All Units	582	579	575											
			23.00 hrs-06.00 hrs	All Units	297	295	294											
Industries (132KV and above) (For CD 25 MVA and above)	Rate I-4 (H)B	Normal - TOD	06.00 hrs-17.00 hrs	All Units	409	407	404	384	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	
			17.00 hrs-23.00 hrs	All Units	582	579	575											
			23.00 hrs-06.00 hrs	All Units	297	295	294											
Community Irrigation/ Irrigation	Rate AI (H)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	510	504	498	36	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	
			17.00 hrs-23.00 hrs	All Units	792	783	775											
			23.00 hrs-06.00 hrs	All Units	298	295	293											



Certified True Copy



HIGH & EXTRA HIGH VOLTAGE CONSUMERS
(For the Year 2019-20)



Tariff Order for IPCL for the year 2019 - 20
ANNEXURE - 6B2

Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme							
	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/KWH			Demand Charge (Rs./KVA/ month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/KWH			Demand Charge (Rs./KVA/ month)	
				Summer	Monsoon	Winter				Summer	Monsoon	Winter			
Commercial Plantation	Rate S (cp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	420	418	416	384	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Not Applicable			Demand Charge (Rs./KVA/ month)
			17.00 hrs-23.00 hrs	All Units	591	588	585					Not Applicable			
			23.00 hrs-06.00 hrs	All Units	297	294	293					Not Applicable			
			06.00 hrs-17.00 hrs	All Units	510	504	498					Not Applicable			
Short Term Irrigation Supply	Rate S (stis)	Normal - TOD	17.00 hrs-23.00 hrs	All Units	792	783	775	36	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Not Applicable			Demand Charge (Rs./KVA/ month)
			23.00 hrs-06.00 hrs	All Units	298	295	293					Not Applicable			
			06.00 hrs-17.00 hrs	All Units	422	420	418					Not Applicable			
			17.00 hrs-23.00 hrs	All Units	592	589	586					Not Applicable			
Short Term Supply for Commercial Plantation	Rate S(stcp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	422	420	418	384	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Not Applicable			Demand Charge (Rs./KVA/ month)
			17.00 hrs-23.00 hrs	All Units	592	589	586					Not Applicable			
			23.00 hrs-06.00 hrs	All Units	298	296	294					Not Applicable			
			06.00 hrs-17.00 hrs	All Units	454	450	446					Not Applicable			
Commercial	Rate C (H)	Normal - TOD	17.00 hrs-23.00 hrs	All Units	459	633	627	384	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Not Applicable			Demand Charge (Rs./KVA/ month)
			23.00 hrs-06.00 hrs	All Units	304	302	299					Not Applicable			
			06.00 hrs-17.00 hrs	All Units	544	539	533					Not Applicable			
			17.00 hrs-23.00 hrs	All Units	600	594	588					Not Applicable			
Domestic	Rate D (H)	Normal - TOD	23.00 hrs-06.00 hrs	All Units	505	500	495	36	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Not Applicable			Demand Charge (Rs./KVA/ month)
			06.00 hrs-17.00 hrs	All Units	544	539	533					Not Applicable			
			17.00 hrs-23.00 hrs	All Units	600	594	588					Not Applicable			
			23.00 hrs-06.00 hrs	All Units	505	500	495					Not Applicable			



Tariff Order for IPCL for the year 2019 - 20
ANNEXURE - 6B2

HIGH & EXTRA HIGH VOLTAGE CONSUMERS
(For the Year 2019-20)

Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme								
	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/KWh			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/KWh			Demand Charge (Rs./KVA/month)	
Summer				Monsoon	Winter	Summer					Monsoon	Winter			
Public Water Works & Sewerage	Rate PWW (H)	Normal	All Units	436	431	428	384	Rate PWW(H)	Normal - TOD	06.00 hrs- 17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	430	425	421	384
				436	431	428				17.00 hrs- 20.00 hrs	All Units	605	599	593	
Sports Complex & Auditorium run by Govt/ local bodies for cultural affairs	Rate S (c)	Normal	All Units	353	343	333	29	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				353	343	333									
Cold storage or Dairy with Chilling Plant	Rate S (p)	Normal	All Units	394	389	384	384	Rate S (pit)	Normal - TOD	06.00 hrs- 17.00 hrs	All Units	389	383	377	384
				394	389	384				17.00 hrs- 23.00 hrs	All Units	548	540	532	
Emergency Supply	Rate E (em)	Normal - TOD	All Units	468	466	464	384	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
				468	466	464									



Certified true Copy



HIGH & EXTRA HIGH VOLTAGE CONSUMERS
(For the Year 2019-20)



Tariff Order for IPCL for the year 2019 - 20
ANNEXURE - 6B2

Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme										
	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/KWh			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/KWh			Demand Charge (Rs./KVA/month)			
				Summer	Monsoon	Winter				Summer	Monsoon	Winter					
Construction Power Supply	Rate E (con)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	460	459	457	384	Rate S (con)	Normal - TOD	Not Applicable						35
			17.00 hrs-20.00 hrs	All Units	647	645	642										
			23.00 hrs-06.00 hrs	All Units	425	423	421										
				All Units													
Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises	Rate S (co)	Normal	All Units	536	533	530	35	Rate S (cot)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	531	525	520	35		
				17.00 hrs-23.00 hrs	All Units	585				579	572						
				23.00 hrs-06.00 hrs	All Units	544				537	531						
					All Units												



Certified true Copy



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

(For the Year 2019-20)

Tariff Order for IPCL for the year 2019 - 20
ANNEXURE - 6B2



Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme									
	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge P/KWh			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge P/KWh			Demand Charge (Rs./KVA/month)
					Summer	Monsoon	Winter					Summer	Monsoon	Winter		
Common Services of Industrial Estate	Rate - E (ict)	Normal - TOD	06.00 hrs- 17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	470	467	465	384		Normal - TOD	06.00 hrs- 17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	392	386	382	384
			17.00 hrs- 20.00 hrs	All Units	661	657	654				17.00 hrs- 23.00 hrs	All Units	432	426	421	
			23.00 hrs- 06.00 hrs	All Units	309	307	305				23.00 hrs- 06.00 hrs	All Units	364	359	355	
			All Units	452	448	444	All Units				392	386	382			
Traction	Rate T	Normal	All Units	452	448	444	384		Normal	All Units	452	448	444	384		
Short-term Supply	Rate S (ST)	Normal - TOD	06.00 hrs- 17.00 hrs	All Units	468	466	464	384		Normal - TOD	06.00 hrs- 17.00 hrs	All Units	392	386	382	
			17.00 hrs- 23.00 hrs	All Units	658	656	653				17.00 hrs- 23.00 hrs	All Units	432	426	421	
			23.00 hrs- 06.00 hrs	All Units	309	307	305				23.00 hrs- 06.00 hrs	All Units	364	359	355	
Private Educational Institutions	Rate E (ei)	Normal	All Units	397	394	392	384		Normal - TOD	All Units	397	394	392	384		



certified true copy



CHAPTER – 7

ORDER ON WHEELING CHARGE FOR 2018 – 19 and 2019 – 20

- 7.1 The Commission in this chapter takes up the matter relating to determination of the rate of distribution wheeling charges for the year 2018 – 19 and 2019 -20 in accordance with the principles, terms and conditions laid down in Schedule - 4 to the Tariff Regulations.
- 7.2 The distribution wheeling charges represents the charges for the use of distribution systems or associated facilities of a distribution licensee for wheeling of electricity through that facility and derived based on total distribution network cost, total unit salable by the licensee to the consumers and total units wheeled for all open access customers in the network. However, IPCL has not projected any wheeling during 2018 -19 and 2019 -20 in Form 1.9 (a) of its petition.
- 7.3 The Net Aggregate Revenue Requirement for distribution Wheeling for 2018 – 19 and 2019- 2020 comes to Rs. 7637.13 lakh and Rs. 8568.94 lakh respectively after deducting the non-tariff income, interest credit and expense incidental to retail selling & distribution of energy (viz billing, collection, complaint management etc.). The detailed computation is shown in Annexure 7.
- 7.4 The total quantum of sale as admitted in chapter 3 for the years 2018-19 and 2019-20 are as below:

SL No	Particulars	2018-19	2019-20
1	Sale to own consumers (MU)	792.21	863.45
2	Energy Wheeled (MU)	0.00	0.00
	Total (MU)	792.21	863.45





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

7.5 The applicable rates of wheeling charges for the years 2018-19 and 2019-20 come to 96.40 paisa/kWh and 99.24 paisa/kwh respectively as shown below:

SL No	Particulars	Unit	2018-19	2019-20
1	Net admissible Fixed Charge related to distribution for power wheeling only (as per Annexure -7)	Rs. lakh	7637.13	8568.94
2	Total of energy wheeled (paragraph 7.4)	MU	792.21	863.45
3	Wheeling charge (1/2)	paise / kWh	96.40	99.24

7.6 In terms of the provisions contained in the West Bengal Electricity Regulatory Commission (Open Access) Regulations, 2007, as amended (hereinafter referred to as the "Open Access Regulations"), the Commission is fixing the above rate of wheeling charges and the same is to be recovered by IPCL during the year 2018 – 19 and 2019-20 onwards from the different categories of open access customers as mentioned in the said regulation including captive generators for conveyance of electricity through its distribution system for long term open access. For short term open access, the wheeling charge shall be realized as per Open Access Regulations. However, for conveyance of electricity from cogeneration and renewable energy sources, the wheeling charge shall be realized by IPCL from such open access customer as per regulation framed by the Commission on Cogeneration and Generation of Electricity from Renewable Sources of Energy.

Provided that the consumer of the distribution licensee shall not be required to pay any wheeling charge for the part of energy it is drawing not as an open access customer.

7.7 The open access customer, other than those carrying the electricity generated in captive generating plant to the destination and for the extent of their own use, shall pay cross-subsidy surcharge in addition to the distribution wheeling charge in accordance with the open access regulations. The cross-subsidy surcharge collected shall be accounted separately and shall be utilized to meet the current level of cross-subsidy. Distribution licensee shall compute the applicable cross-subsidy surcharge





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

based on the formula specified in the Open Access Regulations considering the weighted average unit cost of pooled power purchase variable cost and own generation fuel cost as derived from the MVCA formula for the month.

Provided that, where power purchase cost is in single part as per PPA, the same shall be considered for computation of avoided cost.

Provided further that, applicable cross subsidy surcharge shall be limited to 20% of the retail tariff of the respective consumer category including applicable MVCA.

7.8 The wheeling charge and cross-subsidy surcharge already recovered from long-term open access customers during 2018-19 and 2019-20 shall be adjusted with the rates specified in paragraph 7.5 above. The wheeling charge rate as specified for 2019-20 shall continue till further order of the Commission. Distribution licensee shall compute cross-subsidy surcharge as mentioned in 7.7 from time to time.

7.9 IPCL shall mention the applicable wheeling charges in the gist of their tariff order.



Certified true Copy



Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

ANNEXURE – 7

Computation of Wheeling Charges

Sl. No.	Particulars	Units	2018-19	2019 - 20
1	Employee cost for Distribution Function	Rs. in lakh	3545.26	4202.50
2	Operation and Maintenance Expenses for Distribution function	Rs. in lakh	1069.35	1270.08
3	Insurance premium for distribution	Rs. in lakh	30.84	32.23
4	Interest on loan	Rs. in lakh	1405.23	1409.31
5	Interest on Working Capital	Rs. in lakh	168.16	155.17
6	Depreciation	Rs. in lakh	966.55	1079.79
7	Taxes under Income Tax Act	Rs. in lakh	355.57	311.09
8	Return on Equity	Rs. in lakh	1650.03	1780.48
9	Gross Fixed Charges	Rs. in lakh	9190.99	10240.65
10	Less: Non Tariff income related to distribution function	Rs. in lakh	441.73	420.36
11	Less Expenses incidental to selling and distribution of energy	Rs. in lakh	1101.48	1230.13
12	Interest credit	Rs. in lakh	10.65	21.22
13	Net admissible Fixed Charge related to distribution for power wheeling only (9-10-11-12)	Rs. in lakh	7637.13	8568.94

Note: In absence of detailed submission under Form 1.27, expense attributable to retail selling is considered at 12% of the Gross distribution related Fixed charge at SI no (9) above.



Certified true Copy



CHAPTER – 8

DIRECTIVES

- 8.1 The Commission has given some directives in different paragraphs in Chapter-3 and Chapter-4 of this order while determining the variable cost and fixed cost of IPCL for the FY 2018–19 and 2019 – 20. IPCL shall comply with those directives. IPCL shall also comply with the following directives. The Commission has also given directions under Chapter 9 of the Tariff Order for the years 2014-15, 2015-16 and 2016–17 and Chapter -7 of the Tariff Order for the year 2017 -18 in respect of IPCL. These are required to be complied with by IPCL.
- 8.2 Now, the Commission issues the following directions to IPCL in the instant Tariff Order:
- 8.3 While submitting APR application of any year, IPCL shall submit the certificates of the annual accounts of the said year certified by the statutory auditor for the following parameters:
- (a) List of expenditure arising on account of penalty, fine and compensation due to non-compliance of any statute or statutory order along with the reasons for each of such type of penalty, fine and compensation separately.
- (b) A reconciliation certificate showing head-wise expenditure claimed in Form E(B) vis-à-vis the amount reflected in the Audited account of IPCL.
- 8.4 In case of expenditure over and above the admitted amount under any uncontrollable factor in this tariff order on account of fixed charges, IPCL has to justify in detail such higher expenditure with supporting documents and evidence while submitting APR applications of FY 2018 – 19 and 2019 – 20. On the basis of those, the Commission will take its decision during truing up exercise and it may be noted that without sufficient justification, the excess expenditure may not be admitted in the APR either fully or partly. Similarly, for controllable factors, wherever applicable, for the same





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

reasons, supporting documents and evidence are to be submitted to justify their claim. While truing up any uncontrollable factor on account of fixed charges, the actual business volume parameter and actual inflation rate to which such uncontrollable item is sensitive to, will be considered in the same manner and principle as determined under the tariff order subject to the limitation as per the Tariff Regulations. However, wherever applicable, the percentage ratio of increase in expenses on any item and the increase in sensitivity parameter will remain the same as that of what is mentioned in this tariff order.

- 8.5 IPCL shall submit an audited statement showing the consumer category-wise adjustment in terms of recovery / refund (arising out of the direction given under chapter 6 of this order) along with the APR applications for 2018–19 and 2019 – 20.
- 8.6 IPCL shall take appropriate measures to comply with the Renewable Purchase Obligation in terms of RPO target specified by the Commission under West Bengal Electricity Regulatory Commission (Co-generation and Generation of Electricity from Renewable Sources of Energy) (First Amendment) Regulations 2020.
- 8.7 IPCL has to submit an updated report of the Power Purchase Agreements entered into by them along with brief note of the terms and conditions of those PPA within one month from issuance of this order. IPCL has to enclose copies of the PPAs also with the report.
- 8.8 IPCL shall come up with their investment proposal, as per provision of the Tariff Regulations, if any, required to build up infrastructure to give electric supply to all consumers including low and medium voltage consumers under their area of supply.
- 8.9 IPCL is directed to ensure the following in terms of para 4.10 of FPPCA and APR Order of IPCL for the year 2013-14:
- (ii) there shall be no procurement of coal other than linkage or direct e-auction from CIL without prior approval of the Commission.





Tariff Order of IPCL for the year 2018 – 19 and 2019 - 20

- (iii) transparent competitive bidding should be the mode of procurement of power by the licensee and any exception shall be only with prior approval of the Commission.

8.10 IPCL is also directed to submit their APR and FPPCA petition for the years 2018–19 and 2019 – 20 within three months from the date of issuance of this order.

Sd/-
PULAK KUMAR TEWARI
MEMBER

Sd/-
DURGADAS GOSWAMI
MEMBER

Sd/-
SUTIRTHA BHATTACHARYA
CHAIRPERSON

DATE: 09.07.2021


SECRETARY



Certified true Copy