



ORDER

OF THE

WEST BENGAL ELECTRICITY REGULATORY COMMISSION

IN CASE NO. TP-79/18-19

IN REGARD TO THE APPLICATION SUBMITTED BY DAMODAR VALLEY CORPORATION (DVC) FOR DETERMINATION OF TARIFF FOR DISTRIBUTION AND RETAIL SUPPLY OF ELECTRICITY FOR THE PART OF THE DAMODAR VALLEY AREA FALLING WITHIN THE TERRITORY OF THE STATE OF WEST BENGAL FOR THE YEARS 2018 – 2019 AND 2019 – 2020

PRESENT:
SRI SUTIRTHA BHATTACHARYA, CHAIRPERSON
SRI PULAK KUMAR TEWARI, MEMBER

DATE: 17.06.2022



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 Damodar Valley Corporation (hereinafter referred to as DVC' or the 'Petitioner'), is a statutory body incorporated under the Damodar Valley Corporation Act, 1948 and involves in generation and transmission of electricity. DVC also sells electricity to intrastate licensees. In addition to the above, DVC undertakes the retail sale and supply of electricity to the consumers in the Damodar Valley area which falls in two contiguous States, namely the State of West Bengal and the State of Jharkhand.
- 1.3 In terms of 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'), the tariff applications for the sixth control period consisting of the years 2018 – 2019 and 2019 – 2020 under the Multi Year Tariff (MYT) framework was required to be submitted by DVC 120 days in advance of the effective date of the said control period. The effective date of the sixth control period is 1st April, 2018.
- 1.4 DVC submitted their application for MYT for sixth control period on 04.01.2019 in an incomplete status. After a series of correspondences, DVC, however, submitted the requisite forms / documents vide letter dated 13.08.2019 on 14.08.2019.
- 1.5 The tariff application of DVC dated 04.01.2019 along with the additional information submitted by DVC on 14.08.2019 and 31.01.2022 (collectively called as "tariff petition") had been admitted by the Commission on 23.02.2022 in compliance with the order dated 13.01.2022 of the Hon'ble High Court at Calcutta in case No: W.P.A. No. 153 of 2022 and numbered as TP-79/18-19.



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- 1.6 DVC 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 their website and newspapers as specified in the Tariff Regulations. The gist was, accordingly, published on 16.03.2022 simultaneously in the 'Ei Samay', the 'Aajkaal', 'The Telegraph' and 'The Indian Express'. The gist along with the tariff petition was also posted in the website of DVC. The publication invited attention of all interested parties, stakeholders and the members of the public to the application for determination of tariff of DVC for the sixth control period and requested for submission of suggestions, objections and comments, if any, on the tariff application, to the Commission within 05.04.2022 at the latest. Opportunities were also afforded to all to inspect the tariff application and take copies thereof.
- 1.7 The suggestions, objections and comments on the aforementioned application of DVC for determination of tariff for the sixth control period were received from (i) Damodar Valley Power Consumers' Association (DVPCA) and (ii) Steel Authority of India Limited, IISCO Steel Plant (SAIL) within the specified time limit and the same have been recorded in a summarized form in Chapter 4 of the instant order.
- 1.8 This order relates to tariff petition filed by the Petitioner before the Commission for determination of ARR for the years 2018 – 2019 and 2019 – 2020 and determination of retail tariff for 2018 – 2019 and 2019 – 2020 for supply in Damodar Valley area falling within the territorial jurisdiction of the State of West Bengal.



CHAPTER – 2 THE CASES OF DVC

2.0 Brief history on the tariff petitions filed by DVC:

- 2.1 The High Court at Calcutta, vide Order dated 13.01.2022 in W.P.A No. 153 of 2022, directed the Commission to determine the retail tariff for the periods 2017-2018, 2018-2019 and 2019-2020 in accordance with law.
- 2.2 With reference to the above Order of High Court at Calcutta, DVC prayed before the Commission vide letter dated 31.01.2022 to determine the ARR and Tariff for 6th Control Period based on their submission dated 04.01.2019 and subsequent additional information on 14.08.2019, 21.01.2022 and 31.01.2022 respectively.
- 2.3 The petition of DVC along with the documents / information submitted by DVC from time to time (collectively called as 'tariff application') has been admitted by the Commission.
- 2.4 The Commission now decides to proceed with the determination of tariff against the tariff petition submitted by DVC for 2018 – 2019 and 2019 – 2020 in accordance with the Order dated 13th January 2022 issued by the Hon'ble High Court at Calcutta.



CHAPTER – 3 THE SUBMISSIONS OF DVC

3.1 Tariff petition of DVC for the period 2018 – 2019 and 2019 – 2020:

3.1.1 The net Aggregate Revenue Requirement (ARR) projected by DVC for sale to consumers including licensees in radial mode in West Bengal for the years 2018 – 2019 and 2019 – 2020 are Rs. 422499.37 lakh and Rs 500914.45 lakh with projected average cost of supply at 500.03 paise / kWh and 565.12 paise / kWh for the years 2018 – 19 and 2019 – 2020 respectively as compared to the average cost of supply of 489.91 paise / kWh, prevailing during the period, vide the Tariff Order dated 3rd March 2017 for the year 2016 – 2017 in respect of DVC. However, DVC has proposed partial APR adjustment of Rs. 799.48 Crores (which includes carrying cost & principal amount for FYs 2007 – 08 and 2008 – 09) resulting in the average cost of supply for consumers including licensees as 547 paise / kWh in 2018 – 19 and 610 paise / kWh in 2019 – 20. Major reasons for increase / decrease in proposed tariff by DVC for the years 2018 – 2019 and 2019 – 2020 includes the following:

- (a) ARR considering the Tariff Order issued by CERC in respect of Generation Plants for 2014-19 period;
- (b) Power Purchase Cost and Generation Cost of DVC plants has decreased compared to approved cost in ARR for 2016-17; and
- (c) Consideration of other additional expenditure items in terms of subsisting regulations.

3.1.2 DVC has segregated the ARR and projected sale to Licensee (IPCL and WBSEDCL) to determine the tariff of consumers other than Licensees in radial mode. DVC has stated that this is without prejudice to the rights and contentions of DVC in the appeal no. 216 of 2019 (against the order dated 01.03.2019 of this Commission in Case No. OA-272/18-19) and appeal no. 190 of 2019 (against the order dated 01.03.2019 of this Commission in Case No. OA-273/18-19) pending before the Hon'ble Appellate Tribunal.



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- 3.1.3 DVC has stated that though the Commission had approved Average cost of supply of 489.91 paise/kWh for 2016-17 in order dated 03.03.2017, the actual Average Billing Rate (ABR) realized by DVC was 464 paise/kWh in 2018-19 and 460 paise/kWh in 2019-20 applying the same tariff schedule of 2016-17. As per DVC, this difference has been due to substantial shift in load profile (for example: increase in LF and PF rebate, shifting sales from Non-TOD to TOD). Under the circumstances, to recover the Average Cost of supply of 500 paise/kWh as proposed in this submission for 2018 – 19 & 565.12 paise/kWh in 2019 – 20, DVC has proposed approximately 7.76% and 22.8% increase in energy charge rate for entire class of consumers compared to as approved in the tariff order dated 03.03.2017 for 2016-17 for FY 2018 – 19 & FY 2019 – 20 respectively, retaining other terms and conditions unchanged. DVC also proposes for adjustment of a part of Revenue Gap along with Carrying Cost as determined by this Hon'ble Commission vide its order dtd. 19.07.2021 for the FYs from 2006 – 07 to 2008 – 09 resulting final cost of supply during 2018-19 and 2019-20 to be Rs. 547.00 paise and 610.00 paise per kWh.
- 3.2 The submission of DVC in the tariff petition for the years 2018 – 2019 and 2019 – 2020 and the salient features of their proposal have been narrated in the following paragraphs:
- 3.2.1 DVC purchases electricity from the Central Sector Generating Units such as NTPC, KBUNL, NHPC etc. based on the subsisting long term PPAs. In addition, DVC also purchases electricity from Maithon Power Ltd. (MPL) on long term basis at a tariff as approved by CERC. DVC also purchases Bhutan hydro power through PTC in terms of the subsisting PPAs. In case of contingency, DVC purchases power from power exchange to bridge the gap between the demand and supply in respect of the distribution activity. Similarly, DVC avails the services of the Powergrid Corporation of India Limited for conveyance of electricity from the place of generation of NTPC, NHPC etc. through inter-state transmission for delivery in the DVC Area. The tariff payable by DVC to Power grid Corporation is also an input cost in the determination of the distribution and retail supply of electricity in the Damodar Valley Area. The purchase cost and transmission cost so projected to be incurred by DVC will also become an input cost for the purpose of deciding on the retail supply tariff for sale and supply of electricity by DVC to consumers in the Damodar Valley area.



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- 3.2.2 DVC supplies power to West Bengal State Electricity Distribution Company Ltd. (WBSEDCL), erstwhile WBSEB, directly from identified generator (i.e. MTPS U # 5) under schedule mode in terms of Section 62 (1) (a) of the Electricity Act, 2003 as per the subsisting bilateral agreement between DVC and WBSEDCL. DVC has also been supplying pooled power to the licensees viz. WBSEDCL at 13 points and India Power Co. Ltd. (IPCL), erstwhile DPSC, at 4 points in firm/radial/consumer mode using own Transmission and Distribution (T&D) Network. DVC has been supplying pooled power to the licensees WBSEDCL and IPCL since inception of T & D activity of DVC and such sale qualifies under Section 62(1)(d) after enactment of the Electricity Act 2003. DVC on numerous occasions requested the licensees WBSEDCL and IPCL to change the radial/consumer mode of supply of the entire contracted quantum into schedule mode as licensee under ABT mechanism and modify the subsisting agreement accordingly. While IPCL expressed their difficulty to change the existing consumer mode of supply arrangement vide their letter no. HO/DVC/2012-13/115, dtd. 26.07.2012, WBSEDCL did not take any confirmatory action for such change in mode of power supply. In view of the facts DVC is compelled to prefer power supply bills as per the tariff schedule determined by WBERC in its orders dated 03.03.2017, 24.8.2015 and 25.5.2015.
- 3.2.3 It is also submitted by DVC that both the licensees WBSEDCL and IPCL have been making short payment of the electricity bills preferred by DVC as per the rate of power purchase from DVC considered in their respective tariff orders issued by WBERC instead of at the rate approved by the same Commission in the retail tariff orders of DVC dtd. 25.05.2015, 24.08.2015 and 03.03.2017. DVC had filed petitions before this Hon'ble Commission under Section 86(1) (a) & 86(1) (b) to resolve the dispute arising out of two different rates for the same source of power at the same point of time.
- 3.2.4 DVC submitted that both WBSEDCL and IPCL have been historically drawing electricity from DVC under consumer mode and contracted MVA has been allocated to them from different sub-stations of DVC as per the agreements based on their respective supply points. The Commission has not determined the tariff applicable for sale of electricity by DVC to WBSEDCL and IPCL in the previous tariff orders.



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- 3.2.5 In view of the above facts DVC has been preferring power supply bills as per the approved tariff orders of DVC as passed by WBERC. The aforesaid two licensees have, however, been retrenching the billed amount on the ground that there is separate and single part rate applicable for them as licensee and not as a consumer for purchase of power from DVC as has been specified in their respective tariff orders issued by the same Commission. As a consequence, DVC is unable to recover actual demand charge or fixed charge proportionate with the capacity allocated to the licensees WBSEDCL and IPCL at each supply point. It is therefore submitted respectfully that DVC as a result is unable to recover its approved ARR in proportion to the actual sale quantum.
- 3.2.6 DVC therefore submitted before the Commission to resolve the aforesaid dispute based on the already submitted petitions and reply on the petitions as submitted by the respondents WBSEDCL and IPCL. The Commission may be pleased to indicate in the tariff order for the 6th Control Period regarding applicability of the approved tariff schedule to the consumers and licensees who draw electricity from DVC in consumer / radial mode through point-to-point wire connection. DVC further submitted that however, if the Licensees agree to change from present consumer mode of supply of electricity from pooled power to generator specific schedule mode of supply through own T&D network of DVC, power supply may be made accordingly after execution of new agreements. Bills may be preferred in that case as per Generation and Transmission tariff determined by CERC.
- 3.2.7 DVC submitted before the Commission to consider the revenue from sale of power for computation of revenue gap / surplus with due recognition of the dispute as clarified above so that DVC is not unduly deprived of its legitimate claim. DVC therefore submits respectfully before the Commission to deduct the accrued dues of IPCL and WBSEDCL from the revenue from sale of power while computing the revenue gap / surplus as the case may be.
- 3.2.8 DVC also submitted that the Commission has already approved the quantum of sale by DVC to IPCL and WBSEDCL in radial mode and cost of sale during FYs 2017-18, 2018-19 and 2019-20 in their respective tariff orders for FY 2017-18 (WBSEDCL order dated



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04.07.2018 and IPCL order dated 28.01.2021) and 2018-19 & 2019-20 (WBSEDCL order dated 25.08.2021 and IPCL order dated 09.07.2021). DVC humbly submits before this Commission to approve the same rate of purchase of power by WBSEDCL and IPCL from DVC in radial mode as rate of sale to the licensees by DVC during the aforementioned periods while issuing the retail tariff order of DVC. Pending such approval by the Commission DVC has considered actual sale quantum and revenue received from WBSEDCL and IPCL during FYs 2017-18, 2018-19 and 2019-20 while finalizing the retail tariff for the same periods. This proposal of DVC is, however, without prejudice to the rights and contentions of DVC in the Appeal Nos. 190 of 2019 and 2016 of 2019 pending before the Appellate Tribunal for Electricity

- 3.2.9 Hon'ble CERC has issued tariff orders in respect of all generating stations of DVC for the period FY 2014-19. However, the tariff in respect of Transmission & Distribution (T&D) System is yet to be issued by CERC for the tariff period 2014-19. A consolidated table with details of the orders issued / pending along with Annual Fixed Cost approved in the tariff orders issued by CERC is also submitted.
- 3.2.10 It is submitted that some generating units of DVC viz. BTPS U # 1,2,3 CTPS U #1,2,3 and DTPS U # 3,4 have been decommissioned due to old age and being not able to comply stringent environment norms. Tariff orders for these stations have already been issued by CERC for the tariff period 2014-19 without considering the effect of decommissioning. Due to decommissioning of one or two units from these generating stations applicable fixed cost of these stations in the present MYT petition have been considered in proportion to the installed capacity of the units still under commercial operation. A consolidated list of decommissioned units, relevant documents in this regard and change in recoverable fixed cost based on that allowed by CERC are submitted.
- 3.2.11 It is submitted that DVC is filing the present petition before the Commission based on the input cost approved by CERC in the tariff orders for the period FY 2014-19. Input cost related to T&D System for FY 2018-19 & 2019-20 has been considered after a yearly escalation of 2.5% on the AFC approved by CERC for the year FY 2013-14 in the true-up order dtd. 29.09.2017. DVC therefore craves leave to further submit the revised ARR



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computed based on the subsequent tariff orders to be issued by CERC for further approval by the Commission. Adjustment of ARR as per final determination of tariff by CERC for the tariff period 2014-19 will be done by DVC accordingly.

- 3.2.12 DVC also submitted to please take note of the fact that Jharkhand Bijlee Vitran Nigam Ltd. (erstwhile JSEB) has entered into a bilateral agreement with DVC to purchase power directly from KTPS U# 1 & 2 generating station of DVC in place of the existing firm mode of supply out of the pooled power of DVC. Such supply to JBVNL has commenced from January 2019. Moreover, Indian Railways has reduced their Contract Demand from DVC and has opted to purchase power from NTPC Nabinagar generating station using DVC's T & D network in open access mode. As a consequence, total firm sale of DVC in Jharkhand and West Bengal state may reduce to that extent. Such changes in firm load and consumption of electricity have been considered while projecting total sale of DVC in command area during the 6th control period.
- 3.2.13 DVC further submitted that a portion of the total allotted capacity from thermal generating stations of NTPC (located in the Eastern Region) has been reallocated to other utilities by Ministry of Power, GOI based on the request of DVC. Purchase of power by DVC has been projected during 2019-20 considering the same.
- 3.2.14 DVC is filing this petition for determination of retail tariff considering the changes as explained above. Moreover, the methodology adopted for design & computation of tariff is based on the applicable regulations notified by the Commission.
- 3.2.15 It is submitted that periods in respect of time of the day (TOD) may be kept same as that existing in terms of Regulation 3.13 of (Terms and Conditions of Tariff) Regulations, 2011 of WBERC. It is further mentioned that in order to flatten the load pattern, economic use of resources, good performance and optimal investment throughout the day, reduced rate of energy charge has been proposed for the consumers during off peak and enhanced rate of energy charge has been proposed for peak period compared to that during normal period.
- 3.2.16 Cost of own Generation and T&D system of DVC for FY 2018-19 has been considered



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based on the input cost as per (i) the generation tariff orders already passed by Hon'ble CERC for the period FY 2014-19, (ii) AFC of 2013-14 as approved in T&D true-up tariff orders passed by Hon'ble CERC for the period FY 2009-14 with yearly escalation factor of 2.5%. Existing tariff period of CERC expires on 31.03.2019. DVC submitted that since at present there exists no tariff of CERC for the next tariff period 2019-24, cost of own Generation and T&D system of DVC for FY 2019-20 has been arrived at on projection basis after applying an escalation factor of 2.5% on the AFC of FY 2018-19. Escalation factor of 2.5% has been considered in terms of the MYT order of DVC dtd. 18.05.2018 issued by Hon'ble JSERC for the period FY 2016-17 to 2020-21. Relevant portion of the order dtd. 18.05.2018 issued by Hon'ble JSERC and Annual fixed cost for different generating stations and T&D System of DVC for the period from 2014-15 to 2019-20 is also submitted by DVC.

- 3.2.17 The projected firm sale of DVC for the entire command area has been apportioned to Jharkhand part and West Bengal part of the DVC based on the past trend, anticipated changes and expected load growth in future. The consumption pattern of electricity (in MU) under different category and sub-category have been projected based on the actual load pattern for the first quarter of FY 2018-19. Elements of generation tariff & charges towards T & D activities along with other elements of fixed charges and energy charge portion of ARR have been apportioned between the two states in the ratio of their respective energy consumption in MU during each year.
- 3.2.18 The allocation of proposed Demand Charge & Energy Charge of ARR has been done in the ratio of sale of electricity by DVC to the consumers and licensees (having subsisting PPA in consumer mode) located in the two states as per the methodology adopted by the Commission in the tariff orders of DVC already issued.
- 3.2.19 The tariff is designed based on actual load profile for FY 2018-19 and 2019-20. The Hon'ble Commission may be pleased to revisit the existing rebate structure in line with the current load profile of the consumers.
- 3.2.20 The balance amount of Revenue Gap including Carrying cost at Rs. 799.48 Crore is



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proposed to be recovered equally in two years i.e. Rs 399.74 Crore per year of the 6th control period. DVC has computed the carrying cost @ 6% simple rate of interest upto the month of March 2022 anticipating issuance of retail tariff order within March 2022 along with adjustment of Revenue-gap. However, carrying cost amount is proposed to be computed based on the date of tariff order or the date when such recovery is allowed to DVC by this Commission.

- 3.2.21 Average cost of supply during 2018-19 and 2019-20 after adjustment of a part of the approved revenue gap and carrying cost is proposed to be Rs. 547.00 paise and 610.00 paise per kWh.
- 3.2.22 DVC may be allowed to compute Load Factor which qualifies for LF rebate based on monthly average Power Factor in place of average power factor of the time block corresponding to the period of recording the maximum demand (greater than 85% of CD) as specified in regulation 3.9.4 (iv).
- 3.2.23 The Hon'ble Commission may kindly consider the technical losses incurred by DVC at the transmission and distribution level in the retail supply of electricity and account for the same in a unified and equitable manner applicable both in the states of Jharkhand and West Bengal.
- 3.2.24 The projected sale to consumers and licensees in respect of distribution activity of DVC during the period of 2018-19 & 2019-20 under different supply category have been considered in line with the past trend and actual load pattern during the first quarter of FY 2018-19.
- 3.2.25 The generation and transmission tariff of DVC as determined by CERC will be considered as input cost based on which the Aggregate Revenue Requirement (ARR) and retail supply is to be prepared.
- 3.2.26 Annual fixed cost of the generating stations whose one or more units have been decommissioned has been considered in proportion with the installed capacity of running units.



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- 3.2.27 Cost of power purchase from different Central Sector Generating Stations and also from other sources viz. PTC, MPL etc. and incidental expenses have been considered on projection basis for the years 2018-19 & 2019-20. Renewable Purchase Obligations (RPO) of DVC in the State of West Bengal has been considered for the control period in line with the "Cogeneration and Generation of Electricity from Renewable Sources of Energy" Regulations, 2013 of the Hon'ble Commission.
- 3.2.28 Levies, cess, taxes, duties, ULDC Charges, RLDC Charges, SLDC charges, service tax/GST etc. that may be applicable and charged or levied by various authorities on DVC related to purchase of power have been included in the computation of ARR.
- 3.2.29 The following have been considered while computing the revenue requirement and tariff for the purpose of distribution and retail supply of electricity for the period FYs 2018-19 and 2019-20:
- Station wise generation tariff orders which have already been issued by CERC for the period FY 2014-19,
 - True-up order in respect of T&D System of DVC for the period 2009-14 issued by CERC,
 - Yearly escalation factor of 2.5% to arrive at the Annual Fixed Cost for 2019-20,
 - The generation tariff for Central Sector Generation companies such as NTPC, NHPC, KUBNL etc. determined by CERC from whom DVC procures electricity on long term basis to meet the demand of electricity in the entire Damodar Valley command area;
 - Cost expected to be incurred for purchase electricity from other utilities viz. PTC, MPL etc. based on the PPA and tariff orders and also to meet RPO through purchase of renewable power / REC;
 - The transmission charges of Power Grid Corporation (i.e. the POC charges) from whom DVC avails transmission services based on the tariff determined by CERC and other incidental charges viz. POSOCO Charges, ULDC Charges etc. related to purchase of power,
 - Interest on working capital and interest on security deposit;
 - Regulatory fees paid / payable to this Hon'ble Commission, Publication expenses and other charges;



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- i. Regulatory fees paid / payable to CERC, Publication expenses and other charges to the extent of energy utilized for distribution activity;
- j. Water and Pollution Cess paid by DVC to the state Govt. Authorities
- k. O&M charges paid by DVC to PGCIL in line with the order of CERC;
- l. Interest on temporary financial accommodation at actuals for the respective years for Short term loans against the Delayed payment made by Consumers;
- m. Prompt payment and e-payment rebate allowed to consumers during the respective years for making payment within due date;
- n. Non-tariff income at actuals in respect of distribution activity during the respective years;
- o. Legal and consultancy charges related to distribution activities of DVC;
- p. Expenses related to cyber security aspects.

3.2.30 Aggregate Revenue Requirement (ARR) of DVC for its distribution activity in the state of West Bengal for the 6th Control period comprising of FYs 2018-19 & 2019-20 has been revised considering additional tariff elements vide submission dated 31.01.2022.

3.2.31 DVC previously submitted the tariff formats in the submissions dated 04.01.2019 and 14.08.2019. Therefore, relevant formats (Forms 2.1 to 2.9, Forms 3.1 to 3.7) which have been revised in order to effect the aforesaid changes are submitted herewith. Revised Gist of tariff petition of DVC for the 6th Control period consisting of FY 2018-19 & 2019-20 is also submitted.

3.2.32 DVC in the submission dated 31.01.2022 has considered Non-Tariff Income amounts to Rs. 288.68 Crs. for FY 2018-19 before being apportioned for West Bengal consumers based on sales ratio. However, due to delayed payment / short payment mainly made by JBVNL there accrued major part of the Delay Payment Surcharge (DPS). As per the Audited Annual Accounts of 2018-19 the DPS amount for firm consumers of DVC is Rs. 288.68 Crs. Out of the total DPS, the amount attributable to JBVNL is around Rs. 210.66 Crs. during 2018-19. Hence DVC finds it prudent to adjust Rs. 288.68 Crs. during 2018-19 towards Non-Tariff Income (NTI). From 2019-20 onwards the DPS for distribution activity reduced due to generator specific power supply to JBVNL in place of distribution



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sale.

- 3.2.33 In this regard it is also humbly submitted that DVC has also claimed cost of Temporary Financial Accommodation for short term cash credit to make good the cash deficit due to short/delayed payment as well as arrears by consumers and licensees in terms of Regulation 5.6.5.4 of WBERC 'Terms and Conditions of Tariff' Regulations, 2011. This also includes JBVNL who is the major payment defaulter. Hence DVC respectfully submits before the Commission to allow interest on Temporary Financial Accommodation as claimed in ARR since the NTI has also been adjusted in ARR in which also JBVNL is the major contributor as explained above. DVC has also furnished source wise details of such short-term cash credit (booked in the Annual Accounts under the head 'Line of Credit') in the relevant format Form 1.17(a) in terms of the subsisting tariff regulations. Accordingly, the revised Form-1.26 and Form - 1.17(a) have been submitted.
- 3.2.34 Power Factor (PF) rebate in terms of Regulation 3.8 of WBERC (Terms and Conditions of Tariff) Regulations, 2011 is proposed on the basis of consumption profile during the first quarter of FY 2018-19 and is proposed to be applicable for P.F > 92% in different steps. Rate of power factor rebate and surcharge has been proposed to be same for all category of consumers receiving electricity supply at and above 33 KV level. However, rates of proposed rebate and surcharge are different for TOD and NON-TOD category in line with the tariff order dtd. 03.03.2017 already issued for the period 2016-17.
- 3.2.35 Load Factor (LF) rebate in terms of Regulation 3.9 of WBERC (Terms and Conditions of Tariff) Regulations, 2011 is proposed to be applicable above LF of 65% in different steps based on consumption profile of the consumers during the first quarter of FY 2018-19 but the rate of such rebate is proposed different at different voltage levels in line with the tariff order dtd. 03.03.2017 already issued for the period 2016-17.
- 3.2.36 Load Factor surcharge is proposed to be levied if the load factor falls below 30%.
- 3.2.37 Load Factor rebate and surcharge is proposed to be levied on Industrial Consumers and the licensees receiving power from DVC in consumer mode (excluding the traction load).



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- 3.2.38 Rebate for consumption of electricity at higher voltage levels has been proposed in the tariff design. Such rebates have been embedded in the consumer category wise energy charge rates while designing the tariff.
- 3.2.39 Rebate for payment within due date has been proposed in terms of para 7.4.5 and 7.4.6 of the tariff order of DVC dtd. 25.05.2015 for the period 2014-17.
- 3.2.40 Other charges and commercial terms and conditions for determination of tariff for the 6th control period not exclusively mentioned herein above are proposed to be in line with applicable regulations and previous tariff orders issued by the Commission.
- 3.2.41 Actual energy charge rates based on the stipulated formula of CERC have been considered for computing the energy charge rate of different thermal generating stations for FY 2018-19, on monthly basis for the period April - 2018 to October-2018. For rest part of FY 2018-19 the energy charge rates have been considered with escalation of 21.66%. The yearly escalation factor for FY 2019-20 has been arrived at taking into consideration the average escalation in coal cost for competitive bidding during the period from October 2014 to October 2018 as issued by CERC biannually.
- 3.2.42 The Commission in its order dtd. 25.05.2015 at para 8.13 & 8.14 (page no. 120) directed DVC to furnish a report regarding readiness to supply all the consumers. DVC in various communications thereafter intimated the Commission that DVC will arrange supply of electricity to all intending consumers below 33KV. However, on the issue of submission of investment proposal for building further infrastructure to supply all category of consumers including Low and Medium voltage consumers, DVC intimated the Commission that in order to avoid sub optimal utilization of the infrastructure due to very low demand, no further investment in advance is being felt prudent by DVC Board at present. DVC, however, also intimated that supply to all consumers including LV and MV consumers will be ensured, on receipt of any valid application.
- 3.2.43 In view of the above, DVC submitted that the load demand of consumers under the applicable categories including LV consumers has been considered on projection basis and the Commission may be pleased to determine the tariff applicable to different category



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of consumers including LV consumers located within the Damodar Valley Area falling in the State of West Bengal.

- 3.2.44 DVC submitted that a substantial amount of expenditure is scheduled to be incurred towards Social integration Program, Subsidiary Activities and creation of LT infrastructure during discharge of the functions bestowed upon it in terms of the provisions of DVC Act on objects other than irrigation & flood control and Section 43 of the Electricity Act 2003 towards universal service obligation. Presently DVC is not in a position to assess such expenditures in advance. DVC accordingly craves leave to submit the entire data and document before the Commission as and when expenditure is incurred on this account in order to service such expenditures through retail tariff. It is submitted that these expenditures may kindly be allowed as a part of the revenue requirements of DVC and recovered through tariff for retail supply of electricity
- 3.2.45 It is also submitted that in order to reduce T&D loss, AT&C loss and to improve the quality of electricity supplied to the consumers DVC has been consistently engaged in renovation and up gradation of its old composite and integrated T&D infrastructure, in a phased manner, which have outlived their useful lives. DVC craves leave to submit the entire data and documents before the Commission as approved by the Hon'ble CERC in order to service its expenditure through retail tariff.
- 3.2.46 The fees paid / to be paid by DVC to the Commission for submission of petition for tariff determination for the control period, fees for submission of APR petitions and expenditures related to publication of the tariff petitions etc. has been considered on projection basis while finalizing the ARR. Similarly tariff filing fees and publication expenses in respect of tariff petitions filed by DVC before CERC has also been considered in the ARR to extent of power from those generating stations of DVC is used in distribution activity. DVC therefore submits that the Commission may allow such expenses as pass through element while approving the ARR.
- 3.2.47 It is submitted that DVC pays water cess, pollution cess, labour welfare cess, etc. directly to the concerned authorities of the State Govt. in respect of its different generating stations



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located in the state of West Bengal and Jharkhand. These payments / expenditures are not part of the generation tariff determined by CERC. Hon'ble CERC while framing the "Terms and Conditions of Tariff" Regulations, 2014 has specifically excluded water charges from normative O&M rate. However, Regulation 29(2) provides for water charges to be claimed separately. However, CERC in the Tariff Regulations 2014 has not considered Water Cess and other cess as a part of generation tariff. DVC therefore claims in the present petition, the expenditure in respect of water cess, labour welfare cess, pollution cess etc. on projection basis in terms of Schedule – 5, item Sl. No. 2.1(f) of WBERC (Terms and Conditions of Tariff) Regulations, 2011. Such expenditures are claimed by DVC from the consumers to the extent of generation being used for distribution activity. Relevant portion of CERC "Terms and Conditions of Tariff" Regulations, 2014 and Statement of Reasons associated with the Regulation are also submitted which clearly shows that though water charges are allowed separately but no cess is included in the normative O&M rate or elsewhere in terms of CERC Tariff Regulation. DVC also submits copy of electricity bills preferred by NTPC which also indicates that Water Cess / Pollution Cess etc. are claimed separately and the same are not included in the tariff determined by CERC. The Commission may therefore be pleased to allow the claim of DVC in respect of such expenditure on projection basis in the present petition while finalizing the ARR. Petitioner will submit the actual expenditure as per audited book of accounts while submitting the Annual Performance Review (APR) for the said period.

3.2.48 It is submitted respectfully that DVC has started various initiatives for generation of solar power including roof-top arrangement. One such roof-top solar generation of 53 KWp has been installed at DVC Head Quarter and commenced generation in December-2016. Another solar project of around 50 MW capacity is at tendering stage to be built at Panchet in Dhanbad Dist. Further details regarding the project will be submitted before the Commission based on subsequent progress in this regard.

3.2.49 DVC submitted before the Commission to treat the revised submission on 31.01.2022 as an integral part of original submissions dated 04.01.2019 and 14.08.2019 made by DVC for determination of Aggregate Revenue Requirement (ARR) and distribution tariff for the 6th Control Period comprising of FYs 2018-19 and 2019-20 in respect of its distribution



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and retail supply of electricity to the consumers and licensees serviced by DVC in the part of the Damodar Valley Area falling within the territory of the State of West Bengal.

3.2.50 In the facts and circumstances mentioned above DVC submitted that the Commission may kindly determine the distribution/retail supply tariff for the Damodar Valley Area falling in the state of West Bengal for the period from 01.04.2018 to 31.03.2019 and from 01.04.2019 to 31.03.2020 on the basis of the tariff proposal submitted by DVC

3.2.51 Finally, DVC has prayed the following before the Commission:

- (a) Admit the present submission of DVC and the previous submissions dated 04.01.2019 and 14.08.2019 in respect of determination of ARR and tariff for the 6th Control Period,
- (b) Determine the Aggregate Revenue Requirement and Distribution & Retail Tariff for the 6th Control Period i.e. FY 2018-19 & 2019-20 based on the submissions made by DVC and allow DVC to adjust the tariff in a retrospective manner,
- (c) Pass the accumulated revenue gap determined in the APR for FY 2006-09 & FY 2009-14 in the tariff for ensuing years from FYs 2017-18, 2018-19 and 2019-20 with retrospective effect,
- (d) Make the tariff so determined applicable to both the consumers and the licensees who are receiving power from DVC within its area of operation in the state of West Bengal in consumer mode as per the subsisting power purchase agreements.



CHAPTER – 4

OBJECTIONS AND SUGGESTIONS

4.1 Suggestions, objections and comments on the tariff petition of DVC for the years 2018 – 2019 and 2019 – 2020 have been received within the stipulated period of time from the persons as mentioned in Chapter – 1. The main points of the suggestions, objections, comments, etc. so received are summarized in the following paragraphs in this chapter. The views of the Commission on the relevant suggestions, objections, comments etc. are also recorded in this chapter.

4.2 Damodar Valley Power Consumers' Association (DVPCA) has submitted that –

4.2.1 DVPCA strongly opposes the maintainability of the instant Petition and prays that the same be rejected in limine, in the interest of justice and equity due to the reasons given below:

- i) Apparent non-compliance of Hon'ble Calcutta High Court Order dated 09.01.2017 in Writ Petition No. 26442 (W) Of 2016 (DVC v/s. Hon'ble WBERC);
- ii) Tariff Determination without True-up/ Annual Performance Review for the period from 2014 to 2017, FY 2017 – 18 and 2018 - 2019. The tariff determination scheme under the applicable WBERC (Terms and Conditions of Tariff) Regulations, 2011 and subsequent amendments mandates Annual Performance Review (True-up) for past period before undertaking tariff determination for subsequent period.
- iii) Retail Tariff Schedule to be determined for FY 2022 – 23 instead of FY 2018 – 19 and FY 2019 – 20 and True-up/APR to be conducted for FY 2017 – 18 and subsequent years. In light of the fact that the audited actuals for FY 2014 – 15, FY 2015 – 16, FY 2016 – 17, FY 2017 – 18, FY 2018 – 19 and FY 2019 – 20 are available, the Hon'ble Commission may declare the instant Petition infructuous and reject the instant Petition in limine and instead direct the Petitioner to file a fresh application for True-up/APR for FY 2014 – 15 to FY 2021 – 22 and ARR & Tariff for FY 2022 – 23.

DVC has filed a petition seeking review of the decision of Hon'ble High Court at Calcutta



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vide order dated 09.01.2017 which is pending before the Hon'ble High Court. However, the Hon'ble High Court at Calcutta vide order dated 13.01.2022 in case No: W.P.A. No. 153 of 2022 directed this Commission to determine the retail tariff for the period 2017-2018, 2018 – 19 and 2019 – 20.

The Commission has issued APR order upto 2013 – 14 based on True up orders of CERC in respect of generating stations and integrated T&D system of DVC for respective years. This Commission will issue APR orders of DVC for subsequent period on filing of revised APR petitions by DVC based on final tariff order issued/ to be issued by CERC. The Commission is issuing a separate order giving direction to DVC in this regard.

- 4.2.2 DVPCA has proposed that instead of projection by DVC, the Commission may approve the energy cost of Own Generating Station on actual basis and Fixed Cost Component including P&G and Sinking Fund of Own Generating Station and T&D Network of DVC based on actual Plant Availability Factor for FY 2018-19 and FY 2019 – 20. As per the Objector's assessment, taking same approach by the Hon'ble JSERC in its Order dated 30.09.2020 pertaining to True-up for FY 2018 – 19, Own Generating cost of DVC for FY 2018-19 and FY 2019 – 20 vis-à-vis projection by DVC are as follows:

Own Generation cost of DVC				
Year	Projection by DVC for entire DVC area	Assessment by DVPCA for entire DVC area	Disallowance proposed by DVPCA for entire DVC area	Disallowance proposed by DVPCA for WB part of DVC
18 - 19	8698.09	7036.52	1661.57	693.75
19 – 20	7396.60	7139.94	256.67	143.96

Rs Crore

DVPCA has proposed disallowance of Rs. 693.75 crores in 2018 – 19 and Rs. 143.96 Crore in 2019 – 20 for the area of supply in West Bengal due to the reasons detailed in their petition.

The Commission has noted the contentions of DVPCA; The Commission has considered the petition made by DVC to this Commission on projection basis as required under regulation 2.5.1 of WBERC Tariff regulations, 2011, not on the basis of submissions of the licensee to any other State Commission and orders thereof. Further, the issues are dealt



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in para 5.5 of Chapter-5.

- 4.2.3 DVPCA has estimated power Purchase cost including Transmission Charges for 2018 – 19 based on Audited Accounts of DVC for FY 2018-19 and True-up Order of JSERC dated 30.09.2020 for FY 2018 – 19. For, 2019 – 20, the objector has estimated power Purchase cost including Transmission Charges based on Audited Accounts of DVC for FY 2019-20, True-up petition of DVC before JSERC for the year 2019 – 20 and Market Clearing Price (MCP) of IEX for 2019 – 20. Power Purchase Cost including Transmission Charges of DVC for FY 2018 – 19 and FY 2019 – 20 as per the Objector's assessment, vis-à-vis projection by DVC are as follows

Power Purchase cost				
Year	Projection by DVC for total DVC area	Assessment by DVPCA for total DVC area	Disallowance proposed by DVPCA for total DVC area	Disallowance proposed by DVPCA for WB part of DVC
18 - 19	919.90	1245.80	(-) 325.90	(-) 136.07
19 – 20	763.89	943.69	(-) 179.81	(-) 100.85

DVPCA proposed that the Hon'ble Commission may approve the Power Purchase Cost from other Generating Stations including Transmission Charges for FY 2018 – 19 and FY 2019 – 20 as per the Objector's assessment which tantamount to addition of Rs. 136.07 crores and Rs. 100.85 crore for 2018 – 19 and 2019 – 20 respectively to the cost claimed by DVC for the area of supply in West Bengal due to the reasons detailed in their petition.

The Commission has noted the contentions of DVPCA; The Commission has considered the petition made by DVC to this Commission on projection basis as required under regulation 2.5.1 of WBERC Tariff regulations, 2011, not on the basis of submissions of the licensee to any other State Commission and orders thereof. Further, the issues are dealt in para 5.6 of Chapter-5.

- 4.2.4 The objector has prayed that since DVC has not made any claim towards Water & Environment Cess in the True-up petition before JSERC for the year 2019 – 20 the Commission may disallow the Water & Environment Cess for own generating station claimed by the petitioner for FY 2019-20. Water & Environment Cess of DVC for FY 2018 – 19 and FY 2019 – 20 as per the Objector's assessment, vis-à-vis projection by DVC are



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as follows:

Water & Environment Cess					Rs Crore
Year	Projection by DVC for total DVC area	Assessment by DVPCA for total DVC area	Disallowance proposed by DVPCA for total DVC area	Disallowance proposed by DVPCA for WB part of DVC	
18 – 19	0.20	0.20	0	0	
19 -20	0.25	0	0.25	0.25	

The Commission noted the suggestion; The Commission has considered the petition made by DVC to this Commission on projection basis as required under regulation 2.5.1 of WBERC Tariff regulations, 2011, not on the basis of submissions of the licensee to any other State Commission and orders thereof. Further, the issues are dealt with justifications in para 5.8 of Chapter-5.

- 4.2.5 On Interest on Temporary Financial Accommodation, DVPCA has referred to that the West Bengal Commission did not admit any amount under this head in APR Order dated 31.05.2021 for the years 2009 – 10 to 2013 – 14 since such short term borrowings for 2011 – 12 to 2013 – 14, as per Annual Financial Statements, was on account of overdues of Jharkhand State Electricity Board (JSEB) and in absence of any substantial reason behind the claim. The objector has also pointed out that as per 'Short term Bank Borrowing (Line of Credit)' of Audited Accounts of 2018 – 19 and 2019 – 20, short term line of credit of Rs 5100 crore and Rs 5650 Crore have been taken by DVC for financing overdues of JSEB. Finally, the stakeholder has submitted that in absence of a reconciliation with the audited accounts at actuals substantiating the amount towards the short-term loans taken for delayed payment/short-payment by consumers, the claim of Rs 374.49 crore in 2018 – 19 and Rs 435.90 Crore in 2019 – 20 towards Interest on Temporary Financial Accommodation may be disallowed.

The Commission has noted the suggestion and has dealt the issues with justifications in para 5.16 of Chapter-5.

- 4.2.6 DVPCA has stated that regulations lxxi (Non-Tariff Income) and 2 (Net Aggregate Revenue Requirement) of the Tariff Regulations provide for the items to be excluded from Non-tariff income. Any other income earned by the Petitioner is also to be treated as Non-



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Tariff Income in terms of the aforesaid Regulations and applied as a reduction from the ARR. In fact, the above regulations clearly provide for the items to be reduced from ARR besides non-tariff income also. It is submitted that the actual non-tariff incomes as per Table-24 of Audited Accounts are far in excess of those claimed by the Petitioner for the FY 2018-19 and FY 2019 – 20 which only includes Delayed Payment Surcharge. It is humbly prayed that the Commission may consider the non-tariff income as Rs. 432.09 crores in 2018 – 19 and Rs. 504.28 Crores in 2019 – 20 as against Rs. 288.68 crores and Rs. 21.74 crore as projected by DVC for 2018 – 19 and 2019 – 20 respectively.

The Commission has noted the suggestion and has dealt the issues with justifications in para 5.15 of Chapter-5.

- 4.2.7 DVPCA has prayed to fully disallow the claim on O&M expenses on ULDC scheme for both the years of the control period referring that JSERC has not allowed such claim of DVC in APR Order dated 30.09.2020 for the year 2018 – 19.

The Commission has noted the suggestion and has dealt the issues with justifications in para 5.13 of Chapter-5.

- 4.2.8 The objector has prayed that instead of projection by DVC, the Commission may approve the Tariff filing fees & publication fees to CERC to the tune of Rs 4.39 Crore in 2018 – 19 on the basis of Audited Annual Accounts for FY 2018-19 and same amount in 2019 – 20 instead of Rs 5.11 crore and Rs 5.22 crore projected by DVC for FY 2018 – 19 and FY 2019 – 20.

The Commission has noted the suggestion and has dealt the issues with justifications in para 5.10 of Chapter-5.

- 4.2.9 DVPCA has prayed the Commission to direct the petitioner to submit statement of sharing of gains or losses and accordingly grant the benefit to the consumers for sale to others and income from auxiliary services as per provision in regulation 5.15(2)(iv) and 5.15(2)(vi) of Tariff Regulations.



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The Commission has not considered the energy for sale to others and cost thereof in the input cost calculation for distribution activity for consumers and licensee in radial mode in West Bengal part of DVC command area. Thus, sharing of gain from such activities with consumers does not arise.

- 4.2.10 On Interest on Working Capital for West Bengal part of DVC, Rs 12.59 Crore and Rs 13.15 crore are computed by the Objector for such head with revised power purchase cost and SBI PLR rate of 13.45% and 13.80% for 2018 – 19 and 2019 – 20 respectively as per regulation 5.6.5.1, instead of projection of Rs 1245.80 Crore in 2018 – 19 and Rs. 943.69 Crore in 2019 – 20.

The Commission has noted the suggestion. The Commission has considered applicable interest rate as per provision in the regulation on the admitted working capital requirement on the admitted tariff elements of distribution activity of DVC in West Bengal. The issues have been dealt with justifications in para 5.7 of Chapter-5

- 4.2.11 It is prayed to disallow the adjustment of Revenue on account of Orders dated 31.05.2021 and 19.07.2021 of the Commission pertaining to APR of DVC for FY 2006 – 09 and FY 2009 – 14 as claimed by the Petitioner, since the objector has filed appeals in the Appellate Tribunal against the said orders which are sub-judice and there was revenue surplus for 2017 – 18 as per computation of DVPCA.

- 4.2.12 The Commission may approve ARR excluding Revenue from Licensee for DVC (West Bengal) at Rs. 3612.94 Crores and Revenue Surplus of Rs. 415.10 for 2018 – 19 and Rs 3619.90 crore and final revenue surplus of Rs 287.00 Crores as computed by the Objector.

Regarding para 4.2.11 and 4.2.12, the Commission has adjusted the balance revenue gap along with carrying cost as per the APR order dated 19.07.2021 and the issues have been dealt with justifications in para 6.1 and 6.5 of Chapter-6.

- 4.2.13 The Petitioner has proposed increasing the tariff rates based on its ARR submissions. DVPCA claimed to have demonstrated that there would be a revenue surplus, due to which, there ought to be a tariff reduction instead of a tariff hike.



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The contention is noted by the Commission. The Commission has determined average tariff in para 6.6 based on which tariff schedule has been provided in Chapter-7 and the issues have been dealt in para 6.6 of Chapter-6.

- 4.2.14 Regarding proposed change in Load Factor incentive structure (para 3.2.22 of this order) by the licensee, the objector has prayed the Commission to conduct stakeholder consultation process before approving the modification sought by the petitioner since the same amounts to modification of Regulations.

The contention is noted by the Commission. The Commission has not envisaged any incentive structure or any other issue in this tariff order which violate regulations. The issues have dealt in para 7.2.3 and 7.3.3 of Chapter-7.

- 4.3 Steel Authority of India Limited (SAIL) has submitted that –

- 4.3.1 The Tariff Petition filed by DVC is incomplete and not in accordance with the statutory format prescribed by the WBERC (Terms and Conditions of Tariff) Regulation 2011. In the petition, at para 3, DVC has alleged that the "Tariff Regulations as generally proposed for other utilities cannot be applied to DVC and there are inherent requirement to adopt appropriate deviations for DVC'. This claim for deviation has been rejected by the Hon'ble High Court at Calcutta in W.P.No.10469 (W) of 2017 (Lalwani Ferro Alloys Ltd &Anr. Vs. Damodar Valley Corporation & Ors.) by order dated June 12, 2019.

In the instant tariff petition, DVC has submitted the instant petition with applicable statutory forms.

- 4.3.2 Since the application is not in accordance with Tariff Regulations which is mandated by the order dated 12.6.2019 passed by the Hon'ble High Court at Calcutta, the Objector is filing this preliminary objection and after a Tariff Petition is filed in accordance with law, the Objector craves to file a comprehensive objection and suggestion.

DVC has submitted the instant petition under applicable statutory forms.



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- 4.3.3 In the tariff orders dated 08.12.2017 and 20.05.2021, passed in case no TP-71/16-17, the Commission directed DVC to submit its investment proposal for Universal Supply Obligation. In the writ petition WP 26442 (W) of 2016, the Hon'ble High Court at Calcutta also by its order dated 09.01.2017 directed DVC to file the investment proposal within four weeks therefrom. But, till date such investment proposal has not been filed by DVC. In the event the Commission proceeds to consider this application without the application for investment proposal submitted by DVC, it shall tantamount towards acting contrary to law and authority. In the premises proceedings under section 142 of the Electricity Act 2003 should be drawn up against DVC and its concerned officers and till such investment proposal is filed, any application filed by the DVC should not be considered.

However, the Hon'ble High Court at Calcutta vide order dated 13.01.2022 in case No: W.P.A. No. 153 of 2022 directed this Commission to determine the retail tariff for the period 2017-2018, 2018 – 19 and 2019 – 20.

- 4.3.4 From the Annual Report of DVC for the year 2018-19, it appears that DVC has earned Rs. 12,853 lakhs towards sale of water and had other income of Rs. 43,332 lakhs. Schedule 5 Para- 2.1 of the Tariff Regulations provides that ARR is to be reduced by amount of Non-Tariff Income. Therefore, it is submitted that income from sources other than sale of power to the control area consumers are to be adjusted from ARR.

The Commission has noted the suggestion and has dealt the issues with justifications in para 5.16 of Chapter-5.

- 4.3.5 From the Tariff Petition (page 137), it appears that out of the installed capacity of 7107.2 MW only 1407.2 MW is required for the core area consumers including the Objectors. Sale to outside control area was considered as "Trading" by CERC while passing the order dated 03.10.2006. Therefore, DVC should be directed to furnish the figure of the profit earned from Trading and income from other sources than sale of power and the same should be adjusted in the ARR by the Commission, after a prudent check.

The Commission has not considered the energy for sale to others and cost thereof in the input cost calculation for distribution activity for consumers and licensee in radial mode in



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West Bengal part of DVC command area. Thus, sharing of gain from such activities with consumers does not arise.

- 4.3.6 DVC has claimed an escalation of 2.5% on the AFC allegedly on the basis of an order passed by the Ld. Jharkhand State Electricity Regulatory Commission. The Annual Reports of DVC for the year 2018-19 and 2019-20 have already been published. Therefore, there is no necessity for any projected figures. The question of ad-hoc escalation does not and cannot arise.

The Commission has noted the suggestion and has dealt the issue with justifications in para 5.5.10 of Chapter-5.

- 4.3.7 In the Tariff Petition it is alleged that some consumers are not paying the tariff bills to DVC and DVC has sought to recover the same in the projected tariff. The balance sheet of the DVC for the year 2018-19 (pg- 71) shows that gross outstanding on account of supply of power is Rs. 8086 Crores. For default on the part of DVC to realize its dues from defaulting consumers, the paying consumers cannot be saddled with any liability. The Commission may kindly disallow any claim by DVC on account of unrealized tariff or revenue gap.

The Commission has considered revenue gap only for the admitted amount in the APR Order for 2006 – 07 to 2008 – 09 and no other amount as referred to above is considered.

- 4.3.8 In its Tariff Petition DVC has claimed Water Cess, Pollution Cess, Labour Welfare Cess etc. on projection basis. The Annual Reports of DVC for the tariff period i.e. 2018-19 and 2019-20 have already been published and the question of allowing any expense on projection basis does not and cannot arise. It is submitted that the said Cess are part of generation tariff and having disallowed by CERC cannot be considered by this Commission.

The Commission noted the suggestion. The issues have been appropriately addressed in para 4.2.4 of this chapter and dealt with justifications in para 5.8 of Chapter-5.



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- 4.3.9 Similarly, the Commission may consider the cost of power purchase on the basis of Annual Reports after prudent check.

The Commission noted the suggestion. The issues have been appropriately addressed in para 4.2.3 of this chapter and dealt in para 5.6 of Chapter-5.

- 4.3.10 There seems to be anomaly in the rate of power purchased by DVC from Central Sector Utilities like NTPC, NHPC etc. The tariff of different units of NHPC are available in the public domain. DVC claims that it purchases power from Rangeet and Teesta Units of NHPC and the rates mentioned in the Tariff Petition are Rangeet - Paise 391 per unit and Teesta – Paise 245.30 per unit whereas the Tariff published by NHPC for the said units are Paise 381 and Paise 233 respectively. Further DVC has claimed an escalation for the tariff period 2019-20. Whereas the tariff published by NHPC provide that the tariff of FY 2018-19 shall be applicable till tariff order for the period 2019-24 are issued by CERC. The Commission may conduct a prudent check on the purchase of power by DVC from Central Sector Utilities.

The Commission has noted the contentions of SAIL; The Commission has applied prudence on the projections in the instant petition made by DVC as required under regulation 2.5.1 of Tariff regulations. The increase in the projected rates from CSGS during 2018 – 19 and 2019 – 20 over such rates at actual in 2017 – 18 are found to be in consistence with corresponding inflation rate published by the Office of the Economic Advisor, the issues are dealt in para 5.6 of Chapter-5.

- 4.3.11 DVC has claimed interest on short term cash credit loan to be charged to ARR. Default on the part of DVC to realize its bills cannot be saddled on the paying consumers of the Objector. Such interest should not be allowed and the DVC should be directed to be more vigilant in collecting its bills.

The Commission noted the suggestion. The issues have been appropriately addressed in para 4.2.5 of this chapter and dealt in para 5.16 of Chapter-5.

- 4.3.12 The Objector reserves its rights to file a comprehensive objection and suggestion after a



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proper Tariff Petition in accordance with the Tariff Regulations of the Commission and in compliance with the order dated 12.06.2019 passed by the Hon'ble High Court at Calcutta is complied with by DVC and gist of the such application is published and opportunity is given to the consumers to file their objections and suggestions.

DVC has submitted the instant petition under applicable statutory forms.



CHAPTER – 5 SALES, ENERGY BALANCE AND AGGREGATE REVENUE REQUIREMENT

- 5.1 In this chapter the projection of various cost components of the Aggregate Revenue Requirement (ARR) for the MYT period 2018 – 2019 and 2019 – 2020 as submitted by DVC has been analyzed.
- 5.2 DVC has got different power stations consisting of both the thermal and hydel power stations. With a substantial portion of its energy requirement met up from its own generation resources and the balance met up from the power purchased from other resources. It takes up retail sale and supply of electricity under the provisions of Section 62 (d) read with Section 86 (1) of the Electricity Act, 2003 to the consumers in Damodar Valley area in both the States of Jharkhand and West Bengal. The proper assessment of the sales during the FY 2018 – 2019 and 2019 – 2020, for which the tariff is to be determined on perspective basis is of prime importance. The Commission is, therefore, taking up different parameters linked with sales projection of DVC and thereafter different components of the ARR and tariff of DVC for the consumers in the state of West Bengal for the aforesaid period.
- 5.3 **Consumers, connected load and energy sales:**
- 5.3.1 **Sales projection:**
- DVC has submitted that it has been supplying power to the consumers and also to the licensees viz. WBSEDCL, IPCL etc. in the state of West Bengal and JBVNL, JUSCO etc. in the state of Jharkhand at multiple supply points in consumer mode in the Damodar Valley Area in terms of the subsisting power purchase agreements. The petitioner has further submitted that projected sale to consumers and licensees in respect of distribution activity of DVC during the period of 2018-19 & 2019-20 under different supply category commensurate with their respective contract demand, power factor and load factor along with apportionment between Time of the Day (TOD) and Non-TOD have been considered in line with the past trend and actual load pattern during the first quarter of FY 2018-19. In



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the petition, the projected firm sale of DVC for the entire command area has been apportioned to Jharkhand part and West Bengal part of the DVC based on the past trend, anticipated changes and expected load growth in future. The consumption pattern of electricity (in MU) under different category and sub-category have been projected based on the actual load pattern for the first quarter of FY 2018-19. The petitioner has submitted the particulars of consumer details for different years from 2012 – 13 and corresponding sales in their command area in West Bengal which has been segregated between consumers and other licensees in radial mode (WBSEDCL and IPCL) through their supplementary submission dated 31.01.2022.

DVC has stated that since Jharkhand Bijlee Vitran Nigam Ltd. (erstwhile JSEB) has entered into a bilateral agreement with DVC to purchase power directly from KTPS U# 1 & 2 generating station of DVC in place of the existing firm mode of supply out of the pooled power of DVC from January 2019 and Indian Railways has reduced their Contract Demand from DVC to purchase power from NTPC Nabinagar generating station using DVC's T & D network in open access mode, total firm sale of DVC in Jharkhand and West Bengal state may reduce to that extent which have been considered while projecting total sale of DVC in command area during 2019 – 20 of the 6th control period.

5.3.2 The projected sale of energy in the command area of DVC in West Bengal under the control period as submitted by the petitioner is admitted by the Commission. However, this will be reviewed during truing up in the Annual Performance Review (APR) based on audited data for the concerned years.

MU

Particulars	Projected		Admitted	
	18 – 19	19 – 20	18 – 19	19 – 20
Sale to consumers in WB other than Licensee	7767.28	8235.93	7767.28	8235.93
Sale to Licensee - IPCL in radial mode	132.26	82.16	132.26	82.16
Sale to Licensee - WBSEDCL in radial mode	549.88	545.81	549.88	545.81
Total Annual Sale in WB area	8449.42	8863.90	8449.42	8863.90
Energy sales by DVC in Jharkhand area	11787.36	6939.33	11787.36	6939.33



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Particulars	Projected		Admitted	
	18 – 19	19 – 20	18 – 19	19 – 20
Total annual sale of DVC in their command area in the State of West Bengal and Jharkhand	20236.78	15803.23	20236.78	15803.23
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	41.75	56.09	41.75	56.09

5.3.3 In this context it may be pointed out that the Commission does not make any approval of sale in command area in Jharkhand. The Commission only considers such sale as projected by DVC to arrive at the total sale of DVC for the purpose of apportionment of cost under different heads.

5.3.4 Besides, DVC has projected considerable quantum of energy to the tune of 70 MU and 68 MU for consumption of DVC for the years 2018 – 19 and 2019 – 20 respectively in their total command area covering both the States of West Bengal and Jharkhand. In this connection, the Commission likes to make it clear to only allow any such energy intimately connected for use in its sub-stations etc., linked particularly with the power distribution system of DVC in West Bengal area. However, the Commission presently considers proportionate quantum of such projection subject to truing up in the APR. DVC is directed to give details with proper justification evidencing such consumptions at their own premises in their APR application for the respective years, for examination by the Commission before deciding on the issue in the APR, failing which no such consumption will be allowed in future.

5.4 Sources of energy

5.4.1 The petitioner has submitted that the total supply of energy of the petitioner to their command areas in West Bengal and Jharkhand and to other distribution licensees are met up from its own generating stations including both Thermal and Hydel Power Stations and through purchase of power from central sector generating stations (CSGS) viz., NTPC, KBUNL, NHPC, Hydro Power from Bhutan through PTC, power exchange/other utilities viz. Maithon Power Ltd. (MPL) and renewable sources. Requirements have been considered on projection basis.



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5.4.2 Generation of Power from own power stations

5.4.2.1 The quantum of ex-bus energy in MU, as projected by the petitioner during the control period, is summarized below:

Projected ex-bus Generation from own generating stations

Sl. No	Name of the generating Station	Ex- bus Energy (MU) 18 – 19	Ex- bus Energy (MU) 19 – 20
1	BTPS 'B'	803.19	702.38
2	DTPS U# 4	918.68	710.95
3	MTPS U#1 to 3	2824.59	2881.71
4	MTPS U# 4	585.20	1062.44
5	HYDEL	250.00	270.00
6	MTPS U# 5 & 6	2766.87	2956.37
7	MTPS U# 7 & 8	5403.20	6089.09
8	CTPS U# 7 & 8	3305.58	2923.91
9	DSTPS U # 1 & 2	5968.39	6089.03
10	KTPS U# 1 & 2	6222.10	6089.05
11	BTPS 'A'	2864.52	3044.59
12	RTPS U # 1&2	2716.71	5191.61
	TOTAL	34629.05	38011.14

DVC has submitted that due to old age and being unable to comply with stringent environment norms, its old units of generating stations have been de-commissioned as follows:

Name of the Unit	Date of de-commissioning
DTPS U#3	10.03.2016
CTPS U#1	13.01.2017
CTPS U#2	30.07.2017
BTPS U#1&2	30.07.2017

5.4.2.2 The petitioner has projected 100% ex-bus generation from its old generating stations installed both in the States of West Bengal and Jharkhand operating since long comprising of both thermal and small hydel power stations (Sl. No 1 to 5 of table below) for both the



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years. The petitioner has also mentioned the percentage of ex-bus generation from new generating stations to be available for their consumers after meeting the requirement of energy to be sold to other licensees outside their command area as per bilateral agreement as follows:

Projected share of net generation from own generating stations for supply in command area in West Bengal for 2018 – 19

Sl. No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for own consumers	Share of Energy for sale to consumers of DVC	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal
		(MU)	(%)	(MU)	(%)	(MU)
[1]	[2]	[3]	[4]	[5]	[6]	[(7) =(5)x(6)/100]
1	BTPS 'B'	803.19	100.00%	803.19	41.75	335.35
2	DTPS U# 4	918.68	100.00%	918.68	41.75	383.57
3	MTPS U#1 to 3	2824.59	100.00%	2824.59	41.75	1179.35
4	MTPS U# 4	585.20	100.00%	585.2	41.75	244.34
5	HYDEL	250.00	100.00%	250	41.75	104.38
6	MTPS U# 5 & 6	2766.87	68.31%	1890.1	41.75	789.17
7	MTPS U# 7 & 8	5403.20	36.93%	1995.45	41.75	833.16
8	CTPS U# 7 & 8	3305.58	3.01%	99.48	41.75	41.54
9	DSTPS U # 1 & 2	5968.39	68.92%	4113.29	41.75	1717.41
10	KTPS U# 1 & 2	6222.10	29.34%	1825.4	41.75	762.16
11	BTPS 'A'	2864.52	60.00%	1718.71	41.75	717.61
12	RTPS U # 1&2	2716.71	62.50%	1697.94	41.75	708.94
	TOTAL	34629.05	54.06%	18722.05		7816.98



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Projected share of net generation from own generating stations for supply in command area in West Bengal for 2019 – 20

Sl. No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for own consumers	Share of Energy for sale to consumers of DVC	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal
		(MU)	(%)	(MU)	(%)	(MU)
[1]	[2]	[3]	[4]	[5]	[6]	[(7) =(5)x(6)/100]
1	BTPS 'B'	702.38	100.00%	702.38	56.09	393.96
2	DTPS U# 4	710.95	100.00%	710.95	56.09	398.77
3	MTPS U#1 to 3	2881.71	100.00%	2881.71	56.09	1616.33
4	MTPS U# 4	1062.44	100.00%	1062.44	56.09	595.91
5	HYDEL	270.00	100.00%	270.00	56.09	151.44
6	MTPS U# 5 & 6	2956.37	69.07%	2042.01	56.09	1145.35
7	MTPS U# 7 & 8	6089.09	1.04%	63.18	56.09	35.44
8	CTPS U# 7 & 8	2923.91	1.24%	36.31	56.09	20.37
9	DSTPS U # 1 & 2	6089.03	26.11%	1590.06	56.09	891.85
10	KTPS U# 1 & 2	6089.05	0.72%	43.58	56.09	24.44
11	BTPS 'A'	3044.59	60.00%	1826.75	56.09	1024.61
12	RTPS U # 1&2	5191.61	62.50%	3244.76	56.09	1819.96
	TOTAL	38011.14	38.08%	14474.14		8118.43

- 5.4.2.3 The ex-bus generation from own generating stations to be available for sale to consumers of DVC have been admitted by the Commission as projected by DVC subject to truing up on the basis of audited annual accounts in the APR for the respective years.



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Admitted share of net generation from own generating stations for supply in command area in West Bengal for 2018 – 19

Sl. No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for own consumers	Share of Energy for sale to consumers of DVC	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal
		(MU)	(%)	(MU)	(%)	(MU)
[1]	[2]	[8]	[9]	[10]	[11]	$\frac{[(12)]}{=(10) \times (11) / 100}$
1	BTPS 'B'	803.19	100.00%	803.19	41.75	335.35
2	DTPS U# 4	918.68	100.00%	918.68	41.75	383.57
3	MTPS U#1 to 3	2824.59	100.00%	2824.59	41.75	1179.35
4	MTPS U# 4	585.20	100.00%	585.20	41.75	244.34
5	HYDEL	250.00	100.00%	250.00	41.75	104.38
6	MTPS U# 5 & 6	2766.87	68.31%	1890.10	41.75	789.17
7	MTPS U# 7 & 8	5403.20	36.93%	1995.45	41.75	833.16
8	CTPS U# 7 & 8	3305.58	3.01%	99.48	41.75	41.54
9	DSTPS U # 1 & 2	5968.39	68.92%	4113.29	41.75	1717.41
10	KTPS U# 1 & 2	6222.10	29.34%	1825.40	41.75	762.16
11	BTPS 'A'	2864.52	60.00%	1718.71	41.75	717.61
12	RTPS U # 1&2	2716.71	62.50%	1697.94	41.75	708.94
	TOTAL	34629.03	54.06%	18722.03		7816.98



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Admitted share of net generation from own generating stations for supply in command area in West Bengal for 2019 – 20

Sl. No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for own consumers	Share of Energy for sale to consumers of DVC	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal
		(MU)	(%)	(MU)	(%)	(MU)
[1]	[2]	[8]	[9]	[10]	[11]	[(12) =(10)x(11)/100]
1	BTPS 'B'	702.38	100.00%	702.38	56.09	393.96
2	DTPS U# 4	710.95	100.00%	710.95	56.09	398.77
3	MTPS U#1 to 3	2881.71	100.00%	2881.71	56.09	1616.33
4	MTPS U# 4	1062.44	100.00%	1062.44	56.09	595.91
5	HYDEL	270.00	100.00%	270.00	56.09	151.44
6	MTPS U# 5 & 6	2956.37	69.07%	2042.01	56.09	1145.35
7	MTPS U# 7 & 8	6089.09	1.04%	63.18	56.09	35.44
8	CTPS U# 7 & 8	2923.91	1.24%	36.31	56.09	20.37
9	DSTPS U # 1 & 2	6089.03	26.11%	1590.06	56.09	891.85
10	KTPS U# 1 & 2	6089.05	0.72%	43.58	56.09	24.44
11	BTPS 'A'	3044.59	60.00%	1826.75	56.09	1024.61
12	RTPS U # 1&2	5191.61	62.50%	3244.76	56.09	1819.96
	TOTAL	38011.13	38.08%	14474.13		8118.43

5.4.3 Power Purchase from CSGS and renewable energy sources

5.4.3.1 After meeting the energy requirement as earmarked above from its own generating stations of DVC for supply to consumers in the West Bengal command area, the balance admitted energy has been met through the power purchase from the CSGS and other sources including renewable energy during the control period. The energy projected for purchase by the



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petitioner from different sources other than renewable source has been apportioned for the balance requirement of energy for sale to consumers in West Bengal in the ratio of projected sale of energy in West Bengal area to the total projected sale of DVC during the respective years, subject to truing up with the audited accounts and annual report of the Petitioner to be submitted in relevant period. Any excess purchase in this process is excluded at the rate of average power purchase cost.

5.4.3.2 DVC has also projected purchase of power to comply with their Renewable Purchase Obligation (RPO).

5.4.3.3 DVC has accordingly indicated plan towards purchase of bundled solar power, Solar REC and Non-Solar REC of 953.14 MU and 1190.89 MU energy from Renewable energy sources for DVC command area in the state of Jharkhand and West Bengal for the years 2018 – 19 and 2019 – 20 respectively as follows:

MU		
Particulars	18 – 19	19 – 20
NTPC Solar Power	30.66	32.98
NTPC - VVNL Solar Power	38.69	40.18
Sub Total	69.35	73.16
Purchase of Solar REC	211.87	296.01
Purchase of Non Solar REC	671.92	821.72
TOTAL for DVC area in JH and WB	953.14	1190.89

But DVC has not segregated the projected purchase from such sources between West Bengal and Jharkhand. Hence, the Commission admits purchase of energy from cogeneration and renewable sources of energy including solar power for sale to consumers in West Bengal other than Licensee during the control period by applying the percentage share of sale in West Bengal on the total figure projected by DVC, in the instant tariff order. This should not be construed as giving clearance by WBERC of meeting the obligation on purchase from renewable and co-generation sources of energy in full. The RPO compliance by DVC for the control period shall be judged as per regulation. Any non-compliance of



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meeting RPO may lead to penal action in future. The quantum of renewable purchase and price thereof are subject to truing up in APR for the years 2018 – 19 and 2019 – 20.

5.4.3.4 The projection and admission of purchase of energy for sale to consumers in West Bengal including Licensee in radial mode during 2018 – 19 is as follows:

Agency	Projected			Admitted		
	Purchased Energy	CTU Grid Loss	Net Purchase	Purchased Energy	CTU Grid Loss	Net Purchase
NHPC	MU	MU	MU	MU	MU	MU
Rangit	32.60	0.65	31.95	32.60	0.65	31.95
Teesta	208.26	4.17	204.09	208.26	4.17	204.09
NTPC						
Talcher	19.66	0.39	19.27	19.66	0.39	19.27
Farakka -III	131.22	2.62	128.60	131.22	2.62	128.60
KBUNL MTPS-II	52.41	1.05	51.36	52.41	1.05	51.36
Solar Power (VVNL, NTPC)	69.35	1.54	67.81	69.35	1.54	67.81
PTC power from Bhutan						
Chukha (PTC)	170.82	3.42	167.40	170.82	3.42	167.40
Kurichu (PTC)	52.78	1.06	51.72	52.78	1.06	51.72
Tala (PTC)	180.14	3.60	176.54	180.14	3.60	176.54
MPL	1002.15	20.04	982.11	1002.15	20.04	982.11
Energy Exchange	350.00	3.50	346.50	350.00	3.50	346.50
Sub Total	2269.39	42.04	2227.35	2269.39	42.04	2227.35
Percentage of share for sale in West Bengal			41.75			41.75
Share for sale in West Bengal			929.98			929.98

The projection and admission of purchase of energy for sale to consumers in West Bengal including Licensee in radial mode during 2019 – 20 is as follows:

Agency	Projected			Admitted		
	Purchased Energy	CTU Grid Loss	Net Purchase	Purchased Energy	CTU Grid Loss	Net Purchase
NHPC	MU	MU	MU	MU	MU	MU
Rangit	32.53	0.65	31.88	32.53	0.65	31.88
Teesta	207.33	4.15	203.18	207.33	4.15	203.18
NTPC						
Talcher	14.47	0.29	14.18	14.47	0.29	14.18
Farakka -III	0.00	0.00	0.00	0.00	0.00	0.00



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Agency	Projected			Admitted		
	Purchased Energy	CTU Grid Loss	Net Purchase	Purchased Energy	CTU Grid Loss	Net Purchase
KBUNL MTPS-II	56.58	1.13	55.45	56.58	1.13	55.45
Solar Power (VVNL, NTPC)	73.16	1.60	71.56	73.16	1.60	71.56
PTC power from Bhutan						
Chukha (PTC)	169.23	3.38	165.85	169.23	3.38	165.85
Kurichu (PTC)	49.25	0.99	48.27	49.25	0.98	48.27
Tala (PTC)	179.05	3.58	175.47	179.05	3.58	175.47
MPL	1005.00	20.10	984.90	1005.00	20.10	984.90
Energy Exchange	135.00	1.35	133.65	135.00	1.35	133.65
Sub Total	1921.60	37.22	1884.38	1921.60	37.22	1884.38
Percentage of share for sale in West Bengal			56.09			56.09
Share for sale in West Bengal			1056.93			1056.93

5.4.3.5 The petitioner has projected T&D loss to the tune of 3.10 % for 2018 – 2019 and 3.05 % for 2019 – 2020 and has proposed to get composite T&D loss level adjusted in their command area forming part of the state of Jharkhand and West Bengal by the Commission. DVC has prayed that that the Commission may kindly consider the losses incurred by DVC at the transmission and distribution level in the retail supply of electricity and account for the same in a unified and equitable manner applicable both in the states of Jharkhand and West Bengal considering Regulation 2.8.6.1. The Commission has allowed distribution loss at 2.2% as per norms specified in the Tariff Regulations against the proportionate utilization of energy by the petitioner in their command area in West Bengal.

5.4.4 Energy Balance

5.4.4.1 On the basis of the analysis done in the foregoing paragraphs, the Commission admits the energy balance for supply to their command area in West Bengal for the years 2018 – 19 and 2019 – 20 as below:



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MU

Sl. No.	Particulars	Unit	Projected		Admitted	
			18 – 19	19 – 20	18 – 19	19 – 20
1	Sales within West Bengal	MU	8449.42	8863.90	8449.42	8863.90
2	Sales within Jharkhand	MU	11787.36	6939.33	11787.36	6939.33
3	Total Sales within DVC Area [(1)+(2)]	MU	20236.78	15803.23	20236.78	15803.23
4	Energy Wheeled	MU	900.00	968.00	900.00	968.00
5	Units utilized in own premises including Construction Power	MU	70.00	68.00	70.00	68.00
6	Overall Utilization [(3)+(4)+(5)]	MU	21206.78	16839.23	21206.78	16839.23
7	Proportionate utilization in West Bengal [(6) x (17)/100]	MU	8854.42	9444.98	8854.42	9444.98
8	T & D Loss (%) for West Bengal		3.10	3.05	2.20	2.20
9	T & D Loss (MU)	MU	283.08	296.71	199.18	212.46
10	Energy Requirement for DVC for distribution business in West Bengal [(7)+(9)]	MU	9137.51	9741.70	9053.60	9657.44
11	Total Energy receipt for Wheeling	MU	935.00	1010.00	935.00	1010.00
12	Proportionate Energy receipt for Wheeling for distribution business in West Bengal [(11) x (17)/100]	MU	390.39	566.5	390.39	566.5
13	Energy requirement for DVC for distribution business in West Bengal from generation and power purchase [(10) – (12)]	MU	8747.12	9175.20	8663.21	9090.94
14	Proportionate Generation available for sale within West Bengal	MU	7816.98	8118.43	7816.98	8118.43
15	Proportionate Purchase for sale in West Bengal	MU	929.98	1056.93	929.98	1056.93
16	Non Admissible energy drawal though purchase [(13) – (14) – (15)]	MU	0	0.00	83.75	84.42
17	Share of energy requirement in West Bengal against the total requirement of DVC	%	41.75	56.09	41.75	56.09

5.5 Cost arising from own generation

5.5.1 DVC being a statutory body controlled by the Central Government as envisaged under Section 79(1)(a) of the Electricity Act, 2003, the tariff for generation of electricity is decided by CERC. Similarly, in view of its activities in respect of transmission and distribution of



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power extending in multi states, the inter-state transmission and distribution being an integrated activity, DVC will again be regulated by the Central Electricity Regulatory Commission and tariff for composite T & D is to be determined by CERC in terms of Section 79(1)(c) and (d) of the Electricity Act, 2003. In regard to retail sale and supply of electricity, however, DVC will be governed by the provisions of Section 62 read in conjunction with Section 86(1) of the Electricity Act, 2003 by the respective State Commissions in the state of West Bengal and Jharkhand.

- 5.5.2 Accordingly, the generation and transmission tariff of DVC, as determined/to be determined by CERC, will be an input cost based on which the retail tariff has to be considered. Following CERC Orders have been considered by the Commission.

Sl. No	Name of Cost centre (generating Station/T&D)	Date of CERC Orders
[1]	[2]	[3]
1	BTPS 'B'	27.09.2016, 19.05.2017
2	CTPS U#1 to 3	23.09.2016
3	DTPS U# 4	20.7.2017
4	MTPS U#1 to 3	31.8.2016
5	MTPS U# 4	20.9.2016
6	HYDEL	
(a)	MHS	20.9.2016
(b)	PHS	20.9.2016
(c)	THS	23.9.2016
7	MTPS U# 5 & 6	16.3.2017
8	MTPS U# 7 & 8	03.10.2016
9	CTPS U# 7 & 8	17.2.2017
10	DSTPS U # 1 & 2	17.03.2017
11	KTPS U# 1 & 2	28.02.2017
12	BTPS 'A'	30.05.2018
13	RTPS U # 1&2	28.9.2017
14	T&D	05.02.2020, 09.08.2019

- 5.5.3 For the year 2018 – 19, the fixed charges projected to be recovered by the own generating stations of DVC are guided by PAFY (Plant Availability Factor Yearly) as per formula laid down in CERC tariff regulations 2014 and aforesaid tariff orders passed by CERC for the



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period 2014 -19 with Plant Availability Factor projected by DVC. Further, due to decommissioning of units from BTPS U # 1,2,3 CTPS U #1,2,3 and DTPS U # 3,4, as detailed previously in para 5.4.2.1, applicable fixed cost of these stations in the present MYT petition have been considered by DVC in proportion to the installed capacity of the units still under commercial operation. For the year 2019 – 20, DVC has considered 2.5% increase over Annual Fixed Cost (AFC) of 2018 – 19 as approved by CERC for its own generating stations in absence of any tariff order of CERC for the year 2019 – 2020.

5.5.4 DVC has projected PAFY for the years 2018 – 19 and 2019 – 20 as follows:

Name of the generating Station	Projected Annual Plant Availability (PAFY) (%)	
	2018 – 19	2019 – 20
BTPS 'B'	49.18	75
DTPS U# 4	62.68	74
MTPS U#1 to 3	65.03	85
MTPS U# 4	60.23	85
HYDEL	80.00	80
MTPS U# 5 & 6	72.82	85
MTPS U# 7 & 8	71.16	85
CTPS U# 7 & 8	87.41	85
DSTPS U # 1 & 2	78.54	85
KTPS U# 1 & 2	77.75	85
BTPS 'A'	72.44	85
RTPS U # 1&2	37.88	75

The Commission has noticed that the projected PAFY of three old generating stations (BTPS 'B', DTPS U#4, MTPS U#1 to 3) and two new generating stations (MTPS U# 4 and RTPS U # 1&2) for the year 2019 – 2020 are much higher as compared to the same for 2018 – 19. The Commission has further noticed that the projected PLF for 2019 – 20 is much lower with respect to projected PAFY corresponding to these old generating stations.

Thus, the Commission has admitted PAFY as projected by DVC except for the PAFY of old generating stations (BTPS 'B', DTPS U#4, MTPS U#1 to 3) for the year 2019 – 20. PAFY of old generating stations for the year 2019 – 20 has been admitted at the projected PAFY for 2018 – 19. However, for MTPS U# 4 and RTPS U # 1&2, the PLF corresponding to admitted generation in energy balance for the year 2019 – 20 are more than the



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projected/admitted PLF for 2018 – 19, hence, the PAFY for these two generating stations for 2019 – 20 are not considered as admitted in 2018 – 19 but admitted as projected in 2019 – 20. The projected and admitted PAFY for the 6th control period is summarized below, subject to truing up in APR stage:

Name of the generating Station	Projected PAFY (%)		Admitted PAFY (%)	
	2018 – 19	2019 – 20	2018 – 19	2019 – 20
BTPS 'B'	49.18	75	49.18	49.18
DTPS U# 4	62.68	74	62.68	62.68
MTPS U#1 to 3	65.03	85	65.03	65.03
MTPS U# 4	60.23	85	60.23	85
HYDEL	80.00	80	80	80
MTPS U# 5 & 6	72.82	85	72.82	85
MTPS U# 7 & 8	71.16	85	71.16	85
CTPS U# 7 & 8	87.41	85	87.41	85
DSTPS U # 1 & 2	78.54	85	78.54	85
KTPS U# 1 & 2	77.75	85	77.75	85
BTPS 'A'	72.44	85	72.44	85
RTPS U # 1&2	37.88	75	37.88	75

5.5.5 DVC has claimed contribution to Pension & Gratuity (P&G) fund and Sinking Fund in full in the petition irrespective of PAFY which has been objected by DVPCA. CERC has determined the Annual Fixed Cost (AFC) for all the generating stations of DVC including P&G fund and Sinking Fund in the respective tariff orders of each generating station for the year 2014 – 2019. The Commission has considered the AFC as determined by CERC for the respective generating stations as input cost. Commission allows the recovery of Fixed cost against each generating station as per AFC determined by CERC (column 10 of Annexure-5A, 5B) for the respective generating station based on the Plant Availability of each generating station projected by DVC (column 9 of Annexure-5A, 5B) against normative PAF as per CERC Tariff Regulations 2014 – 19 (column 8 of Annexure-5A, 5B) and percentage of share for the firm consumers in West Bengal (column 15 of Annexure-5A, 5B).



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- 5.5.6 DVC has projected the energy charge rate (ECR) of different thermal generating stations for 2018 – 19 with actual energy charge rates (based on the stipulated formula of CERC) on monthly basis for the period April - 2018 to October-2018 and for rest part of FY 2018-19, the energy charge rates have been considered with escalation of 21.66% (envisaged escalation rate of domestic coal price including transportation cost during the period from 01.10.2018 to 31.03.2019 for competitive bidding in notification dtd. 15.10.2018 of CERC).

For the year 2019 – 20, yearly escalation factor of 5.17% has been considered by DVC over the projected ECR of 2018 – 19. The yearly escalation factor has been arrived at by the petitioner by taking into consideration the average escalation in coal cost for competitive bidding during the period from October 2014 to October 2018 as issued by CERC biannually.

The average ECR for Ex-Bus generation from own thermal generating stations, projected by DVC are 275.70 p/kwh and 287.43 p/kwh for the years 2018 – 19 and 2019 – 20 respectively.

- 5.5.7 The Commission has estimated the actual ECR of thermal generating stations of DVC for the base year 2017 – 18 from Annual Report of DVC for the year 2017 – 18 as tabulated below:

Per unit Ex-Bus actual ECR of 2017 – 18		
1	Fuel Cost of thermal generating stations (Rs Lakh)	732644
2	Gross Generation of thermal generating stations (MU)	35690.893
3	Aux Energy Consumption of thermal generating stations (%)	7.22
4	Ex Bus generation of thermal generating stations (MU) [(2) x (1 – (3)%)]	33114.011
5	per unit Ex-bus generation cost (p/kwh) [(1) / (4)]	221.25

- 5.5.8 The Commission has observed the escalation rates for domestic coal for the years 2018 – 19 and 2019 – 20 from the notifications by the Central Electricity Regulatory Commission (CERC), on Annual Escalation Rates applicable for the periods for the purpose of payment and estimates the average coal inflation for respective years as tabulated below:



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Period	Notification No.	Annual Escalation Rates (%)
01.04.18 – 30.09.18	Eco-1/2018-CERC	0
01.10.18 – 31.03.19	Eco-2/2018-CERC	21.66
01.04.19 – 30.09.19	Eco-1/2019-CERC	0.88
01.10.19 – 31.03.20	Eco-2/2019-CERC	0

The average escalation rates for domestic coal for the years 2018 – 19 and 2019 – 20 come to 10.83% and 0.44% respectively. Now the Commission estimates the ECR for the control period provisionally as tabulated below:

Estimated Av ECR of 17 – 18	CERC Av Coal escalation of 18 – 19	Estimated Av ECR of 18 – 19	CERC Av Coal escalation of 19 – 20	Estimated Av ECR of 19 – 20
P/kwh	%	P/kwh	%	P/kwh
A	B	$C=A(1+B\%)$	D	$E=C(1+D\%)$
221.25	10.83	245.21	0.44	246.29

- 5.5.9 The Commission has considered average energy charge rate (ECR) of own generating stations as tabulated below, subject to truing up in APR stage:

Average Energy Charge Rate (P/kwh)			
Projected		Admitted	
18 – 19	19 – 20	18 – 19	19 – 20
275.70	287.43	245.21	246.29

- 5.5.10 DVC has considered AFC in tariff orders passed by CERC for the period 2014 -19 for determination of fixed charges for the year 2018 – 19, factoring the decommissioning of units as detailed previously in para 5.4.2.1 before applying the formula laid down in CERC tariff regulations 2014 with Plant Availability Factor. For the year 2019 – 20, DVC has considered 2.5% increase over Annual Fixed Cost (AFC) of 2018 – 19 as approved by CERC for its own generating stations in absence of any tariff order of CERC for the year 2019 – 2020. The Commission has noted that tariff orders of DVC for the period 2019 –



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2024 are yet to be issued by CERC but at the same time it is observed that AFC approved by CERC for DVC are not always incremental as tabulated below:

Name of Cost Centre (generating Station/T&D)	14 – 15	15 – 16	16 – 17	17 – 18	18 – 19
BTPS 'B'	24342.36	25508.24	27338.06	28080.09	28610.72
DTPS U# 3&4	16963.23	18141.02	18430.62	18252.48	18749.82
MTPS U#1 to 3	31724.47	32493.58	33354.26	34614.58	36206.46
MTPS U# 4	15781.80	15938.25	16288.93	14929.23	11893.13
MHS	2886.36	3027.37	3174.19	3327.41	3490.11
PHS	2110.37	2539.69	2683.86	2487.97	2576.61
THS	767.76	817.67	870.21	925.84	985.27
MTPS U# 5 & 6	48206.68	47262.46	46367.78	46358.38	47377.80
MTPS U# 7 & 8	111191.37	108636.85	106235.87	104110.68	101920.61
CTPS U# 7 & 8	55986.48	55216.14	54467.83	53806.68	53060.03
DSTPS U # 1 & 2	121631.19	119270.98	116104.88	113267.29	110416.69
KTPS U# 1 & 2 [1]	103617.49	114877.21	117669.11	119812.01	117573.67
BTPS 'A' [2]	NA	NA	70955.72	72981.34	77188.94
RTPS U # 1&2 [3]	NA	NA	138443.65	139837.31	139554.82
T&D	47762.53	49416.67	37256.35	37160.95	37352.27
Notes:					
1) KTPS 1&2: Rs 58205.15 lakh for 01.04.2014 to 13.06.2014 and Rs 115165.65 lakh for 14.06.2014 to 31.03.2015					
2) BTPS A: COD on 23.02.2017					
3) RTPS U#1&2: COD on 31.3.2016					

Therefore, the AFC determined by CERC for the year 2018 – 19 has been considered by the Commission for both the years of control period i.e 2018 – 19 and 2019 – 20 in the instant tariff order for determination of fixed cost of own generating stations of DVC for its consumers, subject to truing up of fixed costs on the basis of the subsequent APR orders of CERC. The basis of estimation of Fixed Cost has been computed taking the projected running days as well as the plant availability factor as projected by the Petitioner in the relevant years with the corresponding normative values.

- 5.5.11 The station wise fixed charge, energy charge of different power stations of DVC in 2018 – 19 and 2019 – 20, for consumers and other licensee in radial mode in West Bengal part of DVC command area, on the basis of availability and percentage utilization by the consumers



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in command area of West Bengal have been shown in Annexures 5A and 5B and have been summarized as follows:

Own Generation cost								
Year	Projected (Rs lakh)				Admitted (Rs lakh)			
	Fixed Cost	Energy charge	Total	share of West Bengal	Fixed Cost	Energy charge	Total	share of West Bengal
18 – 19	300648.93	509266.99	809915.92	338162.48	300001.67	452952.65	752954.32	314379.43
19 – 20	269999.11	408270.71	678269.82	380435.88	249817.73	349833.52	599651.25	336339.39

5.5.12 Station wise computation of fixed charge and energy charge, as considered by the Commission for sale to consumers of DVC in the command area in West Bengal are subject to truing up in future tariff order or APR order as per provision of the Tariff Regulations.

5.6 Purchase cost from CSGS and Renewable Sources for sale to consumers in the command area in West Bengal

5.6.1 Overall, for consumers of DVC in West Bengal and Jharkhand, Rs 80199.40 lakh and Rs 64479.24 lakh are projected for gross purchase of conventional power of 2200.04 MU and 1848.44 MU which are found to be @ 364.54 p/kwh and 348.83 p/kwh for the years 2018 – 19 and 2019 – 20 respectively. The proportionate projection for West Bengal part of DVC are Rs 334500.75 lakh and Rs 36166.41 lakh respectively. The source wise rate of power purchase from conventional power is tabulated below:

Source	Projected average rate (P/kwh)	
	2018 – 19	2019 – 20
NHPC		
Rangit	391.00	403.38
Teesta	245.30	247.13



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Source	Projected average rate (P/kwh)	
	2018 – 19	2019 – 20
NTPC		
Talcher	315.63	331.24
Farakka -III	449.32	293.47
KBUNL MTPS-II	503.48	516.07
PTC		
Chukha	229.00	229.00
Kurichu	203.00	203.00
Tala	202.00	202.00
MPL	384.56	398.78
Energy Exchange	500.00	450.00

5.6.2 Incidental charges related to power purchase viz Transmission charge to CTU for availing the transmission corridor (POC charges), ULDC charges, POSOCO charges etc. related to power purchase are projected at 11790.89 lakh and Rs 11909.48 lakh for consumers of DVC in West Bengal and Jharkhand.

5.6.3 DVC has projected Rs 91990.29 Lakh in 2018 – 19 for Power Purchase Cost (Rs 80199.40 lakh for purchase of conventional power + Rs 11790.89 lakh for associated Transmission & Other Charges), excluding power purchase cost of renewable power, for sale in DVC command area. Proportional projection for West Bengal part of DVC command area comes to Rs 38408.51 lakh.

Projected power purchase cost is Rs 76388.72 Lakh for the year 2019 – 20 (Rs 64479.24 lakh for purchase of conventional power + Rs 11909.48 lakh for associated Transmission & Other Charges), excluding power purchase cost of renewable power, for DVC command area. Proportionate projection for West Bengal part of DVC command area comes to Rs 42845.80 lakh.

5.6.4 The Commission considers the power purchase cost based on projection excluding cost of solar power and transmission and other incidental charges for the year 2018 – 19 as tabulated below:



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Agency	Projected			Considered		
	Gross Purchased Energy	rate	Purchase Cost	Gross Purchased Energy	rate	Purchase Cost
NHPC	MU	p/kwh	(Rs Lakh)	MU	p/kwh	(Rs Lakh)
Rangit	32.60	391.00	1274.74	32.60	391.00	1274.66
Teesta	208.26	245.30	5108.56	208.26	245.30	5108.62
NTPC						
Talcher	19.66	315.63	620.40	19.66	315.63	620.53
Farakka -III	131.22	449.32	5896.05	131.22	449.32	5895.98
KBUNL MTPS-II	52.41	503.48	2638.99	52.41	503.48	2638.74
Solar Power	69.35	1065.85	7391.12	69.35	1065.85	7391.67
PTC power from Bhutan						
Chukha (PTC)	170.82	229.00	3911.69	170.82	229.00	3911.78
Kurichu (PTC)	52.78	203.00	1071.45	52.78	203.00	1071.43
Tala (PTC)	180.14	202.00	3638.84	180.14	202.00	3638.83
MPL	1002.15	384.56	38538.67	1002.15	384.56	38538.68
Energy Exchange	350.00	500.00	17500.00	350.00	500.00	17500.00
Total Purchase cost including Solar Power	2269.39	385.97	87590.52	2269.39	385.97	87590.91
Total Purchase cost excluding Solar Power	2200.04	364.54	80199.40	2200.04	364.54	80199.24

The Commission considers the power purchase cost based on projections excluding cost of solar power and transmission and other incidental charges for the year 2019 – 20 as tabulated below:

Agency	Projected			Considered		
	Gross Purchased Energy	rate	Purchase Cost	Gross Purchased Energy	rate	Purchase Cost
NHPC	MU	p/kwh	(Rs Lakh)	MU	p/kwh	(Rs Lakh)
Rangit	32.53	403.38	1312.18	32.53	403.38	1312.20
Teesta	207.33	247.13	5123.60	207.33	247.13	5123.75
NTPC	0.00					
Talcher	14.47	331.24	479.47	14.47	331.24	479.30
Farakka -III	0.00	293.47	0.00	0.00	293.47	0.00
KBUNL MTPS-II	56.58	516.07	2920.03	56.58	516.07	2919.92



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Agency	Projected			Considered		
	Gross Purchased Energy	rate	Purchase Cost	Gross Purchased Energy	rate	Purchase Cost
Solar Power	73.16	1063.82	7783.35	73.16	1063.82	7782.91
PTC power from Bhutan	0.00					
Chukha (PTC)	169.23	229.00	3875.32	169.23	229.00	3875.37
Kurichu (PTC)	49.25	203.00	999.73	49.25	203.00	999.78
Tala (PTC)	179.05	202.00	3616.90	179.05	202.00	3616.81
MPL	1005.00	398.78	40077.00	1005.00	398.78	40077.39
Energy Exchange	135.00	450.00	6075.00	135.00	450.00	6075.00
Total Purchase cost including Solar Power	1921.60	376.05	72262.59	1921.60	376.05	72262.42
Total Purchase cost excluding Solar Power	1848.44	348.83	64479.24	1848.44	348.83	64479.51

5.6.5 Transmission and other incidental charges related to power purchase as projected is considered by the Commission as detailed below:

Particulars	Projected		Considered	
	18 – 19	19 – 20	18 – 19	19 – 20
POC TRANSMISSION, POSOCO, ULDC and PTC Transmission charge (Rs Lakh)	11774.89	11893.48	11774.89	11893.48
Contribution to ERPC fund (Rs Lakh)	16.00	16.00	16.00	16.00
Total (Rs Lakh)	11790.89	11909.48	11790.89	11909.48

5.6.6 The petitioner has projected purchase of bundled Solar power @ 1065.85 p/kwh for the year 2018 – 19 and @ 1063.82 p/kwh for the year 2019 – 20 from NTPC Vidyut Vyapar Nigam Limited (NVVN) and NTPC for consumers of DVC in West Bengal and Jharkhand. As per the directives of Ministry of Power (MOP), Govt. of India (GOI), the solar power from NVVN and NTPC are bundled with equal amount of coal power sourced from different generating stations of NTPC located in the eastern region. The projection of renewable energy rate is inclusive of STU transmission charges, if any. Additional solar power required to meet the RPO over the purchased solar power as per present contracts has been proposed to be met through purchase of solar REC @ 350.00 p/kwh for both the years.



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Non-solar renewable power obligation has been proposed to be met through purchase of non-solar REC @ 150.00 p/kwh for both the years.

5.6.7 The Commission finds from the copies of the directives of Ministry of Power (MOP), Govt. of India (GOI), dated 23.12.2010, 12.02.2013 and 12.09.2013, that such allocations of bundled solar power are made under Jawaharlal Nehru National Solar Mission (Phase-I), Batch-II. The Commission admits such rate of bundled solar power at 1065.85 p/kwh and 1063.82 p/kwh for the years 2018 – 19 and 2019 – 20 respectively as per regulation 6.1(v)(b) of the West Bengal Electricity Regulatory Commission (Cogeneration and Generation of Electricity from Renewable Sources of Energy) Regulations, 2013 at tariff determination stage in the instant order subject to truing up in APR for respective years. The projected rates of Solar and Non Solar REC are also admitted by the Commission.

5.6.8 Thus, the power purchase cost and transmission & associated incidental charges for DVC excluding cost of purchase of REC is allowed as below:

Particulars	Derivation	Projected		Admitted	
		18 – 19	19 – 20	18 – 19	19 – 20
Power purchase cost excluding RE	A	80199.40	64479.24	80199.24	64479.51
Transmission and other incidental charges related to power purchase	B	11790.89	11909.48	11790.89	11909.48
Power Purchase Cost including Transmission charge for DVC (Rs Lakh)	C = A + B	91990.29	76388.72	91990.13	76388.99
Percentage of share for sale in West Bengal	D	41.75	56.09	41.75	56.09
Power Purchase Cost including Transmission charge for Share of sale in West Bengal (Rs Lakh)	E = D x C	38408.51	42845.8	38408.45	42845.95
Net Power Purchase for sale in DVC (MU)	F	2269.39	1921.60	2269.39	1921.60
Net Power Purchase for Share of sale in West Bengal (MU)	G = F x D	929.98	1056.93	929.98	1056.93
Non Admissible energy for Share of sale in West Bengal (MU) from Sl. No-16 of Table under Energy Balance	H	0	0	83.75	84.42



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Particulars	Derivation	Projected		Admitted	
		18 – 19	19 – 20	18 – 19	19 – 20
Less: Non Admissible power purchase cost to supply consumer and Licensees in WB (Rs Lakh)	$I = H \times (C / F)$			3394.82	3355.93
Total cost of power purchase including Transmission charge excluding REC and Solar power for sale in West Bengal (Rs Lakh)	$J = E - I$			35013.63	39490.02

5.6.9 The cost of purchase of Solar & Non-Solar Power and REC Purchased to meet the solar & non solar RPO in the state of West Bengal are admitted at Rs 9369.40 lakh for 2018 – 19 and Rs 11212.05 lakh for 2019 – 20 as projected by DVC for its consumers in West Bengal in the tariff determination stage subject to trueing up in APR for respective years.

5.6.10 Thus the total power purchase cost including transmission & associated incidental charges and cost of purchase of Solar, Solar REC and Non Solar REC for West Bengal part of DVC are admitted as follows:

Particulars	Projected		Admitted	
	18 – 19	19 – 20	18 – 19	19 – 20
Power Purchase Cost including Transmission charge for Share of sale in West Bengal (Rs Lakh)	38408.51	42845.80	35013.63	39490.02
Cost of Solar, Solar REC and Non Solar REC for WB part (Rs Lakh)	9369.40	11212.05	9369.40	11212.05
Cost of power purchase including Tr. Charge and RPO for WB part (Rs Lakh)	47777.91	54057.85	44383.03	50702.07

5.6.11 The power purchase cost from CSGS and Renewable Sources, as admitted by the Commission for sale to consumers of DVC in the command area in West Bengal are subject to trueing up in APR for respective years.

5.7 Interest on Working Capital:

5.7.1 DVC has projected interest on working capital on power purchase cost for the years 2018



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– 2019 and 20019 – 2020 at Rs. 1152.40 lakh and Rs 1303.88 lakh respectively and tabulated below:

Particular	2018 – 19	2019 – 20
Total Power purchase cost for WB in Rs lakh	47777.92	54057.85
Working Capital Requirement in West Bengal area in Rs lakh (@ 18% of Power Purchase cost)	8600.02	9730.41
SBI PLR as per latest date (%)	13.40	13.40
Interest on working capital in Rs lakh	1152.40	1303.88

- 5.7.2 In terms of regulations 5.6.5.1 of the Tariff Regulations, as amended, working capital requirement shall be assessed on normative basis @ 18% on the base amount derived by summation of annual fixed charges and fuel and power purchase cost reduced by the amount of depreciation, deferred revenue expenditure, return on equity and other non cash expenditures such as, the provision for bad-debt, reserve for unforeseen exigencies, special appropriation against any withheld amount of previous year, arrear on account of adjustment due to Annual Performance Review , FPPCA, etc. It is also provided in the said regulation that where Monthly Variable Cost Adjustment (MVCA) exists the interest on working capital requirement will be 10% instead of 18%.
- 5.7.3 The Commission has introduced MVCA for all the distribution licensees with effect from April, 2011. The Commission, thus, considers the working capital requirement @ 10% only.
- 5.7.4 The Reserve Bank of India (RBI) has introduced the Marginal Cost of Funds based Lending Rate (MCLR) in April, 2016 to modify the existing base rate/ Retail Prime Lending Rate (RPLR) System in terms of notification dated 17.12.2015. According to the modified RBI guidelines, banks are required to calculate their MCLR which will be the internal benchmark lending rates. The actual loan pricing will be based on this benchmark depending on the credit standing of the customer and the existing relationship with the bank
- 5.7.5 The Commission vide Paragraph 6 of its order dated April 6, 2022 in Case No SM-30/21-22



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has ordered that during the tariff determination process of the ensuing years the rate of interest on working capital, assessed on normative basis, shall be based on the one year Marginal Cost of Funds based Lending Rate (MCLR) of the State Bank of India as on 1st April of the year, preceding the year for which tariff is proposed to be determined, plus 350 basis points. During APR for the concerned year interest on working capital will be allowed on the amount so assessed on normative basis or the actual amount of interest paid, whichever is less.

The Commission thus considers to admit the Interest on working capital at the rate of 11.65 % (8.15 % + 3.50 %) for the year 2018 – 19 and 12.05 % (8.55 % + 3.50 %) for 2019 – 20.

5.7.6 Accordingly, the Commission admits the following interest on Working Capital for the Command area of West Bengal subject to truing up in the subsequent period:

(Rs Lakh)

Sl. No	Particular	18-19	19 - 20
1	Total Power purchase cost for WB part of DVC	44383.03	50702.07
2	Water Cess on Generation	4.51	5.34
3	Interest on security deposit payable to West Bengal consumers	26.30	23.32
4	Diff petition filing fees to regulators and publication expenses	273.81	295.73
5	Legal Charges	88.14	155.52
6	Total [SUM (1:5)]	44775.79	51181.98
7	Rate of Working Capital Requirement	10.00%	10.00%
8	Working Capital Requirement in West Bengal area (6 x 7)	4477.58	5118.20
9	Rate of interest (%)	11.65	12.05
10	Interest on working capital (8 x 9)	521.64	616.74

5.8 Water cess, pollution cess, labour welfare cess:

5.8.1 In terms of Schedule – 5, item Sl. No. 2.1(f) of WBERC (Terms and Conditions of Tariff) Regulations, 2011, DVC has projected water cess, pollution cess, labour welfare cess etc. at Rs 20.00 lakh and Rs 25.00 lakh for the years 2018 – 19 and 2019 – 20 directly paid to the concerned authorities of the State Govt. in respect of its different generating stations located in the state of West Bengal and Jharkhand from the consumers to the extent of



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generation being used for distribution activity. With reference to CERC “Terms and Conditions of Tariff” Regulations, 2014 and Statement of Reasons (SOR) associated with the Regulation the licensee has stated that though water charges are allowed separately but no cess is included in the normative O&M rate or elsewhere in terms of CERC Tariff Regulation and such amounts of cess are not part of the generation tariff determined by CERC. The utility has also submitted sample electricity bills raised by NTPC to DVC to substantiate that Water Cess / Pollution Cess etc. are claimed separately and the same are not included in the tariff determined by CERC. The proportionate projection for West Bengal part of DVC comes to Rs 8.35 lakh and Rs 14.02 lakh for 2018 – 9 and 2019 – 20 respectively.

- 5.8.2 The Commission has estimated cess based on projected figure of DVC, share of generation to consumers in West Bengal command area of DVC as shown below:

Particulars	Derivation	Unit	18-19	19-20
Water Cess and Environmental Cess for own generation of DVC	A	Lakh	20.00	25.00
Ex-Bus Own Generation of DVC	B	MU	34629.03	38011.13
Ex-Bus Own Generation of DVC for Consumers	C	MU	18722.03	14474.13
Cess for consumers of DVC	$D=A \times (C / B)$	Lakh	10.81	9.52
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	E	%	41.75	56.09
Cess for consumers of DVC in WB part	$F=D \times E / 100$	Lakh	4.51	5.34

- 5.8.3 Thus, the admitted amount of cess for consumers and other licensee in radial mode in West Bengal area of DVC comes as shown below:

Particulars	Unit	Projected		Admitted	
		18 – 19	19 – 20	18 – 19	19 – 20
Cess for consumers of DVC in WB part	Lakh	8.35	14.02	4.51	5.34

The petitioner will submit the actual expenditure as per audited book of accounts while submitting the Annual Performance Review (APR) for the respective years.



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5.9 Interest on Security Deposit to the consumers of West Bengal:

The Petitioner has submitted a claim of interest @ 6% on the Security Deposit for the consumers of West Bengal. DVC has projected Rs. 26.30 lakh and Rs. 23.32 lakh on this score for the years 2018 – 2019 and 2019 – 2020 respectively. The Commission allows the above claim of the petitioner subject to truing up in the APR in subsequent period.

5.10 Projection of tariff petition filing fees and publication expenses:

5.10.1 The petitioner has projected fees paid / to be paid to this Commission for submission of petition for tariff determination for the control period, fees for submission of APR petitions and expenditures related to publication of the tariff petitions etc. Similarly tariff filing fees and publication expenses in respect of tariff petitions filed by DVC before CERC has also been projected in the ARR to the extent of power from those generating stations of DVC is used in distribution activity. DVC has projected Rs 76.045 lakh in 2018 – 19 and Rs 79.78 lakh in 2019 – 20 for Tariff Filing Fees related to WBERC, Rs 26.441 lakh in 2018 – 19 and Rs 27.76 lakh in 2019 – 20 for Publication Expenses related to WBERC based on the past trend. Rs 510.70 lakh in 2018 – 19 and Rs. 522.14 lakh in 2019 – 20 are projected by the licensee for Tariff filing fees & publication expenses related to CERC. The projected and admitted Tariff Filing Fees and Publication Expenses related to WBERC for 2016 – 17 in the MYT order dated 25.05.2015 were Rs 26.25 lakh and Rs 2.87 lakh respectively, totaling to Rs 29.12 lakh. The licensee has mentioned total Rs 55 lakh at actuals for 2016 – 17 for Tariff Filing Fees and Publication Expenses related to WBERC in Form E(b) of the instant petition whereas such projections for 2018 – 19 and 2019 – 20 are Rs. 102.486 lakh and Rs. 107.538 lakh respectively. DVC has not clarified in its petition, the reason behind such manifold increase of Tariff Filing Fees and Publication Expenses related to WBERC in its projection. Thus, the Commission considers Rs 57.71 lakh for 18 – 19 and nil for 19 – 20, filing fees actually paid for the instant petition, as Tariff Filing Fees related to WBERC. Publication Expenses related to WBERC for both 2018 – 19 and 2019 – 20 are allowed at Rs 2.87 lakh as admitted in the tariff order for 2016 – 17. The Tariff Filing Fees and Publication Expenses related to CERC is admitted as projected by the petitioner. The admitted amount under this head is shown as below:



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Rs lakh

Item	Derivation	Projected		Admitted	
		18 – 19	19 – 20	18 – 19	19 – 20
Tariff filing fees for WBERC	A	76.045	79.78	57.71	0.00
Publication expenses for WBERC	B	26.441	27.76	2.87	2.87
Total fees paid to WBERC and publication expense related to WBERC	C=SUM(A:B)	102.486	107.538	60.58	2.87
Tariff filing fees to CERC & related publication expenses	D	510.700	522.14	510.70	522.14
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	E	41.753	56.089	41.75	56.09
Share for above in West Bengal Area	F = D x E	213.230	292.860	213.23	292.86
Total fees paid to WBERC & CERC and publication fees as admitted by the Commission	G = C + F	315.716	400.398	273.81	295.73

- 5.10.2 In APR petitions for the respective years of 2018 – 19 and 2019 – 20, DVC will submit justification for increase in actual expense, if any, in respect of Tariff Filing Fees & Publication Expenses related to WBERC and Tariff filing fees & publication expenses related to CERC.

5.11 Transmission and distribution Expenses:

- 5.11.1 DVC projected input cost related to T&D System for FY 2018-19 & 2019-20 considering 99.50% availability after an yearly escalation of 2.5% on the AFC approved by CERC for the FY 2013-14 in the true-up order dtd. 29.09.2017 and proportionate cost for composite transmission and distribution expenses for consumers of West Bengal for the respective years has been claimed.

- 5.11.2 The Commission has noted that CERC has determined the tariff for composite transmission and distribution activities of DVC for the period 2014 – 19 vide orders dated 09.08.2019 and 05.02.2020. The Commission has considered the AFC of 2018 – 19 approved by CERC and normative transmission availability of 98.0% for both the years to arrive at the admissible amount for sale to consumers and other licensees in radial mode in West Bengal area on the basis of admitted utilization of energy during the respective year under the



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control period as below:

Sl. No	Particulars	Projected		Admitted	
		18 – 19	19 – 20	18 – 19	19 – 20
A	Normative Availability (NATAF)	98.00%	98.00%	98.00%	98.00%
B	Yearly Availability (TAFY)	99.50%	99.50%	98.00%	98.00%
C	Total Annual Transmission charge (ATC) (Rs lakh)	59375.59	60859.98	37352.27	37352.27
D	Contribution to P & G and Sinking Fund (SF) (Rs lakh)	8396.79	8606.71	0.00	0.00
E	Annual Fixed Charge (AFC) without P & G and sinking fund (Rs lakh)	50978.80	52253.27	37352.27	37352.27
F	Recoverable fixed charge as per CERC formula for respective availability	51496.35	52783.76	37352.27	37352.27
G	Total Fixed Charge for T&D in DVC command area	59893.14	61390.47	37352.27	37352.27
H	Share of Sale in WB Command area of DVC	41.75	56.09	41.75	56.09
I=G x H / 100	T&D Cost in WB Command area of DVC	25007.06	34433.40	15595.61	20950.58

5.11.3 DVC will submit truing up orders of CERC in APR stage for recovery of expenses under composite transmission and distribution network during the year.

5.12 Legal charges:

5.12.1 Legal charges of Rs 244.93 lakh for FY 2018 – 19 and Rs 1006.80 lakh for FY 2019 – 20 have been claimed by the petitioner on projection basis in respect of its distribution activity for consumers of DVC in the state of West Bengal and Jharkhand. Relevant format (Form-1.17) in terms of WBERC 'Terms and Conditions of Tariff' Regulations, 2011 and amendments thereof is submitted by them. The proportionate projection for West Bengal



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part of DVC comes to Rs 102.27 lakh for 2018 – 19 and Rs 564.71 lakh for 2019 – 20.

5.12.2 The projected and admitted legal charges in the tariff order for the year 2017 – 18 is Rs 69.20 lakh. It is not clarified in petition, the reason behind such manifold increase of legal charges in its projection. Thus, the Commission find it prudent to estimate the legal charges of DVC for Jharkhand and West Bengal for 2018 – 19 and 2019 – 20 considering the CAGR @31.33% from actual expenses mentioned in petition from 2015 – 16 to 2017 – 18.

5.12.3 The Commission has admitted legal charges in the tariff order as tabulated below, subject to truing up in APR:

Particulars	Derivation	Unit	Projected		Admitted	
			18-19	19-20	18-19	19-20
Legal Charges for distribution activity for consumers of DVC	A	Lakh	244.93	1006.80	211.11	277.27
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	B	%	41.75	56.09	41.75	56.09
Legal Charges for distribution activity for consumers of DVC in WB part	$C=A \times B / 100$	Lakh	102.27	564.71	88.14	155.52

5.13 O&M Expenses on ULDC Scheme

5.13.1 The petitioner in its submission dated 31.01.2022 has claimed Rs. 322.46 lakh and Rs. 28.29 lakh for the years 2018 – 19 and 2019 – 20 respectively for DVC command area in Jharkhand and West Bengal under O&M charges paid by DVC to PGCIL referring the order of CERC dated 14.12.2017 in petition no. 232/TT/2016 in which PGCIL submitted that Annual Maintenance Contract (AMC) of SCADA/EMS systems established under ULDC Scheme for all the constituents is the responsibility of the respective SLDCs in line with the ER-ULDC project and therefore no claim under O&M expenses charges for the same. The proportionate claim for West Bengal part of DVC comes to Rs. 134.64 lakh and Rs. 15.87 lakh for 2018 – 19 and 2019 – 20 respectively.



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- 5.13.2 The relevant portion of the above mentioned CERC order dated 14.12.2017 in the matter of approval of transmission tariff for Main SCADA EMS System-5 assets under project – “Expansion/upgradation of SCADA/EMS System of SLDCs of Eastern Region”, is reproduced below:

The petitioner (PGCIL) has submitted that Annual Maintenance Contract (AMC) of SCADA/EMS systems established under ULDC Scheme for all the constituents is the responsibility of the respective SLDCs in line with the ER-ULDC project and therefore not claimed O&M charges for the same. Therefore, no O&M Expenses are allowed for the instant assets.

- 5.13.3 The Commission has admitted ULDC charges as projected by DVC under power purchase cost in the instant MYT order. Whether O&M expenses of SCADA/EMS system of ULDC, claimed separately by DVC in the instant petition is excluded from the ULDC charges claimed under power purchase cost or not, is not clear from the submissions of DVC. Therefore, the Commission does not consider O&M expenses on ULDC Scheme at tariff determination stage. However, the Commission will review the admissibility of this tariff element on the merit of any further justification, submitted by DVC in the respective APR petitions along with Auditor's certificate.

5.14 **Rebate on sale of power**

- 5.14.1 The petitioner has prayed 'Rebate on Sale of Power' for payment and e-payment rebate allowed to consumers during the respective years for making payment within due date at Rs 5730.10 lakh in 2018 – 19 and Rs 6396.04 lakh in 2019 – 20 on projection basis, for West Bengal part of DVC.

- 5.14.2 The Commission admits the amount of Rs 5438.00 lakh being the admitted amount of 2017 – 18, for both the years of 2018 – 19 and 2019 – 20 under 'Rebate on Sale of Power' in the instant tariff order subject to trueing up in APR for respective years.

5.15 **Non-Tariff Income**

- 5.15.1 The petitioner has considered only 'Surcharge for Late Payments' at actuals at Rs 28868.31 lakh for 2018 – 19 and Rs 2173.30 lakh for 2019 – 20 in respect of distribution activity as



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income other than sale of energy for DVC command area in the state of Jharkhand and West Bengal. The petitioner has stated that the Delayed Payment Surcharge (DPS) amount for firm consumers in 2018 – 19 is Rs. 28868.31 lakh out of which DPS attributable to JBVNL is around Rs. 21066 lakh, however, from 2019-20 onwards the DPS for distribution activity reduced due to generator specific power supply to JBVNL in place of distribution sale.

- 5.15.2 The proportionate projection for West Bengal part of DVC comes to Rs 12053.32 lakh and Rs 1219.21 lakh for the years 2018 – 19 and 2019 – 20.
- 5.15.3 DVPCA has objected that claimed Rs 28868.31 lakh for 2018 – 19 and Rs 2173.30 lakh for 2019 – 20 only includes Delayed Payment Surcharge whereas the actual non-tariff incomes as per Table-24 of Audited Accounts are Rs 43209 lakh for 2018 – 19 and 50428 lakh for 2019 – 20. With reference to regulation 5.20, the objector has suggested to consider Rs 43209 lakh for 2018 – 19 and 50428 lakh for 2019 – 20 as Non-Tariff income for DVC command area in Jharkhand and West Bengal.
- 5.15.4 Any item booked under 'Other Income' in annual accounts of DVC does not necessarily qualify to be considered as Non Tariff income for its retail business. In the instant tariff petition, as per submission of DVC, only the Late Payment Surcharge is the Non Tariff income for its retail business. Therefore, in absence of further evidence, the Commission has considered only Late Payment Surcharge (LPS) or Delayed Payment Surcharge (DPS) as Non-Tariff Income for retail supply in West Bengal part of DVC in the instant tariff order. However, the Commission gives direction to DVC in subsequent paragraphs on non tariff income to be considered in respective APR.
- 5.15.5 The Commission has noted that out of Rs 28868.31 lakh as claim of Late Payment Surcharge (LPS) or Delayed Payment Surcharge (DPS) as Non-Tariff Income for the year 2018 – 19, Rs. 21066 lakh is attributable to Jharkhand Bijli Vitran Nigam Limited (JBVNL) which is in the state of Jharkhand. The Commission finds it prudent to consider Rs 7802.31 lakh (Rs 28868.31 lakh – Rs 21066 lakh) as Late Payment Surcharge from consumers of West Bengal part of DVC for 2018 – 19 in Tariff determination stage. Such charge for 2019 – 20 is considered Rs 1219.21 lakh as claimed by DVC. The petitioner will submit Auditor's



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income other than sale of energy for DVC command area in the state of Jharkhand and West Bengal. The petitioner has stated that the Delayed Payment Surcharge (DPS) amount for firm consumers in 2018 – 19 is Rs. 28868.31 lakh out of which DPS attributable to JBVNL is around Rs. 21066 lakh, however, from 2019-20 onwards the DPS for distribution activity reduced due to generator specific power supply to JBVNL in place of distribution sale.

- 5.15.2 The proportionate projection for West Bengal part of DVC comes to Rs 12053.32 lakh and Rs 1219.21 lakh for the years 2018 – 19 and 2019 – 20.
- 5.15.3 DVPCA has objected that claimed Rs 28868.31 lakh for 2018 – 19 and Rs 2173.30 lakh for 2019 – 20 only includes Delayed Payment Surcharge whereas the actual non-tariff incomes as per Table-24 of Audited Accounts are Rs 43209 lakh for 2018 – 19 and 50428 lakh for 2019 – 20. With reference to regulation 5.20, the objector has suggested to consider Rs 43209 lakh for 2018 – 19 and 50428 lakh for 2019 – 20 as Non-Tariff income for DVC command area in Jharkhand and West Bengal.
- 5.15.4 Any item booked under 'Other Income' in annual accounts of DVC does not necessarily qualify to be considered as Non Tariff income for its retail business. In the instant tariff petition, as per submission of DVC, only the Late Payment Surcharge is the Non Tariff income for its retail business. Therefore, in absence of further evidence, the Commission has considered only Late Payment Surcharge (LPS) or Delayed Payment Surcharge (DPS) as Non-Tariff Income for retail supply in West Bengal part of DVC in the instant tariff order. However, the Commission gives direction to DVC in subsequent paragraphs on non tariff income to be considered in respective APR.
- 5.15.5 The Commission has noted that out of Rs 28868.31 lakh as claim of Late Payment Surcharge (LPS) or Delayed Payment Surcharge (DPS) as Non-Tariff Income for the year 2018 – 19, Rs. 21066 lakh is attributable to Jharkhand Bijli Vitran Nigam Limited (JBVNL) which is in the state of Jharkhand. The Commission finds it prudent to consider Rs 7802.31 lakh (Rs 28868.31 lakh – Rs 21066 lakh) as Late Payment Surcharge from consumers of West Bengal part of DVC for 2018 – 19 in Tariff determination stage. Such charge for 2019 – 20 is considered Rs 1219.21 lakh as claimed by DVC. The petitioner will submit Auditor's



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certificate on Late Payment Surcharge (LPS) from consumers of only West Bengal part of DVC in APR petition for the years 2018 – 19 and 2019 – 20 for examination by the Commission.

- 5.15.6 The Commission admits Rs 7802.31 and Rs 1219.21 lakh as Non-Tariff Income for West Bengal part of DVC in the instant tariff order for the years 2018 – 19 and 2019 – 20. In the APR petition for the years 2018 – 19 and 2019 – 20, DVC shall submit clarification against each element of other income of power business of Audited Annual Accounts for the years 2018 – 19 and 2019 – 20 which are excluded by them from Non-Tariff Income in the APR petition. The Commission will decide after examination of such evidences as per provisions in the regulation.

5.16 Interest on temporary financial accommodation

- 5.16.1 The petitioner has claimed cost of Temporary Financial Accommodation at Rs 37449.30 lakh and Rs 43589.54 lakh for the years 2018 – 19 and 2019 – 20 for DVC command area in Jharkhand and West Bengal due to short term cash credit to make good the short/delayed payment by consumers including JBVNL who is the major payment defaulter, since, the Non-Tariff Income has been adjusted in the proposed ARR in which also JBVNL is the major contributor. Source wise details of such short-term cash credit (booked in the Annual Accounts under the head 'Line of Credit') in the relevant format Form 1.17(a) have been submitted by the utility. The proportionate claim for West Bengal part of DVC comes to Rs 15636.13 lakh and Rs 24449.01 lakh for the years 2018 – 19 and 2019 – 20 respectively.
- 5.16.2 DVPCA has objected to allow any amount under this head referring the APR Order dated 31.05.2021 of the Commission for the years 2009 – 10 to 2013 – 14, 'Short term Bank Borrowing (Line of Credit)' of Audited Accounts for the years 2018 – 19 and 2019 – 20, and absence of a reconciliation with the audited accounts, all detailed in para 4.2.5 of this order.
- 5.16.3 Regulation 5.6.5.4 of the Tariff Regulations specifies that the Commission may allow, if considered necessary, interest on temporary financial accommodation taken by the generating company/ licensee from any source to a reasonable extent of unrealized arrears from the consumers / beneficiaries.



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5.16.4 The Commission finds that, as per the petitioner's submission, Temporary Financial Accommodation for DVC is due to short term cash credit to make good the short/delayed payment by mainly JBVNL along with other consumers. This is also evident from the Audited Annual Accounts of DVC for the year 2017 – 18, that Short term line of Credit of Rs 4100 crore is for financing overdues of Jharkhand State Electricity Board and not related to the Arrears of Consumers of West Bengal. Therefore, the Commission finds it prudent not to allow any amount for Interest on temporary financial accommodation for consumers of West Bengal part of DVC in the instant tariff order.

5.17 Expenses related to Cyber Security

5.17.1 The petitioner has claimed expenses related to Cyber Security at Rs 1195.96 lakh and nil for the years 2018 – 19 and 2019 – 20 respectively for DVC command area in Jharkhand and West Bengal. The proportionate projection for West Bengal part of DVC comes to Rs 499.35 lakh and nil for the years 20018 – 19 and 2019 – 20 respectively. However, the licensee has not submitted any justification for this new tariff element to be considered by this Commission.

5.17.2 Thus, the Commission does not allow any amount under this head in the instant tariff order. However, the Commission will review the admissibility of this tariff element on the merit of justification, if any, submitted by DVC in the respective APR petitions along with Auditor's certificate.

5.18 Consultancy charges related to distribution activities

5.18.1 The petitioner has claimed expenses related under this head at nil and Rs 70.01 lakh for the years 2018 – 19 and 2019 – 20 respectively for DVC command area in Jharkhand and West Bengal. The proportionate projection for West Bengal part of DVC comes to nil and Rs 39.27 lakh for the years 2018 – 19 and 2019 – 20 respectively. However, in absence of any justification furnished by the licensee for this new tariff element, the Commission decides not to allow any amount under this head in the instant tariff order.

5.18.2 The Commission will review the admissibility of this tariff element on the merit of justification, if any, submitted by DVC in the respective APR petitions along with Auditor's certificate.



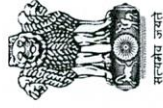
Tariff Order of DVC for the years 2018 – 2019 and 2019 – 2020

Annexure-5A

Cost of own generation for share to consumers in West Bengal for the year 2018 – 19

Sl No	Name of the generating Station	Ex-bus Energy (MU)	Percentage share of generation for firm consumers (%)	Share of Energy for sale to consumers of DVC (MU)	Share for sale to consumers in West Bengal (%)	Share of Energy for sale to consumers in West Bengal (MU)	Normative Availability NAPAF (%)	Actual Availability (PAFY) (%)	AFC as per CERC order Rs. lakh	Allowable Fixed cost for DVC consumers as per PAF Rs. lakh	Energy charge Paise/kWh	Energy charge Rs. lakh	Total Cost of Generation Rs. lakh	Cost of generation for share to consumers in West Bengal Rs. lakh
1	2	3	4	$[(5) = (3) \times (4) / 100]$	6	$[(7) = (5) \times (6) / 100]$	8	9	10	11(\$)	12	$[(13) = (5) \times (12) / 10]$	$[(14) = (11) + (13)]$	$[(15) = (14) \times (6) / 100]$
1	BTPS 'B'	803.19	100.00%	803.19	41.75	335.35	75	49.18	9536.91	6253.67	245.21	19695.02	25948.69	10834.30
2	DTPS U# 4	918.68	100.00%	918.68	41.75	383.57	74	62.68	11249.89	9528.96	245.21	22526.95	32055.91	13384.24
3	MTPS U# 1 to 3	2824.59	100.00%	2824.59	41.75	1179.35	85	65.03	36206.46	27700.07	245.21	69261.77	96961.84	40484.27
4	MTPS U# 4	585.20	100.00%	585.20	41.75	244.34	85	60.23	11893.13	8427.33	245.21	14349.69	22777.02	9510.04
5	HYDEL	250.00	100.00%	250.00	41.75	104.38	80	80	7051.99	7051.99	0.00	0.00	7051.99	2944.40
6	MTPS U# 5 & 6	2766.87	68.31%	1890.10	41.75	789.17	85	72.82	47377.80	27726.99	245.21	46347.14	74074.13	30928.02
7	MTPS U# 7 & 8	5403.20	36.93%	1995.45	41.75	833.16	85	71.16	101920.61	31511.48	245.21	48930.43	80441.91	33586.74
8	CTPS U# 7 & 8	3305.58	3.01%	99.48	41.75	41.54	85	87.41	53060.03	1596.82	245.21	2439.35	4036.17	1685.21
9	DSTPS U# 1 & 2	5968.39	68.92%	4113.29	41.75	1717.41	85	78.54	110416.69	70313.52	245.21	100861.98	171175.50	71470.55
10	KTPS U# 1 & 2	6222.10	29.34%	1825.40	41.75	762.16	85	77.75	117573.67	31550.96	245.21	44760.63	76311.59	31862.22
11	BTPS 'A'	2864.52	60.00%	1718.71	41.75	717.61	85	72.44	77188.94	39469.84	245.21	42144.49	81614.33	34076.26
12	RTPS U# 1&2	2716.71	62.50%	1697.94	41.75	708.94	85	37.88	139554.82	38870.04	245.21	41635.19	80505.23	33613.18
13	Total	34629.03		18722.03		7816.98			723030.94	300001.67		452952.65	752954.32	314379.43

Note: (\$) (11) = $[(10) \times (9) / (8)] \times (5) / (3)$



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Tariff Order of DVC for the years 2018 – 2019 and 2019 – 2020

Annexure-5B

Cost of own generation for share to consumers in West Bengal for the year 2019 – 20

Sl No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for firm consumers	Share of Energy for sale to consumers of DVC	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal	Normative Availability NAPAF	Actual Availability (PAFY)	AFC as per CERC order	Allowable Fixed cost for DVC consumers as per PAF	Energy charge	Energy charge	Total Cost of Generation	Cost of generation for share to consumers in West Bengal
		(MU)	(%)	(MU)	(%)	(MU)	(%)	(%)	Rs. lakh	Rs. lakh	Paise/kWh	Rs. lakh	Rs. lakh	Rs. lakh
1	2	3	4	$\frac{(5) \times (3)}{(4) \times 100}$	6	$\frac{(7)}{(5) \times (6) \times 100}$	8	9	10	11(\$)	12	$\frac{(13)}{(5) \times (12) \times 100}$	$\frac{(14)}{(11)} + (13)$	$\frac{(15)}{(14) \times (6) \times 100}$
1	BTPS 'B'	702.38	100.00%	702.38	56.09	393.96	75	49.18	9536.91	6253.67	246.29	17298.92	23552.59	13210.45
2	DTPS U# 4	710.95	100.00%	710.95	56.09	398.77	74	62.68	11249.89	9528.96	246.29	17509.99	27038.95	15165.92
3	MTPS U# 1 to 3	2881.71	100.00%	2881.71	56.09	1616.33	85	65.03	36206.46	27700.07	246.29	70973.64	98673.71	55345.26
4	MTPS U# 4	1062.44	100.00%	1062.44	56.09	595.91	85	85	11893.13	11893.13	246.29	26166.83	38059.96	21347.52
5	HYDEL	270.00	100.00%	270.00	56.09	151.44	80	80	7051.99	7051.99	0.00	0.00	7051.99	3955.40
6	MTPS U# 5 & 6	2956.37	69.07%	2042.01	56.09	1145.35	85	85	47377.80	32724.57	246.29	50292.66	83017.23	46563.67
7	MTPS U# 7 & 8	6089.09	1.04%	63.18	56.09	35.44	85	85	101920.61	1057.52	246.29	1556.06	2613.58	1465.94
8	CTPS U# 7 & 8	2923.91	1.24%	36.31	56.09	20.37	85	85	53060.03	658.92	246.29	894.28	1553.20	871.18
9	DSTPS U # 1 & 2	6089.03	26.11%	1590.06	56.09	891.85	85	85	110416.69	28833.68	246.29	39161.59	67995.27	38137.98
10	KTPS U# 1 & 2	6089.05	0.72%	43.58	56.09	24.44	85	85	117573.67	841.49	246.29	1073.33	1914.82	1074.01
11	BTPS 'A'	3044.59	60.00%	1826.75	56.09	1024.61	85	85	77188.94	46313.26	246.29	44991.03	91304.29	51211.81
12	RTPS U # 1&2	5191.61	62.50%	3244.76	56.09	1819.96	85	75	139554.82	76960.47	246.29	79915.19	156875.66	87990.25
13	Total	38011.13		14474.13		8118.43			723030.94	249817.73		349833.52	599651.25	336339.39

Note: (\$) (11) = $\frac{(10) \times (9) \times (8)}{(5)} \times (5) / (3)$



CHAPTER – 6

SUMMARISED STATEMENT OF AGGREGATE REVENUE REQUIREMENT & REVENUE RECOVERABLE THROUGH TARIFF FOR THE YEARS 2018 – 19 AND 2019 – 20

- 6.1 Based on the analyses and findings recorded in the foregoing chapters the statements of Aggregate Revenue Requirement (ARR) for the years 2018 – 19 and 2019 – 20 are given below:

Rs lakh

Particulars	Derivation	Projected		Admitted	
		18-19	19-20	18-19	19-20
Power Purchase Cost	A	47777.91	54057.85	44383.03	50702.07
Generation cost	B	338162.48	380435.88	314379.43	336339.39
Water Cess on Generation	C	8.35	14.02	4.51	5.34
Transmission and distribution cost	D	25007.06	34433.40	15595.61	20950.58
Interest on Working capital	E	1152.40	1303.88	521.64	616.74
Interest on security deposit payable to West Bengal consumers	F	26.30	23.32	26.30	23.32
Interest on Temporary Accommodation	G	15636.13	24449.01	0.00	0.00
Diff petition filing charges to regulators and publication fees	H	315.72	400.40	273.81	295.73
Legal Charges	I	102.27	564.71	88.14	155.52
Rebate on sale of Power	J	5730.10	6396.04	5438.00	5438.00
O&M Expenses on ULDC Scheme (As per CERC Order)	K	134.64	15.87	0.00	0.00
Consultancy Fees	L	0.00	39.27	0.00	0.00
Expenses related to Cyber Security	M	499.35	0.00	0.00	0.00
Gross Total	N=SUM(A:M)	434552.70	502133.65	380710.47	414526.69
Less: Non-tariff income	O	12053.32	1219.21	7802.31	1219.21



Tariff Order of DVC for the year 2018 – 2019 and 2019 – 2020

Particulars	Derivation	Projected		Admitted	
		18-19	19-20	18-19	19-20
Net ARR for sale to consumers and Licensees in radial mode in West Bengal	P=N - O	422499.38	500914.44	372908.16	413307.48
Sale to consumers and Licensees in radial mode in West Bengal (MU)	Q	8449.42	8863.90	8449.42	8863.90
Average Tariff for Sale to consumers and Licensees in radial mode in West Bengal (Rs/kwh)	R=P / Q	5.0003	5.6512	4.4134	4.6628
Sale to IPCL in radial mode in WB	S	5713.60	3549.31	5713.60	3549.31
Sale to WBSEDCL in radial mode in WB	T	24766.00	24582.22	24766.00	24582.22
Net ARR for Sale to consumers excluding Licensees in radial mode in West Bengal	U = P - (S+T)	392019.78	472782.91	342428.56	385175.95

- 6.2 In the APR order in respect of DVC for the years 2009 – 10 to 2013 – 14 in cases no. APR-53/15-16, the Commission had decided the following:
- 6.2.1 The entire recoverable amount of Rs. 5365.92 lakh or a part thereof shall be adjusted with the amount of Aggregate Revenue Requirement for the year 2017 – 2018 or that for any other ensuing year or through a separate order, as may be decided by the Commission.
- 6.2.2 The decision of the Commission in this regard will be given in the tariff order of DVC for the year 2017 – 2018 or any ensuing year or in a separate order.
- 6.3 In para 5.4 of the APR order dated 19.07.2021 in respect of DVC for the years 2006 – 07 to 2008 – 09 in cases no. APR-81/20 – 21, the judgement and direction of the Commission was recorded as follows:
- 6.3.1 The entire recoverable amount of Rs. 61965.91 lakh or a part thereof shall be adjusted with the amount of Aggregate Revenue Requirement for the year 2017 – 2018 or that for any



Tariff Order of DVC for the year 2018 – 2019 and 2019 – 2020

other ensuing year, as may be decided by the Commission.

- 6.3.2 In the tariff order of the Commission dated 19.06.2020, for the years 2006 – 2007 to 2008 – 2009, DVC was directed to make adjustments, if any, for over recovery or under recovery for the period from respective consumers in compliance with the order dated 05.03.2019 passed by The Hon'ble High Court, Calcutta in W.P. No 5063 (W) of 2019. In the issue of refund of excess amount billed, the Court had mentioned para 107 of APTEL order dated 10.05.2010 in which DVC was directed to adjust the excess amount recovered, along with interest at the rate of 6% per annum, in 24 equal monthly prospective instalments.
- 6.3.3 While implementing the tariff order, DVC has been passing on the carrying cost with interest @ 6% per annum to individual consumers as computed till the last instalment, in line with the order dated 05.03.2019 passed by The Hon'ble High Court, Calcutta.
- 6.3.4 Following the same principle as laid out in the Tariff order dated 19.06.2020 for the years 2006 – 07 to 2008 – 09, carrying cost at the same rate i.e. simple interest of 6% per annum will be applicable on the yearly revenue gap.
- 6.3.5 The carrying cost shall be applicable since 01.04.2007, 01.04.2008 and 01.04.2009 on the yearly revenue gaps for the years 2006 – 2007, 2007 – 2008 and 2008 - 2009 respectively, upto the period till such recoverable amount is allowed to be recovered by DVC.
- 6.3.6 The decision of the Commission in this regard will be given in the tariff order of DVC for the year 2017 – 2018 or any ensuing year.
- 6.4 The petitioner, in its submission dated 31.01.2022, DVC has computed revenue gap along with carrying cost upto March, 2022 at Rs 1191.34 crore and claimed adjustment of Rs 799.48 crore in 6th control period after deducting revenue gap of Rs. 391.85 Crore claimed in tariff petition for 2017 – 18. DVC has prayed adjustment of Rs. 399.74 Crore for each year of the 6th control period. However, DVC has proposed carrying cost amount to be computed based on the date of tariff order or the date when such recovery is allowed to DVC by this Commission.



Tariff Order of DVC for the year 2018 – 2019 and 2019 – 2020

- 6.5 The Commission in its tariff order dated 05.05.2022 for the year 2017 – 18 has adjusted with the ARR for 2017 – 2018, an amount of Rs. 5365.92 lakh of APR Order dated 31.05.2021 for the years 2009 – 10 to 2013 – 14, revenue gap of Rs 18084.90 lakh for the year 2006 – 07, Rs 16276.50 lakh carrying cost on revenue gap of Rs 18084.90 lakh computed upto 31.03.2022 as per the APR Order dated 09.07.2021 for the years 2006 – 07 to 2008 – 09 to determine the revenue to be recovered through tariff for the year 2017 – 18.

The Commission now decides to adjust with the ARR for 2018 – 2019, Rs 271.18 lakh carrying cost on revenue gap of Rs 18084.90 lakh for the year 2006 – 07 computed from 01.04.2022 to 30.06.2022, Rs 21822.00 lakh revenue gap for the year 2007 – 08, Rs 18766.92 lakh carrying cost on revenue gap of Rs 21822.00 lakh computed upto 30.06.2022, Rs 3383.85 lakh revenue gap of total 22059.01 lakh revenue gap for the year 2008 – 09, Rs 2727.08 lakh carrying cost on revenue gap of Rs 3383.85 lakh computed upto 30.06.2022 as per the APR Order dated 09.07.2021 for the years 2006 – 07 to 2008 – 09 to determine the revenue to be recovered through tariff for the year 2018 – 19.

Remaining Rs 18675.16 lakh revenue gap of total Rs 22059.01 lakh revenue gap for the year 2008 – 09, Rs 14940.13 lakh carrying cost on revenue gap of Rs 18675.16 lakh computed upto 30.06.2022 as per the APR Order dated 09.07.2021 for the years 2006 – 07 to 2008 – 09 is decided by the Commission adjust to determine the revenue to be recovered through tariff for the year 2019 – 20.

The total regulatory asset including carrying cost to be adjusted in this tariff order for 2018 – 19 and 2019 – 20 is tabulated below:

Rs lakh

Particulars	2018 – 19	2019 – 20
Carrying cost for Revenue Gap of 2006 – 07 from 01.04.22 to 30.06.22	271.18	
Revenue Gap of 2007 – 08 as per WBERC Order dtd 19.07.2021	21822.00	
Carrying Cost of 2007 – 08 @ 6%/ Year from 01.4.09 to 30.06.22	18766.92	
Revenue Gap of 2008 – 09 as per WBERC Order dtd 19.07.2021 (Rs 22059.01 lakh split between two years)	3383.85	18675.16



Tariff Order of DVC for the year 2018 – 2019 and 2019 – 2020

Particulars	2018 – 19	2019 – 20
Carrying Cost of 2008 – 09 @ 6%/ Year from 01.4.10 to 30.06.22 (Rs 17647.21 lakh split between two years)	2707.08	14940.13
Total Regulatory Asset including Carrying Cost	46951.03	33615.29

- 6.6 The Commission now works out the revenue to be recovered through tariff for 2018 – 2019 and 2019 – 2020 and the same is shown in the table below:

Particulars	Unit	Derivation	2018 – 19	2019 – 20
Net ARR for Sale to consumers excluding Licensees in radial mode in West Bengal	Rs Lakh	A	342428.56	385175.95
Total Regulatory Asset including Carrying Cost	Rs Lakh	B	46951.03	33615.29
Net ARR plus Regulatory Asset	Rs Lakh	C = A + B	389379.59	418791.24
Sale to consumers excluding Licensees in radial mode in West Bengal	MU	D	7767.28	8235.93
Average Tariff	Rs /kWh	E=C / D	5.0131	5.0849

- 6.7 On the basis of above analysis and the revenue recoverable for supply of power to the consumers as mentioned in Average Cost of supply above, the detailed tariff structure for different classes of consumers and other terms and conditions related to tariff for the years 2018 – 2019 and 2019 – 2020 are provided in chapter -7 of this order.



CHAPTER – 7

TARIFF ORDER FOR 2018 – 19 AND 2019 – 2020

- 7.1 In the previous chapter, the Commission, in accordance with the Tariff Regulations, has determined for DVC the revenue recoverable through tariff during 2018 – 2019 and 2019 – 2020 and the average tariff for the consumers of DVC in the State of West Bengal for 2018 – 2019 and 2019 – 2020 as well. The Commission now proceeds to determine the tariff schedule applicable to the consumers of DVC and also the associated conditions of tariff of DVC for 2018 – 2019 and 2019 – 2020. The Commission is passing other orders also as mentioned in subsequent paragraphs.
- 7.2 **Tariff schedule and conditions of Tariff for consumers of DVC during 2018 – 19**
- 7.2.1 For the year 2018 – 19, the Commission determines the tariff schedule for DVC considering the revenue recoverable from the consumer. Accordingly, the Tariff schedule for 2018 – 19 is given in Annexure 7A1 for LV & MV consumers and at Annexure 7A2 for HV & EHV consumers. The said tariff structure has been designed in a manner to fulfil the objective of attaining average tariff of each class of consumers within 80% to 120% of the average cost of supply (501.31 paise / kWh as per paragraph 6.6 of this order) except for lifeline consumers. For lifeline consumers the tariff has been kept at least of about 50% of average cost of supply in line with the guidelines in paragraph 8.3 of National Tariff Policy.
- 7.2.2 DVC has also projected sale of electricity at low voltage during 2018 – 19. Moreover, the Commission has already given direction to DVC to build up their LT infrastructure to give electric supply to all consumers under their area of supply in West Bengal. The Commission thus considers to specify the tariff schedule for low and medium voltage consumers.
- 7.2.3 Details of different tariff schemes of different classes of consumers and various associated terms and conditions are specified in various regulations and in Annexure C1 and Annexure C2 of the Tariff Regulations. Other associated conditions of the tariff as per tariff order for the year 2016 – 2017 shall continue during the year 2018 – 19.



Tariff Order of DVC for the year 2018 – 2019 and 2019 – 2020

- 7.2.4 All the rates and conditions of tariff mentioned above are effective from 1st April 2018.
- 7.3 **Tariff schedule and conditions of Tariff for consumers of DVC during 2019 – 20**
- 7.3.1 For the year 2019 – 20, the Commission determines the tariff schedule for DVC considering the revenue recoverable from the consumer. Accordingly, the Tariff schedule for 2019 – 20 is given in Annexure 7B1 for LV & MV consumers and at Annexure 7B2 for HV & EHV consumers. The said tariff structure has been designed in a manner to fulfil the objective of attaining average tariff of each class of consumers within 80% to 120% of the average cost of supply (508.49 paise / kWh as per paragraph 6.6 of this order) except for lifeline consumers. For lifeline consumers the tariff has been kept at least of about 50% of average cost of supply in line with the guidelines in paragraph 8.3 of National Tariff Policy.
- 7.3.2 DVC has also projected sale of electricity at low voltage during 2019 – 20. Moreover, the Commission has already given direction to DVC to build up their LT infrastructure to give electric supply to all consumers under their area of supply in West Bengal. The Commission thus considers to specify the tariff schedule for low and medium voltage consumers.
- 7.3.3 Details of different tariff schemes of different classes of consumers and various associated terms and conditions are specified in various regulations and in Annexure C1 and Annexure C2 of the Tariff Regulations. Other associated conditions of the tariff as per tariff order for the year 2016 – 2017 shall continue to prevail.
- 7.3.4 All the rates and conditions of tariff mentioned above are effective from 1st April 2019 and will continue till further order by the Commission.
- 7.4 Any adjustments in energy bills for the period from 01.04.2018 to till date shall be made by DVC in sixteen (16) equal monthly instalments in the bills from the billing month of July 2022 and onwards.
- 7.5 In addition to the tariff determined under this tariff order, DVC will be further entitled to additional sums towards enhanced cost of fuel and power purchase, if any, after the date



Tariff Order of DVC for the year 2018 – 2019 and 2019 – 2020

from which this tariff order takes effect. Thus, DVC shall compute the energy charge rate for their own generating stations as per formula given in CERC Tariff Regulations for any change in fuel price after the date of effect of this order and shall adjust the same in the adjustment to be made as per paragraph 7.4. The generation cost for own generating stations and power purchase cost are subject to adjustment in accordance with the Tariff Regulations on the basis of tariff order passed / to be passed by CERC for the respective generating units for the period 2014 – 2019 for 2018 – 19 and 2019 – 2024 for 2019 – 2020.

- 7.6 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.
- 7.7 On prayer of DVC to approve the rate of purchase of power by WBSEDCL and IPCL from DVC in radial mode, mentioned in the tariff orders for WBSEDCL vide order dated 25.08.2021 and for IPCL order dated 09.07.2021 for 2018 – 19 and 2019 – 20, as rate of sale to the licensees by DVC during the aforementioned periods while issuing the retail tariff order of DVC, the Commission decides to continue the Orders issued by the Commission on March 1, 2019 in Case No. OA-272/18-19 and Case No. OA-273/18-19. In the said orders, the Commission had stated that both the parties are at liberty to settle the issues as per the provisions of law in force.
- 7.8 This 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 DVC. If at all any such subsidy under the provisions of the Act is intimated to DVC 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 has been 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



Tariff Order of DVC for the year 2018 – 2019 and 2019 – 2020

with the Tariff Regulations, the State Government is required to communicate the decision to DVC and the Commission within 15 days from the date of receipt of the tariff order, whether it shall give any subsidy to any group of consumers etc.

- 7.9 This order passed by the Commission shall be subject to any order which may be passed by the Hon'ble High Court at Calcutta in Case No: RVW No 126 of 2021 and CAN No 1 of 2017.
- 7.10 DVC shall present to the Commission a gist of this order in accordance with regulation 2.9.6 of the Tariff Regulation within three working days from the date of receipt of this order for approval of the Commission, and on receipt of the approval, shall publish the approved gist in terms of the aforesaid regulation within four working days from the date of receipt of the approval of the Commission.



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme					
		Optional Tariff Scheme - I			Optional Tariff Scheme - II			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	
1.	Lifeline (Domestic)	D (LL)	Normal	All Units	250	5							Not Applicable
2	Domestic (Rural) or Domestic (Urban)	D(L)	Normal	First 34 Units	335	15	Prepaid	D(Lpp)	All Units	520	15	Not Applicable	Not Applicable
				Next 26 Units	380								
				Next 40 Units	495								
				Next 100 Units	535								
				Next 100 Units	555								
3.	Commercial (Rural) or Commercial (Urban) below 30 KVA	C(L)(ia)	Normal	Above 300 Units	585	30	Normal TOD	C(Lt)(ia)	All Units	535	30	Prepaid - TOD	Not Applicable
				First 60 Units	455								
				Next 40 Units	520								
				Next 50 Units	545								
				Next 150 Units	565								
4.	Irrigation	Rate C(at)	Normal TOD	Above 300 Units	595	30	Pre-Paid TOD	Rate C(atpp)	All Units	250	30	Not Applicable	Not Applicable
				06.00 hrs to 17.00 hrs	255								
				17.00 hrs to 23.00 hrs.	485								
				23.00 hrs to 06.00 hrs	153								



5.	Commercial Plantation	Rate A (Cm- Ptp)	Prepaid- TOD	06.00 hrs to 17.00 hrs	All units	525	50	Not Applicable	Not Applicable
				17.00 hrs to 23.00 hrs.	All units	774			
				23.00 hrs to 06.00 hrs	All units	315			
6.	Short Term Irrigation Supply	Rate C (stppt)	Prepaid- TOD	06.00 hrs to 17.00 hrs	All units	490	30	Not Applicable	Not Applicable
				17.00 hrs to 23.00 hrs.	All units	946			
				23.00 hrs to 06.00 hrs	All units	321			
7.	Short Term supply for Commercial Plantation	Rate A (Cm- STPtp)	Pre-paid TOD	06.00 hrs to 17.00 hrs	All units	535	50	Not Applicable	Not Applicable
				17.00 hrs to 23.00 hrs.	All units	1032			
				23.00 hrs to 06.00 hrs	All units	347			
8.	Short-term Supply	Rate STLT	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	545	50	Not Applicable	Not Applicable
				17.00 hrs to 23.00 hrs.	All units	599			
				23.00 hrs to 06.00 hrs	All units	507			



9.	Government School, Government aided School or Government Sponsored School	Rate GS(L)	Normal	On all Units	485	25	Rate GS(LT)	Normal - TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	475	25	Not Applicable					
									17.00 hrs to 20.00 hrs.	All units	523							
									23.00 hrs to 06.00 hrs	All units	461							
10.	Public utility/ Specified Institution/ Public Bodies Municipal or Non-Municipal	Rate PU(LT)	Normal	On all Units	520	30	Rate PUpp (LT)	Prepaid		On all Units	510	30	Rate PUppt (LT)	Prepaid TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	500	30
															17.00 hrs to 20.00 hrs.	All units	550	
															23.00 hrs to 06.00 hrs	All units	465	
11.	Cottage Industry / Artisan / Weavers / Small production oriented establishment not run by electricity as motive power	Rate C(L)(iii)	Normal	All Units	505	30	Rate Cppt (L) (ii)	Prepaid - TOD	06.00 hrs - 17.00 hrs	All Units	495	30	Not Applicable					
									17.00 hrs to 23.00 hrs	All Units	544							
									23.00 hrs to 06.00 hrs	All Units	460							
12.	Poultry, Duckery, Horticulture, Tissue culture, Floriculture, Herbal – Medicinal – Bio- diesel Plant Farming, Food Processing Unit	Rate C(L)(iii)	Normal	All Units	515	30	Rate Cppt (L) (iii)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All Units	505	30	Not Applicable					
									17.00 hrs to 23.00 hrs	All Units	556							
									23.00 hrs to 06.00 hrs	All Units	470							



13.	Public Water Works & Sewerage System	Rate B (II)	Normal	On all Units	505	50	Rate B (II) ppt	Prepaid - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs to 23.00 hrs	All Units	495	50	Not Applicable
14.	Industry	Rate (L)	Normal	All Units	515	50	Rate Lt(L)	Normal - TOD	17.00 hrs to 23.00 hrs	All Units	692	50	Not Applicable
15.	Street Lighting	Rate D(1)	Normal	On all Units	494	50			20.00 hrs to 23.00 hrs	All Units	325	50	Not Applicable
16.	Street Lighting with LED	Rate D(6)	Normal	On all Units	455	50			06.00 hrs to 17.00 hrs	All Units	505	50	Not Applicable
17.	Private Educational Institutions and Hospitals	Rate S (L)	Normal	On all Units	524	50	Rate St (L)	Normal TOD	17.00 hrs to 23.00 hrs	All Units	565	50	Not Applicable
18.	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	575 805 380	50			23.00 hrs to 06.00 hrs	All Units	478	50	Not Applicable



19.	Construction Power Supply	Rate D (3)	Prepaid-TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units	524	50	Not Applicable				Not Applicable		
				17.00 hrs to 20.00 hrs.	On all Units	733								
				23.00 hrs to 06.00 hrs	On all Units	346								
20.	Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises	Rate D(4)	Normal	All units		514	30	Rate D(4)t	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	504	30	Not Applicable
										17.00 hrs to 23.00 hrs	All Units	554		
										23.00 hrs to 06.00 hrs	All Units	469		
21.	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	514	50	Not Applicable				Not Applicable		
				17.00 hrs to 20.00 hrs.	On all Units	720								
				23.00 hrs to 06.00 hrs	On all Units	341								

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.



Type of Consumer		Applicable Tariff Scheme					Optional Tariff Scheme								
Sl. No		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)
					Summer	Monsoon	Winter					Summer	Monsoon	Winter	
1.	Public Utility	Rate PU (H)	Normal	All Units	474	471	468	384	Rate PU (Ht)	Normal - TOD	All Units	464	462	460	384
											06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs				
											17.00 hrs-20.00 hrs	551	548	546	
											23.00 hrs-06.00 hrs	390	388	386	
2.	Industries (11 KV)	Rate I-1 (H)	Normal	All Units	480	478	476	384	Rate I (Ht)	TOD	All Units	470	468	466	384
											06.00 hrs-17.00 hrs				
											17.00 hrs-23.00 hrs	564	562	559	
											23.00 hrs-06.00 hrs	400	398	396	
3.	Industries (33 KV)	Rate I-2 (H)	Normal	All Units	468	466	464	384	Rate I-2 (Ht)	TOD	All Units	459	457	455	384.
											06.00 hrs-17.00 hrs				
											17.00 hrs-23.00 hrs	550	548	545	
											23.00 hrs-06.00 hrs	391	388	388	
4.	Industries (132 KV)	Rate I-3 (H)	Normal	All Units	454	452	450	384	Rate I-3 (Ht)	TOD	All Units	444	442	440	384.
											06.00 hrs-17.00 hrs				
											17.00 hrs-23.00 hrs	533	530	528	
											23.00 hrs-06.00 hrs	377	376	374	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -7A2



SI 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		
					Summer	Monsoon	Winter					Summer	Monsoon	Winter			
5.		Industries (220 KV and above)	Rate I-4 (H)	Normal	All Units	439	437	435	384	Rate I-4 (Ht)	TOD	06.00 hrs-17.00 hrs	429	427	425	384.	
												17.00 hrs-23.00 hrs	515	512	510		
												23.00 hrs-06.00 hrs	365	363	361		
6.		Community Irrigation/ Irrigation	Rate AI (H)	Normal - TOD	06.00 hrs-17.00 hrs	479	475	471	60				Not Applicable				
					All Units	957	949	941									
					All Units	288	286	283									
					06.00 hrs												
7.		Commercial Plantation	Rate S (cp)	Normal - TOD	06.00 hrs-17.00 hrs	494	491	489	384				Not Applicable				
					All Units	691	687	684									
					All Units	326	324	323									
					06.00 hrs												
8.		Short Term Irrigation Supply	Rate S (stis)	Normal - TOD	06.00 hrs-17.00 hrs	494	489	484	60				Not Applicable				
					All Units	664	654	644									
					All Units	297	294	291									
					06.00 hrs												
9.		Short Term Supply for Commercial Plantation	Rate S(stcp)	Normal - TOD	06.00 hrs-17.00 hrs	504	502	500	384				Not Applicable				
					All Units	705	703	700									
					All Units	303	301	300									

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -7A2



Type of Consumer		Applicable Tariff Scheme							Optional Tariff Scheme							
SI No	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		
10.	Commercial	Rate C (H)	Normal	All Units	489	486	483	384	Rate C (Ht)	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	479	474	469	384
11.	Domestic	Rate D (H)	Normal	All Units	514	511	508	60	Rate D (Ht)	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	504	498	492	60
12.	Public Water Works & Sewerage	Rate PWW (H)	Normal	All Units	469	465	461	384	Rate PWW(Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs 17.00 hrs-20.00 hrs 23.00 hrs-06.00 hrs	All Units All Units All Units	459	454	449	384
13.	Sports Complex & Auditorium run by Govt./local bodies for cultural affairs	Rate S (c)	Normal	All Units	514	504	494	60	Not Applicable							
14.	Cold storage or Dairy with Chilling Plant	Rate S (pi)	Normal	All Units	479	474	469	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	469	463	457	384
													563	556	548	
													399	394	388	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -7A2



Type of Consumer		Applicable Tariff Scheme							Optional Tariff Scheme												
Sl No	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							
15.	Emergency Supply	Rate E (em)	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	All Units	573	571	569	384	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable						
				06.00 hrs-17.00 hrs 17.00 hrs-20.00 hrs to 23.00 hrs 23.00 hrs-06.00 hrs	All Units	802	799	797													
				06.00 hrs-17.00 hrs 17.00 hrs-20.00 hrs to 23.00 hrs 23.00 hrs-06.00 hrs	All Units	379	378	376													
16.	Construction Power Supply	Rate E (con)	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-20.00 hrs 23.00 hrs-06.00 hrs	All Units	521	519	517	384	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable						
				06.00 hrs-17.00 hrs 17.00 hrs-20.00 hrs to 23.00 hrs 23.00 hrs-06.00 hrs	All Units	729	726	724													
				06.00 hrs-17.00 hrs 17.00 hrs-20.00 hrs to 23.00 hrs 23.00 hrs-06.00 hrs	All Units	481	479	478													
17.	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	509	505	501	60	Rate S (cot)	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	499	494	489	538	60					
												510	505	500							

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -7A2



Type of Consumer		Applicable Tariff Scheme							Optional Tariff Scheme								
Sl No		Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/ month)	Energy Charge			Demand Charge (Rs./KVA/ month)				
						Summer	PikWh	Monsoon	Winter	Consumption per month in KWH	Name of the Tariff Scheme	Customer category	PikWh			Demand Charge (Rs./KVA/ month)	
													Summer	Monsoon	Winter		
18.	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	462	459	456		Not Applicable							
				17.00 hrs- 20.00 hrs	All Units	554	643	638									
				23.00 hrs- 06.00 hrs	All Units	393	303	301									
19.	Traction	Rate T	Normal	All Units		455	453	450		Not Applicable							
20.	Short-term Supply	Rate S (ST)	Normal - TOD	06.00 hrs- 17.00 hrs	All Units	563	561	559		Not Applicable							
				17.00 hrs- 23.00 hrs	All Units	685	682	679									
				23.00 hrs- 06.00 hrs	All Units	342	340	338									
21.	Private Educational Institutions	Rate E (ei)	Normal	All Units		479	476	473		Not Applicable							
										06.00 hrs- 17.00 hrs	Normal - TOD	Rate E(ei)	All Units	469	463	457	
										17.00 hrs- 23.00 hrs				All Units	515	509	502
										23.00 hrs- 06.00 hrs				All Units	480	474	467



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional 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
1.	Lifeline (Domestic)	D (LL)	Normal	All Units	252	5	Not Applicable				
2	Domestic (Rural) or Domestic (Urban)	D(L)	Normal	First 34 Units	343	15	D(Lpp)	Prepaid	All Units	528	15
				Next 26 Units	388						
				Next 40 Units	503						
				Next 100 Units	543						
				Next 100 Units	563						
3.	Commercial (Rural) or Commercial (Urban) below 30 KVA	C(L)(ia)	Normal	Above 300 Units	593	30	C(Lt)(ia)	Normal TOD	06.00 hrs to 17.00 hrs	All units	543
				First 60 Units	463						
				Next 40 Units	528						
				Next 50 Units	553						
				Next 150 Units	573						
4.	Irrigation	Rate C(at)	Normal TOD	Above 300 Units	603	30	Rate C(atpp)	Pre-Paid TOD	06.00 hrs to 17.00 hrs	All units	258
				06.00 hrs to 17.00 hrs	263						
				17.00 hrs to 23.00 hrs.	500						
				23.00 hrs to 06.00 hrs	158						



5.	Commercial Plantation	Rate A (Cm- Ptp)	Prepaid- TOD	06.00 hrs to 17.00 hrs	All units	533	50	Not Applicable	Not Applicable
				17.00 hrs to 23.00 hrs.	All units	786			
				23.00 hrs to 06.00 hrs	All units	320			
6.	Short Term Irrigation Supply	Rate C (stppt)	Prepaid- TOD	06.00 hrs to 17.00 hrs	All units	498	30	Not Applicable	Not Applicable
				17.00 hrs to 23.00 hrs.	All units	961			
				23.00 hrs to 06.00 hrs	All units	326			
7.	Short Term supply for Commercial Plantation	Rate A (Cm- StPtp)	Pre-paid TOD	06.00 hrs to 17.00 hrs	All units	543	50	Not Applicable	Not Applicable
				17.00 hrs to 23.00 hrs.	All units	1047			
				23.00 hrs to 06.00 hrs	All units	352			
8.	Short-term Supply	Rate STLT	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	553	50	Not Applicable	Not Applicable
				17.00 hrs to 23.00 hrs.	All units	608			
				23.00 hrs to 06.00 hrs	All units	514			



Sl. No.	Consumer Category	Rate GS(L)	Normal	On all Units	493	25	Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.			483	25	Not Applicable			
									06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	17.00 hrs to 20.00 hrs.	23.00 hrs to 06.00 hrs	All units					
9.	Government School, Government aided School or Government Sponsored School		Normal	On all Units	493	25	Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	17.00 hrs to 20.00 hrs.	23.00 hrs to 06.00 hrs	483	25	Not Applicable			
												531					
												469					
10.	Public utility/ Specified Institution/ Public Bodies		Normal	On all Units	528	30	Rate PU(LT)	Prepaid	On all Units			518	30	Rate PU(LT)	Prepaid TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	30
																All units	508
																17.00 hrs to 20.00 hrs.	559
																23.00 hrs to 06.00 hrs	472
11.	Cottage Industry / Artisan / Weavers / Small production oriented establishment not run by electricity as motive power		Normal	All Units	513	30	Rate C(L)(ii)	Prepaid - TOD	06.00 hrs - 17.00 hrs	17.00 hrs to 23.00 hrs		503	30	Not Applicable			
												553					
												468					
12.	Poultry, Duckery, Horticulture, Tissue culture, Floriculture, Herbal - Medicinal - Bio-diesel Plant Farming, Food Processing Unit		Normal	All Units	523	30	Rate C(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	513	30	Not Applicable			
												564					
												477					



13.	Public Water Works & Sewerage System	Rate B (II)	Normal	On all Units	513	50	Rate B (II)ppt	Prepaid - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs to 23.00 hrs 17.00 hrs to 23.00 hrs 20.00 hrs to 23.00 hrs 06.00 hrs to 23.00 hrs 06.00 hrs to 23.00 hrs 17.00 hrs to 23.00 hrs 23.00 hrs to 06.00 hrs	All Units All Units All Units All Units All Units All Units All Units	503 704 330	50	Not Applicable
14.	Industry	Rate (L)	Normal	All Units	523	50	Rate It(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	513 718 339	50	Not Applicable
15.	Street Lighting	Rate D(1)	Normal	On all Units	502	50			Not Applicable				Not Applicable
16.	Street Lighting with LED	Rate D(6)	Normal	On all Units	463	50			Not Applicable				Not Applicable
17.	Private Educational Institutions and Hospitals	Rate S (L)	Normal	On all Units	532	50	Rate St (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	522 574 485	50	Not Applicable
18.	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	583 816 385	50			Not Applicable				Not Applicable



19.	Construction Power Supply	Rate D (3)	Prepaid-TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units	532	50	Not Applicable					Not Applicable
				17.00 hrs to 20.00 hrs	On all Units	745							
				23.00 hrs to 06.00 hrs	On all Units	351							
20.	Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises	Rate D(4)	Normal	All units		522	30	Rate D(4)	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	512	Not Applicable
										17.00 hrs to 23.00 hrs	All Units	563	
										23.00 hrs to 06.00 hrs	All Units	476	
21.	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	522	50	Not Applicable					Not Applicable
				17.00 hrs to 20.00 hrs.	On all Units	731							
				23.00 hrs to 06.00 hrs	On all Units	349							

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.

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -7B2



Optional Tariff Scheme													
SI No	Type of Consumer	Applicable Tariff Scheme					Optional Tariff Scheme						
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Demand Charge (Rs./KVA/ month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/ month)	
									Summer	Monsoon	Winter		
1.	Public Utility	Rate PU (H)	Normal	All Units	384	Rate PU (Ht)	Normal - TOD	All Units	384	472	470	468	384
								All Units		560	558	556	
								All Units		396	395	393	
2.	Industries (11 KV)	Rate I-1 (H)	Normal	All Units	384	Rate I (Ht)	TOD	All Units	384	478	476	474	384
								All Units		574	571	569	
								All Units		406	405	403	
3.	Industries (33 KV)	Rate I-2 (H)	Normal	All Units	384	Rate I-2 (Ht)	TOD	All Units	384.	467	465	463	384.
								All Units		560	558	554	
								All Units		397	395	394	
4.	Industries (132 KV)	Rate I-3 (H)	Normal	All Units	384	Rate I-3 (Ht)	TOD	All Units	384.	452	450	448	384.
								All Units		542	540	538	
								All Units		384	383	381	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -7B2



Type of Consumer		Applicable Tariff Scheme							Optional Tariff Scheme							
Sl No		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		
5.	Industries (220 KV and above)	Rate I-4 (H)	Normal	All Units	447	445	443	384	Rate I-4 (Ht)	TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	437 524 371	435 522 370	433 520 368	384.	
6.	Community Irrigation/ Irrigation	Rate A1 (H)	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	487 973 293	483 965 290	479 957 288	60				Not Applicable				
7.	Commercial Plantation	Rate S (cp)	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	502 703 331	499 698 329	497 696 328	384				Not Applicable				
8.	Short Term Irrigation Supply	Rate S (stis)	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	502 672 301	497 662 298	492 652 295	60				Not Applicable				
9.	Short Term Supply for Commercial Plantation	Rate S(stcp)	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	512 717 307	510 714 306	508 711 305	384				Not Applicable				

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -7B2



Optional Tariff Scheme																
Type of Consumer		Applicable Tariff Scheme							Optional Tariff Scheme							
SI No	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												
				Summer	Monsoon	Winter				Summer	Monsoon	Winter				
10.	Commercial	Rate C (H)	Normal	All Units	497	494	491	384	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	All Units	487	482	477	384	
11.	Domestic	Rate D (H)	Normal	All Units	522	519	516	60	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	All Units	512	506	500	60	
12.	Public Water Works & Sewerage	Rate PWW (H)	Normal	All Units	477	473	469	384	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs 17.00 hrs-20.00 hrs 23.00 hrs-06.00 hrs	All Units	467	462	457	384	
13.	Sports Complex & Auditorium run by Govt./ local bodies for cultural affairs	Rate S (c)	Normal	All Units	522	512	502	60	Not Applicable							
14.	Cold storage or Dairy with Chilling Plant	Rate S (pi)	Normal	All Units	487	482	477	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	477	471	465	384
											All Units	572	565	558		
											All Units	405	400	395		

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -7B2



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional Tariff Scheme				
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Demand Charge (Rs./KVA/ month)	Energy Charge P/kWh	Consumption per month in KWH	Demand Charge (Rs./KVA/ month)	Energy Charge P/kWh		
									Summer	Monsoon	Winter
15.	Emergency Supply	Rate E (em)	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	581 813 384	579 808 381	384	Not Applicable		
16.	Construction Power Supply	Rate E (con)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs 17.00 hrs-20.00 hrs 23.00 hrs-06.00 hrs	All Units All Units All Units	529 740 489	527 738 487	384	Not Applicable		
17.	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	All Units	517	513	60	509	502	497
									558	552	547
									519	513	508

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -7B2



Type of Consumer		Applicable Tariff Scheme							Optional Tariff Scheme							
Sl No		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)	
					Pl/kWh							Summer	Monsoon	Winter		
					Summer	Monsoon	Winter									
18.	Common Services of Industrial Estate	Rate – E (ict)	Normal - TOD	06.00 hrs- 17.00 hrs & 20.00 hrs to 23.00 hrs 17.00 hrs- 20.00 hrs 23.00 hrs- 06.00 hrs	All Units	470	467	464	384			Not Applicable				
19.	Traction	Rate T	Normal	All Units	463	461	458	384			Not Applicable					
20.	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	571	569	567	384			Not Applicable				
21.	Private Educational Institutions	Rate E (ei)	Normal	All Units	487	484	481	384	Rate E(ei)	Normal - TOD	06.00 hrs- 17.00 hrs 17.00 hrs- 23.00 hrs 23.00 hrs- 06.00 hrs	477	471	465	384	
											All Units	524	518	511		
											All Units	488	482	476		



CHAPTER – 8

DIRECTIONS

- 8.1 The Commission has given some directions in different paragraphs in Chapter-5 and 6 of this order while determining the variable cost and fixed cost of DVC. DVC shall comply with those directions.
- 8.2 The Commission had given certain directions to DVC in the tariff order issued on 03.03.2017 for the year 2016 – 2017 and in the tariff order issued on 05.05.2022 for the year 2017 – 2018. The Commission also gave directions from time to time for compliance with by DVC. Some of the directions are of continuous nature and DVC has to continue with compliance of these directions.
- 8.3 All the directions called for in this chapter are in addition to what are statutorily required to be submitted, either in terms of the Act, any of the Regulations made thereunder, or both, for the purpose of submission in the Annual Performance Review of 2018 – 2019 and 2019 – 2020.
- 8.4 The carrying cost as mentioned in para 6.3 of this order, has been allowed as a special circumstance owing to the reason that the utility on earlier occasion returned the excess amount recovered from the consumers along with interest @6% pa under the order of the court. Carrying cost in general is not otherwise admissible as per Tariff Regulations. It is hereby made clear that this cannot be cited as precedence in future.

Sd/-

(PULAK KUMAR TEWARI)

MEMBER

Sd/-

(SUTIRTHA BHATTACHARYA)

CHAIRPERSON

Date : 17.06.2022

Sd/-

(Secretary)