



ORDER

OF THE

WEST BENGAL ELECTRICITY REGULATORY COMMISSION

IN CASE NO. TP – 88 / 19 – 20

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 2020 – 2021, 2021 – 22 AND 2022 – 2023

PRESENT:
SRI MALLELA VENKATESWARA RAO, CHAIRPERSON
SRI PULAK KUMAR TEWARI, MEMBER

DATE: 07.03.2024



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 application for the seventh control period consisting of the years 2020 – 21, 2021 – 2022 and 2022 – 2023 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 seventh control period was 1st April, 2020.
- 1.4 DVC submitted their application for MYT for the seventh control period on 26.02.2020, however, the admission of the MYT petition was kept in abeyance like the preceding MYT petitions since fifth control period in compliance of the order dated 09.01.2017 in W.P. 26442 (W) of 2016 filed by DVC in the Hon’ble High Court at Calcutta, pending submission of an application for investment proposal in a prescribed format pertaining to establishment of the infrastructure to give electric supply to all consumers including medium and low voltage consumers.
- 1.5 Subsequently, the tariff applications for MYT of DVC for the fifth and sixth control period had been admitted by this Commission and tariff orders were issued on 05.05.2022 and 17.06.2022



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respectively 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.

- 1.6 DVC has made an application dated 16.12.2022 before this Commission seeking approval towards the Investment Proposal for creation of necessary infrastructure to provide supply of electricity at Medium and Low Voltage consumers to meet the Universal Service Obligation (USO) in the state of West Bengal and the application of investment proposal has been admitted by this Commission on 20.02.2023 in Case No: OA – 439/22 – 23.
- 1.7 This Commission now decides to proceed with the determination of tariff against the tariff petition submitted by DVC for 2020 – 2021, 2021 – 2022 and 2022 – 2023 in Case No: TP-88/19 – 20 in accordance with the order dated 09.01.2017 in W.P. 26442 (W) of 2016 filed by DVC in the Hon'ble High Court at Calcutta.
- 1.8 DVC was thereafter directed to publish, as required under section 64(2) of the Act, the gist of the tariff application as approved by this Commission in their website and newspapers as specified in the Tariff Regulations. The gist was, accordingly, published on 04.05.2023 simultaneously in the 'Ei Samay', the 'Bartaman', 'The Statesman' and 'The Times of India'. The gist along with the tariff petition was also posted in the website of DVC. The publication invited attention of all interested parties and stakeholders to the application for determination of tariff of DVC for the seventh control period and requested for submission of suggestions, objections and comments, if any, on the tariff application, to this Commission within 24.05.2023 at the latest.
- 1.9 The suggestions, objections and comments on the aforementioned application of DVC for determination of tariff for the seventh control period was received from Steel Authority of India Limited, IISCO Steel Plant (SAIL) within the specified time limit and the same has been scrutinized in a summarized form in Chapter – 3 of the instant order.
- 1.10 This order relates to tariff petition filed by the Petitioner before this Commission for determination of ARR for the years 2020 – 2021, 2021 – 2022 and 2022 – 2023 and determination of retail tariff for 2020 – 2021, 2021 – 2022 and 2022 – 2023 for supply in Damodar Valley area falling within the territorial jurisdiction of the State of West Bengal.



CHAPTER – 2 THE SUBMISSIONS OF DVC

- 2.1 **Tariff petition of DVC for the period 2020 – 2021, 2021 – 2022 and 2022 – 2023:**
- 2.2 The net Aggregate Revenue Requirement (ARR) projected by DVC for sale to consumers including licensees in radial mode in West Bengal for the years 2020 – 2021, 2021 – 2022 and 2022 – 2023 are Rs. 499524.74 lakh, Rs 531802.22 lakh and Rs. 560352.33 lakh respectively with projected average cost of supply at 542.02 paise / kWh, 554.13 paise / kWh and 561.58 paise / kWh for the years 2020 – 2021, 2021 – 2022 and 2022 – 2023 respectively as compared to the tariff of 529.71 paise / kWh for the base year 2019 – 20. Major reasons for increase / decrease in proposed tariff by DVC for the years 2020 – 2021, 2021 – 2022 and 2022 – 2023 include increase in power purchase cost and proposed escalation of Fixed Cost of Generating Stations and T&D system of DVC.
- 2.3 The submissions of DVC in the tariff petition for the years 2020 – 2021, 2021 – 2022 and 2022 – 2023 and the salient features of their proposal have been narrated in the following paragraphs:
- 2.4 DVC undertakes generation and inter-state transmission of electricity within the meaning of Section 2 (28) and Section 2 (36) of the Electricity Act, 2003. DVC also undertakes bulk sale of electricity as a generating company to the licensees located within (JBVNL, WBSEDCL and IPCL) and outside the operational area of DVC, the applicable tariff of which is approved by the Central Electricity Regulatory Commission (CERC).
- 2.5 DVC has been supplying pooled power to its consumers and licensees (WBSEDCL, IPCL, JBVNL, JUSCO) in consumer mode within its operational area in the states of Jharkhand & West Bengal. The power pool consists of its own generation, power purchased from external sources, solar power to meet renewable purchase obligation (RPO) etc. as per the existing long-term purchase agreements of DVC. Additionally, DVC purchases power from Power Exchanges as a contingency measure to meet the



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gap between demand and supply in respect of retail consumers during shortfall in own generation due to unforeseen reasons, if any. Moreover, DVC purchases power from solar plants based on long term agreements to fulfil RPO. The generation and transmission tariff of DVC as determined by CERC becomes an input cost for computation of Aggregate Revenue Requirement (ARR) and retail Tariff in respect of sale/supply of electricity to the consumers and licensee receiving power in consumer mode.

- 2.6 Tariff philosophy, considered by DVC for the purpose of formulation and designing the tariff, is placed hereunder:
- 2.7 The projected sale to consumers and licensees in respect of distribution activity of DVC during the 7th Control Period i.e. FY 2020-21 to 2022-23 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 etc. have been considered in line with the past trend and actual load pattern during first six months of FY 2019-20.
- 2.8 DVC submits that there has been a reduction in sale of electricity in consumer mode due to reduction of Contract Demand by Indian Railways and switching over from consumer mode of supply to generator specific schedule mode of supply by JBVNL. As a consequence, total projected / estimated firm sale of DVC in Jharkhand and West Bengal state have been reduced 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 7th control period
- 2.9 Annual Fixed Cost (AFC) in respect of own Generation and T&D system of DVC for the entire 7th Control Period has been arrived at on projection basis after applying an escalation factor of 2.5% on year-to-year basis on the AFC of FY 2018-19 since Tariff orders of CERC for the current tariff period i.e. FY 2019-20 to 2023-24 is awaited at the time of filing the petition. Escalation factor of 2.5% has been considered in terms of the MYT order of DVC dated 18.05.2018 issued by Jharkhand State Electricity Regulatory Commission (JSERC) for the period FY 2016-17 to 2020-21. However, computation of capacity charge with effect from 1st April 2020 has been guided by



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Regulation 42 of CERC 'Terms and Conditions of Tariff' Regulation, 2019. 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.

- 2.10 DVC submits that while computing the energy charge rate of different own thermal generating stations on yearly basis for the 7th Control Period, an escalation factor of 1.94% over the Landed Price of Primary Fuel (LPPF) has been considered over the average of the actual LPPF of 2019-20 period up to October 2019.
- 2.11 DVC has submitted to have undertaken various initiatives for generation of solar power including roof-top arrangement.
- 2.12 Cost of power purchase from different sources viz. KBUNL, NHPC, PTC, MPL etc. and incidental expenses have been considered by DVC on projection basis for the years 2020-21 to 2022-23. Annual Fixed Cost for purchase of power from the Central Sector Generation Stations (CSGS) for the 7th Control Period has been considered with 2.5% annual escalation on the AFC in the available generation tariff for CSGS such as NHPC (hydro power), KBUNL (thermal power) etc. i.e. for FY 2018-19 as approved by CERC, in a manner similar to that adopted for the own generating stations of DVC. Energy Charge Rate for purchase from thermal power stations viz. MPL and KBUNL has been considered based on the prevailing Energy Charge Rates added with escalated rate notified by CERC. DVC has considered the cost expected to be incurred for purchase of electricity from other utilities viz. PTC, MPL etc. based on the PPA and tariff orders, the transmission charges of Power Grid Corporation (i.e. the POC charges) from whom DVC avails of transmission services based on the tariff determined by CERC and other incidental charges viz. POSOCO Charges, ULDC Charges etc. related to purchase.
- 2.13 The allocation of proposed Fixed Charges & Energy Charges of the 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 this Commission in the tariff orders of DVC already issued.



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- 2.14 DVC submitted that no Bad Debt has been claimed in the instant petition on projection basis. Bad debt written off, if any, during the ensuing years will be claimed at actuals in the Annual Performance Review based on the prevailing regulations.
- 2.15 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. In case there becomes a change in the existing rules and regulations in future, the same may be allowed to be accounted for in the tariff determination process or at the time of truing up of tariff.
- 2.16 DVC submits before this Commission to include the transmission loss or adopt composite loss in the DVC's network for finalization of energy balance and also for determination of retail tariff since the entire network of DVC is treated as a deemed unified network.
- 2.17 DVC supplies power to West Bengal State Electricity Distribution Company Ltd. (WBSEDCL) and India Power Co. Ltd. (IPCL), erstwhile DPSCO, in retail/consumer mode using own Transmission and Distribution (T&D) Network. DVC has been supplying pooled power to the licensees WBSEDCL and IPCL since inception through T & D network 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 interest to change to schedule mode, WBSEDCL did not take any confirmatory action for such change in mode of power supply.
- 2.18 This Commission in the orders dated 01.03.2019 in Case Nos. OA-272/18-19 and OA-273/18-19 related to applicability of retail tariff of DVC (in terms of the orders dated 25.05.2015, 24.08.2015 and 03.03.2017) has held that DVC's sale of power to IPCL and WBSEDCL on radial mode cannot be treated as sale of power by a generating company to a consumer and both the parties are at liberty to settle the issues as per the provisions of law now in force. Being aggrieved, DVC has preferred



Appeals before the Appellate Tribunal for Electricity (being the Appeal Nos. 190 of 2019 and 216 of 2019). Hearing on the said Appeals are yet to conclude.

- 2.19 Pending any final settlement with either WBSEDCL or IPCL, DVC has been preferring power supply bills to the licensees as per the tariff schedule last approved by WBERC in its orders dated 03.03.2017. Licensees are, however, making short payment as usual. In view of the above DVC in the present petition submits before this Commission for determination of the retail tariff to be applicable for sale of electricity to the licensees WBSEDCL and IPCL in consumer / radial mode and not through schedule and despatch mode during the 7th control period.

Salient features of the proposed Tariff

- 2.20 It is submitted that time of the day (TOD) tariff structure may be kept same, further, 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 in order to flatten the load pattern, economic use of resources, good performance and optimal investment throughout the day.
- 2.21 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 actual consumption profile during first nine months of FY 2019-20 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 dated 03.03.2017 already issued for the period 2016-17.
- 2.22 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 first nine months of FY 2019-20 but the rate of such rebate is proposed different at different voltage levels in line with the tariff order dated 03.03.2017 already issued for the period 2016-17.
- 2.23 Load Factor surcharge is proposed to be levied if the load factor falls below 30%.



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- 2.24 Load Factor rebate and surcharge is proposed to be levied on Industrial Consumers and the licensees (viz. WBSEDCL and IPCL) receiving power from DVC in consumer mode (excluding the traction load).
- 2.25 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.
- 2.26 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 dated 25.05.2015 for the period 2014-17.
- 2.27 Charges and commercial terms and conditions for determination of tariff for the 7th control period not exclusively mentioned herein above are proposed to be in line with applicable regulations and previous tariff orders issued by this Commission.
- 2.28 DVC has requested this Commission to consider the average PF for the entire month for computation of Load Factor instead of regulation 3.9.4 (iv) of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011 and suitably address the issue in the Tariff Order. As per DVC, Load Factor be computed based on the above principle for the period of recording the Maximum Demand may be higher even though the average Load Factor for the entire month may be lower for any consumer. This will happen if the consumer maintains lower PF only for the period of recording the MD. In such a case, the Load Factor computed based on the above principle will not be a true reflection of the scenario of the entire month, and the Load Factor rebate / surcharge computed therefrom will not be appropriate.
- 2.29 DVC has requested to introduce a provision for penalty in case of non-payment of Security Deposit instead of disconnection. The provision for disconnection may be exercised as a last resort; but as an initial action, penalty may be imposed on the defaulting consumers. Incorporating a provision for penalty will be appropriate because the process of disconnection involves various legal hurdles and disruption in distribution.



CHAPTER – 3

OBJECTIONS AND SUGGESTIONS

3.1 Suggestions, objections and comments on the tariff petition of DVC for the years 2020 – 2021, 2021 – 2022 and 2022 – 2023 have been received within the stipulated period of time from the person 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 this Commission on the relevant suggestions, objections, comments etc. are also recorded in this chapter.

3.2 Steel Authority of India Limited, IISCO Steel Plant (SAIL) has submitted that –

3.2.1 DVC has started recovering incremental cost of power procured from various sources by way of charging as FPPCA from April'2017 which was as per WBERC Tariff order for 2017-18 dated 05.05.2022 and Differential cost of fuel i.r.o. own generating station from April'2018 as per WBERC Tariff order for 2018-19 & 2019-20 dated 17.06.2022 and as Differential ECR & MVCA w.e.f. July 2022 in addition to the normal tariff rates determined by WBERC for 2019-20 vide its order dated 17.06.2022. The quantum of Differential ECR & MVCA charged by DVC varies every month, going up to 24.50% of ABR. In the above context, SAIL requests this Commission to apply justifiable capping to limit the monthly tariff burden as has been notified by JSERC Tariff Regulations, 2020 (CI. No. 10.65) for DVC wherein FPPPA has been capped at 10% of the variable component of the tariff.

View of this Commission:

This Commission has noted the contentions of SAIL.

3.2.2 In the Tariff Petition for 7th Control Period, DVC has taken into account relevant formats related to the distribution and retail supply tariff for FY 2020 - 21 to 2022-23 as per the applicable tariff regulations. In support thereto DVC has furnished the details of the calculation in Annexure-12. It is submitted that the calculation has not been clearly set out or explained in the petition. It is submitted that in the calculation so given in Annexure-12, the base year for 7th Control Period has been considered



as FY 2019-20 but the tariff rate has been considered as notified in the 2016-17 Tariff Order by WBERC in Form 2.6. Demand charges for 220 kV has been incorrectly considered as Rs 347.07/KVA/month and for 33 kV as Rs 388.10/KVA/month instead of Rs 384/KVA/month notified by WBERC. Therefore, DVC should be directed to furnish a proper calculation with revised figures after a prudence check.

View of this Commission:

This Commission has noted the contentions of SAIL; The issue of Demand charges is decided in Chapter-6.

- 3.2.3 SAIL submits that on a closer examination of the calculation methodology related to the determination of tariff it has been observed that proposed demand charges of 7th Control Period is 2.5 % times more than the demand charges for the base year i.e., 2019 - 20 which has considerably reduced to almost half in the 8th Control Period with respect to the base year of 2022-23. Therefore, DVC may be directed to revisit the methodology of calculation related to the proposed demand charges for both the control periods after a prudent check.

View of this Commission:

This Commission has noted the contentions of SAIL; The issue of Demand charges is decided in Chapter-6.

- 3.2.4 The objector SAIL beseeches this Commission for a physical hearing before it, as is being followed by State Electricity Regulatory Commissions in Jharkhand, Odisha, Chhattisgarh, Tamil Nadu and Maharashtra where SAIL operates integrated steel plants/special steel plants as in the state of West Bengal.

View of this Commission:

The Hon'ble High Court at Calcutta in the Order dated 29.04.2015 in M.A.T. No 1984 of 2014, CAN 10875 of 2014 with F.M.A. No. 4319 of 2014 and CAN 9152 of 2014 has already decided that stakeholders are not entitled to oral hearing as of right or on equitable principles in the course of fixation of retail / distribution tariff under the Act of



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2003 and the State Commission is not duty bound to give oral hearing (to the stakeholders) in course of such tariff fixation. Commission invites suggestions and objection from the public and the stake holders on the petitions filed by the licensees as per provision of the Electricity Act 2003.

- 3.2.5 SAIL appeal to this Commission for notifying the tariff orders from a prospective date from the date of notification of the orders. It is submitted that such a practice is being followed in the above mentioned states by the respective SERCs. This proposition shall not put any financial burden on consumers, which as per past practice has also led to litigation and delays in timely implementation of the tariff orders.

View of this Commission:

This Commission has noted the suggestion; The issue is decided in Chapter – 6 of this order.



CHAPTER – 4 SALES, ENERGY BALANCE AND AGGREGATE REVENUE REQUIREMENT

4.1 In this chapter, the projection of various cost components of the Aggregate Revenue Requirement (ARR) for the MYT period 2020 – 2021, 2021 – 2022 and 2022 – 2023 as submitted by DVC has been analyzed.

4.2 DVC has got different power stations consisting of both the thermal and hydel power stations. Substantial portion of its energy requirement is met up from its own generation resources and the balance is 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 FY 2020 – 2021, 2021 – 2022 and 2022 – 2023, for which the tariff is to be determined is of prime importance. This 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.

4.3 **Consumers, connected load and energy sales:**

4.3.1 **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 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 7th Control Period i.e. FY 2020-21 to 2022-23 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 etc. have been considered in line with the past trend and actual load pattern during first six months of FY 2019-20. In 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



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DVC based on the past trend, anticipated changes in consumption profile 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 six months of FY 2019-20. The petitioner has submitted the particulars of consumer details for different years from 2015 – 16 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).

DVC has stated that since Indian Railways has reduced their Contract Demand from DVC and JBVNL has switched over from consumer mode of supply to generator specific schedule mode of supply, total projected / estimated firm sale of DVC in Jharkhand and West Bengal state have been reduced 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 7th control period.

Further, DVC has submitted actual sale in entire command area of DVC, West Bengal command area of DVC, and licensee wise sale in radial mode in West Bengal command area for the years 2020 – 21 to 2022 – 23 vide letter dated 25.08.2023 supported by affidavit in response to the communication dated 16.08.2023.

- 4.3.2 This Commission finds it prudent to admit the actual sale based on the submission of DVC for the respective years in the instant order as below:

Table – 4.3.2: Sales in the command area of DVC in West Bengal vis-à-vis total sale in DVC command area

Particulars	Admitted (MU)		
	20-21	21-22	22-23
Sale to consumers in WB other than Licensee	7780.34	9216.75	10187.48
Sale to Licensee - IPCL in radial mode	49.99	96.53	237.46
Sale to Licensee - WBSEDCL in radial mode	485.63	506.09	572.50
Total Annual Sale in WB area	8315.96	9819.37	10997.44
Total annual sale of DVC in their command area in the State of West Bengal and Jharkhand	15565.53	18018.25	19954.88
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	53.425	54.497	55.112



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4.3.3 The admission of sale made for 2020 – 21, 2021 – 22 and 2022 – 23 by this Commission in this order shall not be construed by DVC as admission of such amount in APR for 2020 – 21, 2021 – 22 and 2022 – 23. The actual sale for all the years of the control period will be reviewed during truing up in the Annual Performance Review (APR) based on audited data for the concerned years. **DVC shall furnish necessary reconciliation statement for the concerned years in respect of actual sale as per APR petition to be submitted and audited accounts during truing up exercise.**

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

4.3.5 Besides, DVC in reply dated 25.08.2023 has submitted 118.68 MU, 91.49 MU and 93.19 MU utilized in own premises including Construction Power of DVC for the years 2020 – 2021, 2021 – 2022 and 2022 – 2023 respectively in their entire command area covering both the States of West Bengal and Jharkhand. DVC in the above mentioned reply has mentioned 783.58 MU, 1002.21 MU and 1065.32 MU as actual energy wheeled for the years 2020 – 2021, 2021 – 2022 and 2022 – 2023 respectively in their entire command area. Also, the actual energy receipt for wheeling in entire command area of DVC for the years 2020 – 2021, 2021 – 2022 and 2022 – 2023 are 753.40 MU, 879.27 MU and 894.34 MU respectively as submitted by DVC in the reply dated 25.08.2023. This Commission presently considers such figures for 2020 – 2021, 2021 – 2022 and 2022 – 23 subject to truing up in the APR in respective years.

4.3.6 Total energy utilization in West Bengal as admitted by this Commission is as follows:

Table – 4.3.6: Total energy utilization in West Bengal as admitted by the Commission

(MU)

Sl. No	Particulars	Projected			Admitted		
		20-21	21-22	22-23	20-21	21-22	22-23
1	Energy sale in West Bengal	9216.04	9597.12	9978.09	8315.96	9819.37	10997.44



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Sl. No	Particulars	Projected			Admitted		
		20-21	21-22	22-23	20-21	21-22	22-23
	area						
2	Energy sale within DVC Area in Jharkhand and West Bengal	16485.17	17267.75	18050.23	15565.53	18018.25	19954.88
3	Energy Wheeled	855.00	873.00	880.00	783.58	1002.21	1065.32
4	Units utilized in own premises including Construction Power	80.00	90.00	100.00	118.68	91.49	93.19
5	Overall Utilization (2+3+4)	17420.17	18230.75	19030.23	16467.79	19111.95	21113.39
6	Proportionate utilization in West Bengal (5 x 7)	9738.75	10132.34	10519.83	8797.92	10415.44	11636.01
7	Share of sale in West Bengal against the total consumer sale of DVC in their command area (%) [from previous Table]	55.91	55.58	55.28	53.425	54.497	55.112

4.4 Sources of energy

4.4.1 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., NHPC, KBUNL, Hydro Power from Bhutan through PTC, power exchange/other utilities viz. Maithon Power Ltd. (MPL) and renewable sources. Requirements have been considered by DVC on projection basis.

4.4.2 Generation of Power from own power stations

4.4.2.1 The actual quantum of ex-bus energy in MU during the control period, from own generating stations, as submitted by the petitioner in reply dated 25.08.2023 is summarized below:

Table – 4.4.2.1: Actual ex-bus own Generation (MU)

Sl. No	Name of the generating Station	20 – 21	21 – 22	22 – 23
1	BTPS 'B'	14.03	0.00	0.00
2	DTPS U#4	115.96	177.83	111.48
3	MTPS U#1 to 3	2462.00	2902.37	3123.82



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Sl. No	Name of the generating Station	20 – 21	21 – 22	22 – 23
4	MTPS U# 4	976.96	1310.62	1263.26
5	HYDEL	375.37	486.94	237.17
6	MTPS U# 5 & 6	2848.62	3107.43	3108.52
7	MTPS U# 7 & 8	5506.71	6048.75	6867.31
8	CTPS U# 7 & 8	2950.26	3450.62	3135.60
9	DSTPS U # 1 & 2	5442.18	5818.75	6724.18
10	KTPS U# 1 & 2	7116.87	6556.52	6886.93
11	BTPS 'A'	3094.76	2823.52	3581.51
12	RTPS U # 1&2	4899.86	5696.48	5281.67
13	MTPS Solar PV	0.03	0.02	0.02
14	KTPS Solar PV		0.03	0.03
15	TOTAL	35803.61	38379.88	40321.50

The Ex-Bus energy from own generation, as submitted by DVC with affidavit through letter dated 25.08.2023 is admitted by this Commission subject to trueing up during APR for respective years.

4.4.2.2 DVC has submitted that 210 MW Units # 1 & 2 of BTPS 'B' (IC = 3 x 210 MW), 130 MW Units # 1 & 2 of CTPS (IC = 3 x 130 MW) and 140 MW Unit # 3 of DTPS (IC = 1 x 140 + 1 x 210 MW) have been de-commissioned due to old age and being unable to comply with stringent environment norms. This Commission has further noted from APR petition of DVC for the year 2019 – 20 that CTPS U#3 and BTPS U#3 have been decommissioned on 01.04.2020 and 01.04.2021 respectively. Thus, decommissioned units of generating stations of DVC are as follows:

Table – 4.4.2.2: De-commissioned units of DVC

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
CTPS U#3	01.04.2020
BTPS U#1&2	30.07.2017
BTPS U#3	01.04.2021

4.4.2.3 The petitioner in reply dated 25.08.2023 has submitted 100% share of ex-bus generation, from its old generating stations installed both in the States of West Bengal



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and Jharkhand operating since long comprising of both thermal and small hydel power stations (Sl. No 1 to 5 of tables below), for consumers in its entire command area for all the three years. The petitioner in the above mentioned letter has also mentioned the percentage of ex-bus generation from new generating stations actually 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:

Table – 4.4.2.3(a): Actual share of net generation from own generating stations for supply in command area in West Bengal for 2020 – 21

Sl. No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for own consumers	Ex- bus 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]=[3]x[4]	[6]	[7] = [5]x[6]/100]
1	BTPS 'B'	14.03	100.00%	14.03	53.425	7.50
2	DTPS U#4	115.96	100.00%	115.96	53.425	61.95
3	MTPS U#1 to 3	2462.00	100.00%	2462.00	53.425	1315.32
4	MTPS U# 4	976.96	100.00%	976.96	53.425	521.94
5	HYDEL	375.37	100.00%	375.37	53.425	200.54
6	MTPS U# 5 & 6	2848.62	72.47%	2064.39	53.425	1102.90
7	MTPS U# 7 & 8	5506.71	15.81%	870.61	53.425	465.12
8	CTPS U# 7 & 8	2950.26	0.42%	12.39	53.425	6.62
9	DSTPS U # 1 & 2	5442.18	71.45%	3888.44	53.425	2077.40
10	KTPS U# 1 & 2	7116.87	1.58%	112.45	53.425	60.08
11	BTPS 'A'	3094.76	55.61%	1721.00	53.425	919.44
12	RTPS U # 1&2	4899.86	40.12%	1965.82	53.425	1050.24
13	MTPS Solar PV	0.03	100.00%	0.03	53.425	0.02
14	KTPS Solar PV					
15	TOTAL	35803.61	40.72%	14579.45		7789.07

Table – 4.4.2.3 (b): Actual share of net generation from own generating stations for supply in command area in West Bengal for 2021 – 22

Sl. No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for own consumers	Ex- bus 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
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		(MU)	(%)	(MU)	(%)	(MU)
[1]	[2]	[3]	[4]	[5] = [3]x[4]	[6]	[7] = [5]x[6]/100]
1	BTPS 'B'	0.00	NA	0.00	54.497	0.00
2	DTPS U#4	177.83	100.00%	177.83	54.497	96.91
3	MTPS U#1 to 3	2902.37	100.00%	2902.37	54.497	1581.70
4	MTPS U# 4	1310.62	100.00%	1310.62	54.497	714.25
5	HYDEL	486.94	100.00%	486.94	54.497	265.37
6	MTPS U# 5 & 6	3107.43	73.11%	2271.84	54.497	1238.08
7	MTPS U# 7 & 8	6048.75	21.75%	1315.60	54.497	716.96
8	CTPS U# 7 & 8	3450.62	6.37%	219.80	54.497	119.78
9	DSTPS U # 1 & 2	5818.75	60.11%	3497.65	54.497	1906.11
10	KTPS U# 1 & 2	6556.52	4.66%	305.53	54.497	166.50
11	BTPS 'A'	2823.52	58.59%	1654.30	54.497	901.54
12	RTPS U # 1&2	5696.48	43.53%	2479.68	54.497	1351.35
13	MTPS Solar PV	0.02	100.00%	0.02	54.497	0.01
14	KTPS Solar PV	0.03	100.00%	0.03	54.497	0.02
15	TOTAL	38379.88	43.31%	16622.21		9058.58

Table – 4.4.2.3 (c): Actual share of net generation from own generating stations for supply in command area in West Bengal for 2022 – 23

Sl. No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for own consumers	Ex- bus 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] = [3]x[4]	[6]	[7] = [5]x[6]/100]
1	BTPS 'B'	0.00	0.00%	0.00	55.112	0.00
2	DTPS U#4	111.48	100.00%	111.48	55.112	61.44
3	MTPS U#1 to 3	3123.82	100.00%	3123.82	55.112	1721.60
4	MTPS U# 4	1263.26	100.00%	1263.26	55.112	696.21
5	HYDEL	237.17	100.00%	237.17	55.112	130.71
6	MTPS U# 5 & 6	3108.52	72.55%	2255.23	55.112	1242.90
7	MTPS U# 7 & 8	6867.31	29.81%	2047.15	55.112	1128.23
8	CTPS U# 7 & 8	3135.60	4.40%	137.97	55.112	76.04
9	DSTPS U # 1 & 2	6724.18	67.75%	4555.63	55.112	2510.70
10	KTPS U# 1 & 2	6886.93	1.67%	115.01	55.112	63.38
11	BTPS 'A'	3581.51	60.25%	2157.86	55.112	1189.24
12	RTPS U # 1&2	5281.67	43.79%	2312.84	55.112	1274.65



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Sl. No	Name of the generating Station	Ex- bus Energy	Percentage share of generation for own consumers	Ex- bus 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)
13	MTPS Solar PV	0.02	100.00%	0.02	55.112	0.01
14	KTPS Solar PV	0.03	100.00%	0.03	55.112	0.02
15	TOTAL	40321.50	45.43%	18317.47		10095.13

- 4.4.2.4 The ex-bus generation from own generating stations actually available for sale to consumers of DVC in West Bengal command area for the years 2020 – 21, 2021 – 22 and 2022 – 23, has been admitted by this Commission as per actual data submitted by DVC with affidavit through letter dated 25.08.2023, subject to truing up for all the three years on the basis of audited annual accounts in the APR for the respective years.
- 4.4.2.5 DVC is directed to submit generating station wise Power Purchase Agreements (PPA) in all subsequent MYT and APR petitions.
- 4.4.3 **Power Purchase from CSGS and other sources including renewable energy**
- 4.4.3.1 The admission of purchase of energy from renewable sources including solar power for sale to consumers in West Bengal other than Licensee during the control period should not be construed as giving clearance by this Commission 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 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 2020 – 21, 2021 – 22 and 2022 – 23.
- 4.4.3.2 The projection and admission of purchase of energy for sale to consumers in West Bengal including Licensee in radial mode during 2020 – 21 is as follows:



Table – 4.4.3.2
The purchase quantum of energy as admitted by this Commission
for the year 2020 – 21

(MU)

Agency	Admitted		
	Purchased Energy	CTU Grid Loss	Net Purchase
NHPC			
Rangit	28.11	0.64	27.47
Teesta	236.91	5.13	231.78
NTPC			
Talcher	5.94	0.18	5.76
KBUNL MTPS-II	41.05	1.20	39.85
Solar Power (VVNL)	27.65	0.89	26.76
Solar Power (Talcher, Uchhar)	29.23	0.00	29.23
PTC power from Bhutan			
Chukha (PTC)	215.23	4.40	210.83
Kurichu (PTC)	46.70	0.86	45.84
Tala (PTC)	187.89	3.63	184.26
MPL	452.08	12.29	439.79
Power Exchange			
GTAM/GDAM (Solar)	47.05	0.00	47.05
GTAM/GDAM (Non Solar)	60.36	0.00	60.36
IEX & PXIL	49.17	0.03	49.14
Solar Roof top	0.00	0.00	0.00
Sub Total	1427.37	29.25	1398.12
Percentage of share for sale in West Bengal			53.425
Share for sale in West Bengal			746.95

4.4.3.3 The projection and admission of purchase of energy for sale to consumers in West Bengal including Licensee in radial mode during 2021 – 22 is as follows:

Table – 4.4.3.3:
The purchase quantum of energy as admitted by the Commission
for the year 2021 – 22

(MU)

Agency	Admitted		
	Purchased Energy	CTU Grid Loss	Net Purchase
NHPC			
Rangit	32.83	1.10	31.73



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Agency	Admitted		
	Purchased Energy	CTU Grid Loss	Net Purchase
Teesta	224.76	7.43	217.33
NTPC			
Talcher	12.66	0.43	12.23
KBUNL MTPS-II	83.72	2.87	80.85
Solar Power (VVNL)	26.49	0.85	25.64
Solar Power (Talcher, Uchhar)	26.66	0.00	26.66
PTC power from Bhutan			
Chukha (PTC)	188.62	6.15	182.47
Kurichu (PTC)	23.95	0.77	23.18
Tala (PTC)	153.37	4.93	148.44
MPL	1029.36	35.21	994.15
Power Exchange			
GTAM/GDAM(Solar)	17.12	0.00	17.12
GTAM/GDAM (Non Solar)	12.48	0.00	12.48
IEX & PXIL	274.50	0.00	274.50
Solar Roof top			
Sub Total	2106.52	59.74	2046.78
Percentage of share for sale in West Bengal			54.497
Share for sale in West Bengal			1115.43

4.4.3.4 The projection and admission of purchase of energy for sale to consumers in West Bengal including Licensee in radial mode during 2022 – 23 is as follows:

Table – 4.4.3.4:

The purchase quantum of energy as admitted by this Commission for the year 2022 – 23

Agency	Admitted (MU)		
	Purchased Energy	CTU Grid Loss	Net Purchase
	MU	MU	MU
NHPC			
Rangit	31.63	1.08	30.55
Teesta	239.34	8.24	231.10
NTPC			
Talcher	14.30	0.51	13.79
KBUNL MTPS-II	0.00	0.00	0.00



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Agency	Admitted		
	Purchased Energy	CTU Grid Loss	Net Purchase
Solar Power (VVNL)	28.80	1.03	27.77
Solar Power (Talcher, Uchhar)	28.51	0.00	28.51
PTC power from Bhutan			
Chukha (PTC)	163.86	5.52	158.34
Kurichu (PTC)	9.37	0.32	9.05
Tala (PTC)	131.59	4.42	127.17
MPL	1081.44	38.28	1043.16
Power Exchange			
GTAM/GDAM(Solar)	100.03	3.44	96.59
GTAM/GDAM (Non Solar)	243.25	8.84	234.41
IEX & PXIL	387.54	13.20	374.34
Solar Roof top	3.83	0.00	3.83
Sub Total	2463.49	84.88	2378.61
Percentage of share for sale in West Bengal			55.112
Share for sale in West Bengal			1310.90

4.4.3.5 The petitioner has projected T&D loss to the tune of 2.85 %, 2.77 % and 2.69% for 2020 – 2021, 2021 – 22 and for 2022 – 2023 respectively. DVC submits before this Commission to consider the entire technical losses incurred by DVC at the transmission level as well as distribution level in the retail supply of electricity instead of only the distribution loss of 2.2% in terms of Regulation 2.8.6.1 of the WBERC “Terms and Conditions of Tariff” Regulations, 2011 and the subsequent amendments thereof. DVC has prayed to adopt the composite loss as submitted in the petition which includes both transmission loss and distribution loss since the entire network of DVC is treated as a deemed unified network so that the energy balance reflects proper appreciation of losses and no adverse financial impact is caused on DVC due to non-consideration of all the legitimate technical losses in its network.

4.4.3.6 In terms of para D of Schedule – 9A of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011, as amended from time to time, 2.2% is the distribution loss of DVC as per the norms specified in for the respective year against the proportionate utilization of energy by the petitioner in their



command area in West Bengal.

In terms of para E of Schedule – 9A of the Tariff Regulations, the norms of transmission loss in the intra-state transmission system of DVC will be laid down by the Commission in due course on conclusion of different legal proceedings.

The Appellate Tribunal for Electricity (APTEL), in the judgment and order dated 23rd November, 2007, has concluded on the status of transmission systems of DVC and regulatory power for determination of tariff of the same. APTEL in the said order has concluded that all transmission systems of DVC be considered as unified deemed inter-state transmission system, insofar as the determination of tariff is concerned and as such regulatory power for the same be exercised by the Central Commission. Hon'ble Supreme Court of India vide order dated 23.07.2018, in the bunch of cases being no 971-973 of 2008, 4504 – 4508 of 2008 etc. has affirmed the judgment and order dated 23rd November, 2007.

Therefore, subsequent to the order dated 23.07.2018 of the apex court, different legal proceedings are concluded and this Commission finds it prudent to allow transmission loss to DVC for the years 2020 – 21, 2021 – 22 and 2022 – 23 as per provision in para E of Schedule – 9A of the Tariff Regulations.

- 4.4.3.7 However, due to composite nature of the transmission and distribution (T&D) system of DVC, this Commission considers composite T&D loss in the instant order. This Commission while framing the loss trajectory at 2.75% during the FY 23 – 24, FY 24 - 25 and FY 25 – 26 respectively, has considered the actual composite T&D loss of DVC network of previous years as recorded in Statement of Reasons (SOR) dated 13.03.2023 with the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) (Fourth Amendment) Regulations, 2023.

This Commission has noted that as per submission of DVC dated 25.08.2023, the actual composite T&D loss of DVC for the years 2020 – 21, 2021 – 22 and 2022 – 23 are 2.19%, 2.16% and 2.72% respectively.

Therefore, this Commission allows composite T&D loss at 2.19%, 2.16% and 2.72% for the years 2020 – 21, 2021 – 22 and 2022 – 23 respectively.



4.4.4 Energy Balance

4.4.4.1 On the basis of the analysis done in the foregoing paragraphs, this Commission admits the energy balance for supply to their command area in West Bengal for the years 2020 – 21, 2021 – 22 and 2022 – 23 as below:

Table – 4.4.4.1: Energy Balance

(MU)

Sl. No	Particulars	Admitted		
		20-21	21-22	22-23
A	Sales within West Bengal	8315.96	9819.37	10997.44
B	Total Sales within DVC Area in Jharkhand and West Bengal	15565.53	18018.25	19954.88
C	Energy Wheeled	783.58	1002.21	1065.32
D	Units utilized in own premises including Construction Power	118.68	91.49	93.19
E	Overall Utilization (B+C+D)	16467.79	19111.95	21113.39
F	Proportionate utilization in West Bengal (E x R/100)	8797.92	10415.44	11636.01
G	T & D Loss (%) for West Bengal	2.19%	2.16%	2.72%
H	T & D Loss (MU)	196.99	229.94	325.35
I	Energy Requirement for DVC for distribution business in West Bengal (F+H)	8994.91	10645.38	11961.36
J	Total Energy receipt for Wheeling	753.40	879.27	894.34
K	Proportionate Energy receipt for Wheeling for distribution business in West Bengal (J x R/100)	402.5	479.18	492.89
L	Energy requirement for DVC for distribution business in West Bengal from generation and power purchase (I - K)	8592.41	10166.20	11468.47
M	Proportionate Generation available for sale within West Bengal	7789.07	9058.58	10095.13
N	Additional Requirement beyond generation (L – M)	803.34	1107.62	1373.34
O	Proportionate Purchase for sale in West Bengal	746.95	1115.43	1310.90
P	Net energy drawal through UI (N – O)	56.39	0.00	62.44
Q	Net energy export through UI (O – N)	0.00	7.81	0.00
R	Share of energy requirement in West Bengal against the total requirement of DVC (%)	53.425	54.497	55.112

4.4.4.2 This Commission has noted that total energy receipt for wheeling for entire DVC command area are more than energy wheeled for all the years of the control period. DVC has not submitted any clarification on energy wheeled in excess of energy receipt



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for wheeling. Such excess drawal through power purchase for wheeling for West Bengal part of DVC is determined as follows:

Table – 4.4.4.2: Drawal through power purchase for wheeling for West Bengal part of DVC

(MU)

Particulars	Unit	Derivation	20-21	21-22	22-23
Energy wheeled for entire DVC area	MU	A	783.58	1002.21	1065.32
Energy Received for Wheeling	MU	B	753.40	879.27	894.34
Admitted T&D Loss	%	C	2.19%	2.16%	2.72%
Energy to be wheeled with admitted T&D loss	MU	$D=B \times (1 - C\%)$	736.9	860.28	870.01
Energy drawn through UI for wheeling for entire DVC area	MU	$D=A-C$	46.68	141.93	195.31
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	%	E	53.425	54.497	55.112
Energy drawn through UI for wheeling for WB part	MU	$F=D \times E\%$	24.94	77.35	107.64
Net Energy drawal through UI for WB part as per Energy Balance	MU	G	56.39	-7.81	62.44
Admissible energy drawal through UI for consumers of WB part (+) / Energy exported through UI for sale to consumers in WB area (-)	MU	$H=G-F$	31.45	-85.16	-45.20

4.4.4.3 The cost of above excess purchase for wheeling is dealt with in subsequent paragraphs of this order. DVC will submit all details of energy wheeled and wheeling charges, UI charges etc received for wheeling in terms of energy and cost with the APR petition for the year 2020 – 21 onwards along with auditor's certificate.

4.5 Cost arising from own generation

4.5.1 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 power extending in multi states, the inter-state transmission and



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distribution being an integrated activity, DVC has been again regulated by the Central Electricity Regulatory Commission and tariff for composite T & D is 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 is governed by the provisions under Section 62 in conjunction with Section 86(1) of the Electricity Act, 2003. Accordingly, the generation and transmission tariff of DVC, as determined/to be determined by CERC, has been an input cost based on which the retail tariff has to be considered.

4.5.2 DVC has considered the Annual Fixed Charge (AFC) of its own generating stations considering an escalation factor of 2.5% on year-to-year basis over the last approved AFC for FY 2018-19 to arrive at the projected AFC for the 7th Control Period in absence of any tariff order from CERC for the period 2019 – 2024 at the time of submission of the instant MYT petition. This Commission has noted that all tariff orders of DVC for the period 2019 – 2024 are issued by CERC except BTPS 'A' but at the same time it is observed that AFC approved by CERC for DVC are not always incremental as tabulated below:

Table – 4.5.2: AFC approved by CERC for own generating stations and T&D system of DVC

(Rs lakh)

Name of Cost Centre (generating Station/T&D)	20 – 21	21 – 22	22 – 23
BTPS 'B'	12444.90	0.00	0.00
DTPS U#4	14057.69	13984.38	14468.00
MTPS U#1 to 3	38128.53	41606.09	43945.45
MTPS U# 4	13429.21	13654.90	14166.28
MHS	4043.98	4029.27	4108.62
PHS	3747.22	3934.51	3811.41
THS	1094.60	1172.90	1219.84
MTPS U# 5 & 6	43143.35	37817.27	37935.04
MTPS U# 7 & 8	107003.31	104550.78	104464.29
CTPS U# 7 & 8	56645.10	56723.09	57965.41
DSTPS U # 1 & 2	111425.99	108939.64	107046.92
KTPS U# 1 & 2	117726.91	116304.01	115004.10
RTPS U # 1&2	143297.05	140496.75	137183.45
T&D	47732.24	50921.00	49997.20

Therefore, for BTPS 'A' whose tariff for the period 2019 – 24 period are not issued till



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31.07.2023, the AFC determined by CERC for the year 2018 – 19 at Rs 77188.94 lakh has been considered by this Commission for the years of control period i.e 2020 – 21, 2021 – 22 and 2022 – 23 and for the rest generating stations whose tariff for the period 2019 – 24 period are issued till 31.07.2023, this Commission considers the AFC approved by CERC for the years 2020 – 21, 2021 – 22 and 2022 – 23 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 Truing up orders of CERC for the respective years.

4.5.3 This Commission has considered CERC Orders issued upto 31.07.2023 as follows:

Table – 4.5.3: CERC orders on own generating stations and T&D system of DVC

Sl. No	Name of the generating Station / T&D	Date of CERC Orders	Period of CERC MYT orders
[1]	[2]	[3]	[4]
1	BTPS 'B'	10.07.2023	MYT 19-24
2	DTPS U#4	19.05.2023	MYT 19-24
3	MTPS U#1 to 3	17.02.2023	MYT 19-24
4	MTPS U# 4	30.11.2022, 27.01.2023	MYT 19-24
5(a)	MHS	16.02.2023	MYT 19-24
5(b)	PHS	28.02.2023	MYT 19-24
5(c)	THS	16.03.2023	MYT 19-24
6	MTPS U# 5 & 6	14.03.2023	MYT 19-24
7	MTPS U# 7 & 8	27.04.2023	MYT 19-24
8	CTPS U# 7 & 8	16.06.2023	MYT 19-24
9	DSTPS U # 1 & 2	03.07.2023	MYT 19-24
10	KTPS U# 1 & 2	20.07.2023	MYT 19-24
11	BTPS 'A'	30.05.2018	MYT 14-19
12	RTPS U # 1&2	29.04.2023	MYT 19-24
13	T&D	02.03.22, 10.06.2022 (Corrigendum 23.07.2022)	MYT 19-24

4.5.4 Annual Fixed Charges (AFC) as mentioned in the above mentioned CERC orders are considered by the Commission. For the generating station BTPS 'A' Commission has considered AFC of 2018 – 19 for the years 2020 – 21, 2021 – 22 and 2022 – 23.



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4.5.5 DVC has submitted actual Annual Plant Availability Factor (PAFY) for the years 2020 – 21, 2021 – 22 and 2022 – 23 in reply dated 25.08.2023 as follows:

Table – 4.5.5(a): Actual Annual Plant Availability Factor (PAFY)

Sl. No.	Name of the generating Station	Actual Annual Plant Availability Factor (PAFY) (%)		
		20 – 21	21 – 22	22 – 23
1	BTPS 'B'	42.05	0.00	0.00
2	DTPS U#4	66.05	30.21	19.88
3	MTPS U#1 to 3	98.80	85.63	85.30
4	MTPS U# 4	85.13	96.14	95.17
5	HYDEL	80.00	80.00	80.00
6	MTPS U# 5 & 6	94.61	93.21	87.53
7	MTPS U# 7 & 8	91.98	89.92	91.12
8	CTPS U# 7 & 8	90.27	96.27	84.44
9	DSTPS U # 1 & 2	93.08	92.20	88.50
10	KTPS U# 1 & 2	98.53	89.79	89.28
11	BTPS 'A'	90.35	78.62	92.01
12	RTPS U # 1&2	91.36	75.05	59.93

DVC has also submitted actual Plant Availability Factor during peak and off peak hours of high demand season and low demand season for the years 2020 – 21, 2021 – 22 and 2022 – 23 in reply dated 25.08.2023 as follows:

Table – 4.5.5(b): Actual Plant Availability Factor (%) in 2020 – 21

Sl. No.	Name of the generating Station	Actual Plant Availability Factor (%) in 2020 – 21			
		Peak Hours of High Demand season	Off Peak Hours of High Demand season	Peak Hours of Low Demand season	Peak Hours of Low Demand season
1	BTPS 'B'	74.28	74.28	31.02	31
2	DTPS U#4	100.91	101.73	53.87	53.87
3	MTPS U#1 to 3	99.95	99.94	98.35	98.43
4	MTPS U# 4	98.55	99.19	80.2	80.87
5	HYDEL	80	80	80	80
6	MTPS U# 5 & 6	100.14	99.6	92.71	92.77
7	MTPS U# 7 & 8	84.21	84.02	94.26	94.27
8	CTPS U# 7 & 8	102	101.72	86.64	86.51
9	DSTPS U # 1 & 2	99.26	99.43	90.87	91.13
10	KTPS U# 1 & 2	100.91	100.88	97.85	97.84
11	BTPS 'A'	98.61	98.07	88.27	87.79
12	RTPS U # 1&2	97.61	97.41	89.61	89.44



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Table – 4.5.5(c): Actual Plant Availability Factor (%) in 2021 – 22

Sl. No.	Name of the generating Station	Actual Plant Availability Factor (%) in 2021 – 22			
		Peak Hours of High Demand season	Off Peak Hours of High Demand season	Peak Hours of Low Demand season	Peak Hours of Low Demand season
1	BTPS 'B'	0	0	0	0
2	DTPS U#4	60.45	60.68	20.39	20.04
3	MTPS U#1 to 3	80.7	80.85	87.2	87.24
4	MTPS U# 4	103	102.97	94.12	93.82
5	HYDEL	80	80	80	80
6	MTPS U# 5 & 6	88.77	88.83	94.82	94.66
7	MTPS U# 7 & 8	79.57	79.18	93.47	93.34
8	CTPS U# 7 & 8	95.77	95.76	96.54	96.42
9	DSTPS U # 1 & 2	88.75	88.52	93.64	93.38
10	KTPS U# 1 & 2	98	98.29	87.57	86.87
11	BTPS 'A'	86.52	86.44	76.13	75.94
12	RTPS U # 1&2	81.2	80.71	72.98	73.15

Table – 4.5.5 (d): Actual Plant Availability Factor (%) in 2022 – 23

Sl. No.	Name of the generating Station	Actual Plant Availability Factor (%) in 2022 – 23			
		Peak Hours of High Demand season	Off Peak Hours of High Demand season	Peak Hours of Low Demand season	Peak Hours of Low Demand season
1	BTPS 'B'	0.00	0.00	0.00	0.00
2	DTPS U#4	27.44	8.61	27.31	8.63
3	MTPS U#1 to 3	96.87	81.50	96.89	81.44
4	MTPS U# 4	103.80	92.09	103.35	92.49
5	HYDEL	80.00	80.00	80.00	80.00
6	MTPS U# 5 & 6	78.28	89.54	78.01	89.78
7	MTPS U# 7 & 8	95.79	89.74	95.45	89.70
8	CTPS U# 7 & 8	91.95	82.34	91.35	82.03
9	DSTPS U # 1 & 2	86.19	88.22	85.46	88.57
10	KTPS U# 1 & 2	90.29	89.31	90.41	88.83
11	BTPS 'A'	93.25	89.94	92.81	90.87
12	RTPS U # 1&2	68.68	56.61	68.78	56.27

The actual PAF for the years 2020 – 21, 2021 – 22 and 2022 – 23 has been admitted



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by this Commission as per actual data submitted by DVC through affidavit. In the APR petition of respective years, DVC shall submit generating station wise actual PAF of "Peak" and "Off-Peak" Hours of High Demand Season and Low Demand Season based on CERC (Terms and Conditions of Tariff) Regulations, 2019 and certified by concerned Load Despatch Centre.

4.5.6 DVC has claimed contribution to Pension & Gratuity fund (P&G fund) and contribution & interest on Sinking Fund in full in the petition irrespective of PAF. DVC has mentioned that while issuing tariff orders for different generating stations for the tariff period FYs 2009-14 and FYs 2014-19 CERC has not allowed the claim of DVC towards contribution to Pension & Gratuity fund (P&G fund), additional O&M etc. for the period FY 2014-19. It is submitted that being aggrieved, DVC has filed appeals before the Appellate Tribunal against the tariff orders of CERC for the period FY 2009-14 and 2014-19 and as further permitted by the Tribunal, DVC also filed a petition (being numbered 197/MP/2016) before CERC for consideration of P&G Fund issue of DVC being unique in nature as compared to other Central Generating Stations. It is further stated by DVC that while disposing the submission of DVC in the order dated 04.09.2019, as per direction of APTEL on the appeal of DVC against the tariff orders of CERC for the period FY 2009-14 and 2014-19, CERC held as under at para 25 of the order:

"----- In the above background and in the absence of any supporting details/data, the prayer of the Petitioner cannot be granted in this order. However, the Petitioner is at liberty to claim the said relief with all relevant information/ documents including the (a) actuarial valuation; (b) actual data duly audited and certified by the auditor and (c) annual accounts of the pension fund, at the time of truing up of tariff in terms of Regulation 8 of the 2014 Tariff Regulations."

The instant petition is without prejudice to rights and contentions of the appeals pending before the Tribunal and the true-up orders to be subsequently issued by CERC for relevant period, submitted by DVC.

4.5.7 This Commission has noted that in the tariff orders of the generating stations of DVC for the year 2019 – 2024 or 2014 – 19, CERC has determined the Annual Fixed



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Charges (AFC) including contribution & interest on Sinking Fund but share of P&G fund is not allowed. This Commission has considered the AFC as determined by CERC for the respective generating stations as input cost.

4.5.8 This Commission has observed that CERC in the tariff orders (truing up of annual fixed charges for the period 2014-19 and for determination of tariff for the period 2019-24) for thermal generating stations of DVC, has allowed the Ash Disposal Expenses to be recovered from beneficiaries based on the MOEF&CC notification as a separate item not making a part of the O&M expenses and the consequent Annual Fixed Charges (AFC) being determined in the said orders under the respective CERC Tariff Regulations. Accordingly, apart from AFC, this Commission considers Ash Disposal Expenses approved by CERC beyond O&M expenses to be separately recoverable by DVC as per the respective tariff orders of the Central Commission in respect of thermal generating stations of DVC.

Table – 4.5.8: Ash Disposal Expense admitted by the Commission (Rs lakh)

Sl. No.	Name of the generating Station	2020 – 21	2021 – 22	2022 – 23
1	BTPS 'B'	82.27	0.00	0.00
2	DTPS U#4	281.41	291.23	301.54
3	MTPS U#1 to 3	1134.45	1184.37	1236.49
4	MTPS U# 4	368.99	385.23	402.18
5	HYDEL		0.00	0.00
6	MTPS U# 5 & 6	1157.87	1208.82	1262.01
7	MTPS U# 7 & 8	2183.63	2288.67	2398.77
8	CTPS U# 7 & 8	1452.28	1516.19	1582.90
9	DSTPS U # 1 & 2	119.23	124.97	130.98
10	KTPS U# 1 & 2	1039.91	1089.94	1142.37
11	BTPS 'A'		0.00	0.00
12	RTPS U # 1&2	0.00	0.00	0.00

4.5.9 This Commission in the instant order has considered the AFC as determined by CERC for the respective generating stations as input cost. Accordingly, this Commission allows the recovery of fixed cost against each generating station as per AFC determined by CERC for the respective generating station based on the admitted Plant Availability Factor (PAF) of each generating station against normative PAF (NAPAF) as



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per CERC Tariff Regulations 2019 – 24 and share for the consumers in DVC command area. The admitted fixed charge of own generation for the years 2020 – 21, 2021 – 22 and 2022 – 23 for sale to firm consumers and other licensee in radial mode in West Bengal and Jharkhand command area of DVC as detailed in Annexure – 4A, 4B and 4C are summarized below.

20-21	21-22	22-23
311490.61	293202.39	296447.35

4.5.10 DVC has projected the energy charge rate (ECR) of different own thermal generating stations on yearly basis for the 7th Control Period considering an escalation factor of 1.94% over the average of the actual Landed Price of Primary Fuel (LPPF) of 2019-20 period up to October 2019. The yearly escalation factor of LPPF for FY 2020-21 to 2022-23 has been arrived at by DVC taking into consideration @1.94% as average escalation factor during April 2015 to April 2019 after ignoring the spike of 21.66% as notified by CERC in their notification dated 15.10.2018.

The average energy charge rate (ECR) for Ex-Bus generation from own thermal generating stations, projected by DVC are 295.15 p/kwh, 302.43 p/kwh and 305.74 p/kwh for the years 2020 – 21, 2021 – 22 and 2022 – 23 respectively.

4.5.11 This Commission has estimated the ECR of thermal generating stations of DVC for the years 2020 – 21, 2021 – 22 and 2022 – 23 from ECR of 2019 – 20 as mentioned in the Tariff Orders of CERC for 2019 – 24 and yearly inflation @1.94% thereon as tabulated below:

Table – 4.5.11: Energy Charge Rate (ECR) of different own thermal generating stations of DVC

Sl. No.	Name of the generating Station	ECR mentioned in CERC MYT Order for 19 – 20	Yearly Inflation considered by WBERC	Estimated ECR (p/kwh)		
				20 – 21	21 – 22	22 – 23



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Sl. No.	Name of the generating Station	ECR mentioned in CERC MYT Order for 19 – 20	Yearly Inflation considered by WBERC	Estimated ECR		
				20 – 21	21 – 22	22 – 23
A	B	C	D	E*	F*	G*
1	BTPS 'B'	208.20	1.94%	212.24	216.36	220.56
2	DTPS U#4	341.30	1.94%	347.92	354.67	361.55
3	MTPS U#1 to 3	305.40	1.94%	311.32	317.36	323.52
4	MTPS U# 4	305.40	1.94%	311.32	317.36	323.52
5	MTPS U# 5 & 6	303.90	1.94%	309.80	315.81	321.94
6	MTPS U# 7 & 8	284.80	1.94%	290.33	295.96	301.70
7	CTPS U# 7 & 8	197.90	1.94%	201.74	205.65	209.64
8	DSTPS U # 1 & 2	258.00	1.94%	263.01	268.11	273.31
9	KTPS U# 1 & 2	220.00	1.94%	224.27	228.62	233.06
10	BTPS 'A'	218.79 [\$]	1.94%	223.03	227.36	231.77
11	RTPS U # 1&2	229.60	1.94%	234.05	238.59	243.22

Note: (*) $E = C \times (1+D)$, $F = E \times (1+D)$, $G = F \times (1+D)$,

(\$) ECR of BTPS 'A' for 2019 – 20 is considered as per APR petition for the year 2019 – 20

This Commission admits energy charge rate (ECR) of own generating stations as tabulated above, subject to truing up in APR stage with auditor's certificate.

4.5.12 For own generation from Solar Photovoltaic (PV) Power Plant at MTPS and KTPS, this Commission in tariff determination stage considers tariff @ 325 paise/kwh, the rate at which DVC will purchase solar power from rooftop Solar Photovoltaic (PV) Power Plant to be installed at MTPS of DVC. The above mentioned tariff has been discovered through competitive bidding through Solar Energy Corporation of India Limited (SECI) under CAPEX/RESCO Model, however, this should not be construed by DVC as any relaxation from the Order issued by this Commission dated 22.06.2023 in Case No. PPA – 110/21-22. This Commission will consider cost of own generation from Solar Photovoltaic (PV) Power Plant at MTPS and KTPS in APR stage subject to regulatory approval from the appropriate Commission. DVC will submit all required details of the own Solar Photovoltaic (PV) Power Plant at MTPS and KTPS in APR petitions.

4.5.13 Thus, the energy charges of own generating stations of DVC are admitted as follows:



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Table – 4.5.13: Admitted Energy Charges

Name of the generating Station	2020 – 21			2021 – 22			2022 – 23		
	Share of Energy for sale to consumers of DVC	Energy Charge Rate	Energy Charge	Share of Energy for sale to consumers of DVC	Energy Charge Rate	Energy Charge	Share of Energy for sale to consumers of DVC	Energy Charge Rate	Energy Charge
	(MU)	P/kwh	Rs Lakh	(MU)	P/kwh	Rs Lakh	(MU)	P/kwh	Rs Lakh
BTPS 'B'	14.03	212.24	297.77	0.00	216.36	0.00	0.00	220.56	0.00
DTPS U#4	115.96	347.92	4034.48	177.83	354.67	6307.10	111.48	361.55	4030.56
MTPS U#1 to 3	2462.00	311.32	76646.98	2902.37	317.36	92109.61	3123.82	323.52	101061.82
MTPS U# 4	976.96	311.32	30414.72	1310.62	317.36	41593.84	1263.26	323.52	40868.99
MTPS U# 5 & 6	2064.39	309.80	63954.80	2271.84	315.81	71746.98	2255.23	321.94	72604.87
MTPS U# 7 & 8	870.61	290.33	25276.42	1315.60	295.96	38936.50	2047.15	301.70	61762.52
CTPS U# 7 & 8	12.39	201.74	249.96	219.80	205.65	4520.19	137.97	209.64	2892.40
DSTPS U # 1 & 2	3888.44	263.01	102269.86	3497.65	268.11	93775.49	4555.63	273.31	124509.92
KTPS U# 1 & 2	112.45	224.27	2521.92	305.53	228.62	6985.03	115.01	233.06	2680.42
BTPS 'A'	1721.00	223.03	38383.46	1654.30	227.36	37612.16	2157.86	231.77	50012.72
RTPS U # 1&2	1965.82	234.05	46010.02	2479.68	238.59	59162.69	2312.84	243.22	56252.89
MTPS Solar PV	0.03	325.00	0.98	0.02	325.00	0.65	0.02	325.00	0.65
KTPS Solar PV	0.00	325.00	0.00	0.03	325.00	0.98	0.03	325.00	0.98
Total			390061.37			452751.22			516678.74

4.5.14 The fixed charge, energy charge of different generating stations of DVC in 2020 – 21, 2021 – 22 and 2022 – 23, for consumers and other licensee connected in radial mode in West Bengal part of DVC command area, on the basis of availability and percentage utilization by the consumers in command area of West Bengal have been summarized as follows:

Table – 4.5.14: Own Generation cost in West Bengal Command area of DVC

(Rs lakh)

Particulars	20-21	21-22	22-23
Energy Charge for consumers of DVC	390061.37	452751.22	516678.74
Fixed Cost for consumers of DVC	311490.61	293202.39	296447.35
TOTAL	701551.98	745953.61	813126.09



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Particulars	20-21	21-22	22-23
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	53.425	54.497	55.112
Own Generation cost for consumers of DVC in West Bengal Command area	374804.15	406522.34	448130.05

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

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

4.6.1 This Commission has considered the power purchase costs from CSGS, PTC, MPL, Power Exchange, Renewable Energy (RE) Sources, Renewable Energy Certificate (REC) etc as well as transmission and other incidental charges related to power purchase viz Transmission charge to CTU for availing of the transmission corridor, POSOCO charges, PTC Transmission charge, Reactive charges paid to CTU, ULDC charge, and contribution to ERPC fund etc. for the years 2020 – 21, 2021 – 22 and 2022 – 23 for DVC command area in West Bengal and Jharkhand as per data submitted by DVC through affidavit vide letter dated 25.08.2023 except cost claimed for KBUNL for the year 2022 – 23 and AMC charges paid for ULDC Communication scheme.

4.6.2 This Commission has noted that there was no energy purchase from KBUNL for the year 2022 – 23 but Rs. 2578.53 lakh is mentioned in the letter dated 25.08.2023 as 'Past year adjustment'. In Form 1.10(B) annexed with the letter dated 25.08.2023, the expenditure is described as 'Water cess, FPA, FERV, IT, interest, electricity duty and revised tariff pertaining to current & previous years etc. have been considered as power purchase cost adjustment'. In absence of further clarification of expenditure for KBUNL for the year 2022 – 23 this Commission finds it prudent not to allow the claimed amount of Rs. 2578.53 lakh in tariff determination stage. However, this Commission will review the cost claimed by DVC for the year 2022 – 23 in APR subject to satisfactory



justification by DVC.

- 4.6.3 This Commission has noted that under 'Transmission & Other Incidental Charges Related to Power Purchase', 'AMC charges paid for ULDC Communication scheme' at Rs. 68.99 lakh for 2020 – 21 and Rs. 68.52 lakh for 2021 – 22 has been claimed, however, such cost for the year 2022 – 23 has not been separately mentioned. In previous MYT and APR petitions, the element was claimed under separate head.

Since there is no specific direction by CERC for O&M expenses of SCADA/EMS system of ULDC in orders on unified T&D network of DVC, this Commission does not admit any amount to be recovered from the retail Distribution Business for AMC charges paid for ULDC Communication scheme.

Therefore, Rs. 68.99 lakh for 2020 – 21 and Rs. 68.52 lakh for 2021 – 22 and 2022 – 23, claimed under the sub head of Transmission Charge under Power Purchase Cost, have been deducted and proportionately allocated to the sources as per quantum of energy purchased from respective source.

In the APR petition for the respective years, DVC shall clearly mention the expense for ULDC charges and expense for AMC charges paid for ULDC Communication scheme.

- 4.6.4 The average Purchase cost excluding renewable energy (RE) source for entire command area of DVC in West Bengal and Jharkhand for the years 2020 – 21, 2021 – 22 and 2022 – 23 comes to 501.27 p/kwh, 533.00 p/kwh and 479.98 p/kwh respectively as shown in Annexure – 4D, 4E and 4F.

- 4.6.5 The Net UI Receivable is considered as submitted by DVC in letter dated 25.08.2023 for the concerned years in tariff determining stage as below:

Table – 4.6.5(a): Actual UI details of DVC

Particulars	20-21	21-22	22-23
Net UI Import (+)/ Export (-) for entire DVC area (MU)	105.09	-14.47	113.29
Net amount Payable (+)/ Receivable (-) for UI for entire DVC area (Rs lakh)	8063.53	-13039.09	13895.99

Cost of additional power purchase through unscheduled interchange (UI) for West



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Bengal command area of DVC for the year 2020 – 21 as shown in Table – 4.4.4.2 is determined at average purchase cost of UI, however, in terms of regulation 5.17.2 of the Tariff Regulations, the UI charges is admitted upto 5% of the total power purchase cost as considered in Annexure – 4D.

For the year 2021 – 22, Net energy exported through UI related to sale to consumers of DVC in the part of West Bengal is determined as 85.16 MU as shown in Table - 4.4.4.2. The income from such export is determined @833.70 p/kwh as shown below. In terms of regulation 5.17.3 of the Tariff Regulations, income from Net receivable UI charge for West Bengal area of DVC for the year 2021 – 22, is to be shared equally with the consumers. In terms of regulation 5.17.4 of the Tariff Regulations, the income on Net UI receivables for DVC to be considered for sharing with consumers for net ARR calculation is shown below:

Table – 4.6.5(b): Income from UI to be shared with consumers for 2021 – 22

Particulars	Derivation	Amount
Income from Net receivable UI charge for entire DVC area (Rs lakh)	A	13039.09
Net UI export for entire DVC area (MU)	B	14.47
Energy drawn through UI for wheeling for entire DVC area (MU)	C	141.93
Rate of above (p/kwh)	$D=10 \times A / (B+C)$	833.70
Energy exported through UI for sale to consumers in WB area (MU) [Table 4.4.4.2]	E	85.16
Cost of above (Rs lakh)	$F=D \times E$	7099.79
Income to be adjusted with ARR as per regulation 5.17.3 (Rs lakh)	$G=50\% \text{ of } F$	3549.90

For the year 2022 – 23, energy exported through UI related to sale to consumers for West Bengal area is determined as 45.20 MU as shown in Table - 4.4.4.2. The income from such export is determined at Rs 5544.17 lakh for West Bengal area as shown below. In terms of regulation 5.17.3 and 5.17.4 of the Tariff Regulations, the income on Net UI receivables for DVC to be considered for sharing with consumers for net ARR calculation is shown below:

Table – 4.6.5(c): Income from UI to be shared with consumers for 2022 – 23

Particulars	Derivation	Amount
Net UI drawal by DVC in WB and JH (MU)	A	113.29
Net UI Charge Payable by DVC in WB and JH (Rs lakh)	B	13895.99



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Particulars	Derivation	Amount
Energy exported through UI for sale to consumers in WB area (MU) [Table 4.4.4.2]	C	45.20
Cost of above (Rs lakh)	$D=C \times (B/A)$	5544.17
Income to be adjusted with ARR as per regulation 5.17.3 (Rs lakh)	$E=50\% \text{ of } D$	2772.09

4.6.6 DVC in the letter dated 25.08.2023 in response to the communication dated 16.08.2023 has mentioned source wise costs of power purchase from renewable energy (RE) source and REC for the years 2020 – 21, 2021 – 22 and 2022 – 23 for entire DVC command area in West Bengal and Jharkhand. The cost of power purchase from renewable energy (RE) source and REC as per data submitted by DVC in the above mentioned letter is also admitted in sales ratio for West Bengal command area of DVC for the years 2020 – 21, 2021 – 22 and 2022 – 23 in tariff determination stage. DVC will submit cost of Renewable Purchase Obligation (RPO) for West Bengal command area of DVC in respective APR petition.

4.6.7 Thus, the total power purchase cost including transmission & associated incidental charges and cost of purchase of renewable energy for West Bengal part of DVC are admitted as summarized below with details in Annexure – 4D, 4E and 4F:

(Rs lakh)

Table – 4.6.7: Admitted Power purchase cost including cost of purchase from renewable energy sources for West Bengal part of DVC		
20-21	21-22	22-23
40699.86	66957.68	98447.14

4.6.8 The power purchase cost, as admitted by this Commission for sale to consumers of DVC in the command area in West Bengal are subject to truing up in APR for respective years. DVC in the APR petitions for concerned years will submit auditor's certificate for actual payment made by DVC for power purchase.



4.7 Interest on Working Capital:

- 4.7.1 DVC has projected interest on working capital on power purchase cost for West Bengal command area of DVC for the years 2020 – 2021, 2021 – 22 and 2022 – 2023 at Rs. 1463.76 lakh, Rs. 1516.98 lakh and Rs. 1531.77 lakh respectively.
- 4.7.2 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 from 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%.
- 4.7.3 This Commission has introduced MVCA for all the distribution licensees with effect from April, 2011. Moreover, DVC is entitled to realize differential ECR for their own generating stations as per CERC Regulations. The Commission, thus, considers the working capital requirement @ 10% only.
- 4.7.4 This Commission vide Paragraph 6 of its order dated April 6, 2022 in Case No SM-30/21-22 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. This Commission thus considers to admit the Interest on working capital at the rate of 11.25 % (7.75 % + 3.50 %), 10.50 % (7.00 % + 3.50 %) and 10.50 % (7.00 % + 3.50 %) for the years 2020 – 21, 2021 – 22 and 2022 – 23 respectively.
- 4.7.5 Accordingly, this Commission admits the following interest on Working Capital for the



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Command area of West Bengal subject to truing up in the subsequent period:

Table – 4.7.5: Interest on Working Capital for the West Bengal Command area of DVC

(Rs Lakh)

Sl. No	Particular	20-21	21-22	22-23
1	Total Power purchase cost for WB part of DVC	40699.86	66957.68	98447.14
2	Water Cess on Generation	5.44	7.08	8.76
3	Interest on security deposit payable to West Bengal consumers	223.65	229.24	234.97
4	Different petition filing fees to regulators and publication expenses	178.97	184.02	186.59
5	Legal Charges	101.10	103.12	104.29
6	Total [SUM (1:5)]	41209.02	67481.14	98981.75
7	Rate of Working Capital Requirement on power purchase cost Net off Bad debt write off	10.00%	10.00%	10.00%
8	Working Capital Requirement in West Bengal area (6 x 7)	4120.90	6748.11	9898.18
9	Rate of interest (%)	11.25%	10.50%	10.50%
10	Interest on working capital (8 x 9)	463.60	708.55	1039.31

4.8 Water cess, pollution cess, labour welfare cess:

4.8.1 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. for DVC command area in West Bengal and Jharkhand at Rs 25.00 lakh, Rs 30.00 lakh and Rs 35.00 lakh respectively for the years 2020 – 21, 2021 – 22 and 2022 – 23 directly paid to the concerned authorities of the State Governments in respect of its different generating stations located in the state of West Bengal and Jharkhand from the consumers to the extent of generation being used for distribution activity. With reference to CERC “Terms and Conditions of Tariff” Regulations, 2019, and Statement of Reasons (SOR) associated with the Regulations, DVC has stated that though water charges are allowed separately in terms of Regulation 35(1)(6) of CERC Tariff Regulations, 2019 but no cess is included in the normative O&M rate or elsewhere in terms of CERC Tariff Regulations and other CSGS like NTPC claim the water cess separately from the beneficiaries. The proportionate projection for West Bengal part of



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DVC comes to Rs. 13.98 lakh, Rs. 16.67 and 19.35 lakh for 2020 – 21, 2021 – 22 and 2022 – 23 respectively.

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

Table – 4.8.2: Cess for the West Bengal Command area of DVC

Particulars	Derivation	Unit	20-21	21-22	22-23
Water cess, pollution cess, labour welfare cess, etc. for own generation of DVC	A	Lakh	25.00	30.00	35.00
Ex-Bus Own Generation of DVC	B	MU	35803.61	38379.88	40321.50
Ex-Bus Own Generation of DVC for Consumers	C	MU	14579.45	16622.21	18317.47
Cess for consumers of DVC	$D=A \times (C / B)$	MU	10.18	12.99	15.90
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	E	%	53.425	54.497	55.112
Cess for consumers of DVC in WB part	$F=D \times E / 100$	Lakh	5.44	7.08	8.76

- 4.8.3 The petitioner will submit the actual expenditure with auditor's certificate as per audited book of accounts while submitting the Annual Performance Review (APR) for the respective years.

4.9 **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. 223.65 lakh, Rs. 229.24 lakh and Rs. 234.97 lakh for the years 2020 – 2021, 2021 – 22 and 2022 – 2023 respectively for its West Bengal command area. This Commission admits the same as projected by DVC in the instant petition subject to truing up in respective APR in subsequent period.

4.10 **Regulatory fees and publication expenses:**

- 4.10.1 The fees paid/to be paid by DVC to this Commission in respect of determination of tariff for the 7th control period, fees for submission of petitions for Annual Performance Review (APR), license fees etc. and expenditures related to publication of the tariff



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petitions etc. have been considered on projection in 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 the extent of power from those generating stations of DVC is used in distribution activity in the state of West Bengal. The projection under the head is summarized below:

Table – 4.10.1: Regulatory expenses claimed for the West Bengal Command area of DVC

(Rs lakh)

Sl. No.	Item	20-21	21-22	22-23
A	Tariff Filing Fees related to WBERC	82.94	86.37	89.80
B	Publication Expenses related to WBERC	15.00	18.00	20.00
C	Tariff Filing fees, Licensee Fees & publication expenses in West Bengal (A + B)	97.94	104.37	109.80
D	Tariff filing fees to CERC & related publication expenses	470.740	453.69	436.71
E	Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	55.905	55.578	55.280
F	Share for above in West Bengal Area (D x E)	263.17	252.15	241.41
G	Total fees paid to WBERC & CERC and publication fees as admitted by this Commission (C + F)	361.11	356.52	351.21

4.10.2 This Commission has admitted Rs. 73.65 lakh as regulatory fees paid to this Commission in the APR order for the year 2017 – 18. The same amount under this head is admitted for all the years of the seventh control period. Rs. 2.87 lakh was admitted for publication expenses related to this Commission in the tariff order for 2019 – 20. Considering Wholesale Price Index (All commodities) at 1.30%, 13.00% and 9.40% for the years 2020 – 21, 2021 – 22 and 2022 – 23 respectively, the publication expense related to this Commission is admitted at Rs. 2.91 lakh, Rs. 3.29 lakh and Rs. 3.60 lakh for respective years. The Tariff Filing Fees and Publication Expenses related to CERC is considered as projected by DVC in the instant petition. However, as per regulation 70 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019, such fees and charges shall be reimbursed directly by the



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beneficiaries in proportion of their allocation in the generating stations or by the long term customers in proportion to their share in the inter-State transmission systems. Therefore, this Commission finds it prudent to consider share of own generation for consumers of DVC before applying the sales ratio of West Bengal to the total sales of DVC in their command area in West Bengal and Jharkhand. The admitted amount under this head is shown as below:

Table – 4.10.2: Regulatory expenses admitted for the West Bengal Command area of DVC

(Rs lakh)

Sl. No.	Item	Admitted		
		20-21	21-22	22-23
A	Regulatory fees related to WBERC	73.65	73.65	73.65
B	Publication expenses related to WBERC	2.91	3.29	3.60
C	Regulatory fees and publication expenses in West Bengal (A+B)	76.560	76.940	77.250
D	Tariff filing fees to CERC	430.740	433.690	436.710
E	Tariff related publication expenses related to CERC	40.000	20.000	0.000
F	Tariff filing fees to CERC & related publication expenses (D+E)	470.74	453.69	436.71
G	Ex Bus Own generation (MU) [para 5.4.2.2]	35803.61	38379.88	40321.50
H	Ex Bus Own generation for consumers of DVC (MU) [para 5.4.2.2]	14579.45	16622.21	18317.47
I	Tariff filing fees to CERC & related publication expenses for consumers of DVC (F x H / G)	191.69	196.49	198.39
J	Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	53.425	54.497	55.112
K	Share for above in West Bengal Area (I x J)	102.41	107.08	109.34
L	Total fees paid to WBERC & CERC and related publication expense (C+K)	178.97	184.02	186.59

- 4.10.3 In APR petitions for the respective years of 2020 – 21, 2021 – 22 and 2022 – 23, DVC will submit actual expense with Auditor's Certificate in respect of Tariff Filing Fees & Publication Expenses related to WBERC and to CERC for DVC command area as per provision in respective CERC Tariff Regulations. DVC shall also mention in the affidavit that similar claim has not been made before CERC or elsewhere.



4.11 **Transmission and distribution Expenses:**

4.11.1 DVC has projected input cost related to T&D System for the years 2020 – 21, 2021 – 22 and 2022 – 23 considering 99.20% availability and AFC for the entire T&D Network has been considered with 2.5% escalation factor on year-to-year basis over the last approved AFC of FY 2018-19 to arrive at the projected AFC for the 7th Control Period. Proportionate cost for composite transmission and distribution expenses for consumers of West Bengal for the respective years has been claimed.

4.11.2 This Commission has noted that CERC has determined the tariff for composite transmission and distribution activities of DVC for the period 2019 – 24 vide orders dated 02.03.2022, 10.06.2022 and 23.07.2022 (corrigendum of order dated 10.06.2022). This Commission has considered the AFC as approved by CERC for the years 2020 – 21, 2021 – 22 and 2022 – 23. This Commission has considered the actual Transmission System Availability Factor for the years 2020 – 21, 2021 – 22 and 2022 – 23 as submitted by DVC through affidavit dated 22.11.2023 in response to the communication dated 17.11.2023. Accordingly, 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 control period as below:

Table – 4.11.2: T&D Cost in West Bengal Command area of DVC

(Rs lakh)

Sl. No	Particulars	Projected			Admitted		
		20-21	21-22	22-23	20-21	21-22	22-23
A	Normative Availability (NATAF)	98.00%	98.00%	98.00%	98.50%	98.50%	98.50%
B	Actual Yearly Availability (TAFY)	99.20%	99.20%	99.20%	99.60%	99.67%	99.69%
C	Total Annual Transmission charge (ATC) in Rs lakh	53645.22	54986.35	56361.01	47732.24	50921.00	49997.20
D	Recoverable fixed charge as per CERC formula: ATC x (TAFY / NATAF)	53999.22	55349.20	56732.93	48265.29	51525.85	50601.23



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Sl. No	Particulars	Projected			Admitted		
		20-21	21-22	22-23	20-21	21-22	22-23
E	Share of Sale in WB Command area of DVC	55.91	55.58	55.28	53.425	54.497	55.112
F	T&D Cost in WB Command area of DVC [D x E / 100]	30188.28	34433.40	34433.40	25785.73	28080.04	27887.35

Note #: As per regulation 46 of CERC Tariff Regulations, 2019:
a) For TAFY \leq 98%, Annual Tr. Charge=AFC x (TAFY/98%)
b) For 98% < TAFY < 98.5%, Annual Tr. Charge=AFC
c) For 98.5% < TAFY \leq 99.75%, Annual Tr. Charge=AFC x (TAFY/98.5%)
For TAFY \geq 99.75%, Annual Tr. Charge=AFC x (99.75%/98.5%)

- 4.11.3 DVC will submit truing up orders of CERC along with availability certificate in APR stage for recovery of expenses under composite transmission and distribution network during the year.
- 4.12 **Legal charges and Consultancy fees:**
- 4.12.1 Legal charges and Consultancy fees of Rs 189.23 lakh for all the years in the 7th control period has been projected based on the past trend as well as the ongoing activities in terms of Regulation 5.7.2 of the Tariff Regulations, 2011, in respect of its distribution activity for consumers of DVC in the state of West Bengal and Jharkhand. The proportionate projection for West Bengal part of DVC comes to Rs. 105.79 lakh, Rs. 105.17 lakh and Rs. 104.61 lakh for the years 2020 – 21, 2021 – 22 and 2022 – 23 respectively.
- 4.12.2 The admitted legal charges in the tariff order for the year 2019 – 20 is Rs 277.27 lakh. Thus, this Commission considers the legal charges as projected by DVC for its entire command area and proportionate the same for West Bengal in proportion to sales ratio.
- 4.12.3 The legal charges admitted in this tariff order for West Bengal command area of DVC is tabulated below, subject to truing up in APR:



Table – 4.12.3: Legal Charges

(Rs lakh)

Sl. No.	Particulars	Projected			Admitted		
		20-21	21-22	22-23	20-21	21-22	22-23
A	Legal Charges for distribution activity for consumers of DVC	189.23	189.23	189.23	189.23	189.23	189.23
B	Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	55.91	55.58	55.28	53.425	54.497	55.112
C	Legal Charges for distribution activity for consumers of DVC in WB part [A x B /100]	105.79	105.17	104.61	101.10	103.12	104.29

4.12.4 DVC will submit legal expenses incurred by DVC for distribution activity and retail sale of DVC for only West Bengal command area with details along with auditor's certificate with APR petition for the respective year.

4.13 Non-Tariff Income

4.13.1 The petitioner has considered only 'Surcharge for Late Payments' at Rs. 5095.65 lakh, Rs. 5350.43 lakh and Rs. 5617.95 lakh for the years 2020 – 21, 2021 – 22 and 2022 – 23 respectively under this head in the instant MYT petition in respect of distribution activity as income other than sale of energy for DVC command area in the state of Jharkhand and West Bengal. The proportionate projection for West Bengal part of DVC comes to Rs. 2848.72 lakh, Rs. 2973.68 lakh and Rs. 3105.58 lakh for the years 2020 – 21, 2021 – 22 and 2022 – 23 respectively.

4.13.2 This Commission maintains that 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, this 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, this Commission gives direction to DVC in subsequent paragraphs on non tariff income to be complied with in respective petition.

4.13.3 This Commission finds it prudent to consider Late Payment Surcharge from consumers of DVC as Non Tariff Income as projected by DVC for all the years of the control period which comes to Rs. 2848.72 lakh, Rs. 2973.68 lakh and Rs. 3105.58 lakh for the years 2020 – 21, 2021 – 22 and 2022 – 23 respectively. The petitioner will submit Auditor's certificate on Late Payment Surcharge (LPS) from consumers of only West Bengal part of DVC only in APR petitions for the years 2020 – 21, 2021 – 22 and 2022 – 23 for examination by the Commission.

4.13.4 In the APR petition for the years 2020 – 21, 2021 – 22 and 2022 – 23, DVC shall submit clarification against each element of other income of power business of Audited Annual Accounts for the years 2020 – 21, 2021 – 22 and 2022 – 23 which are excluded by them from Non-Tariff Income in the APR petition. This Commission will decide after examination of such evidences as per provisions in the regulation.

4.14 **Interest on temporary financial accommodation**

4.14.1 The petitioner has projected cost of Temporary Financial Accommodation at Rs. 3906.67 lakh, Rs. 4102.00 lakh and Rs. 4307.10 lakh for the years 2020 – 21, 2021 – 22 and 2022 – 23 respectively, based on the projected outstanding dues, for DVC command area in Jharkhand and West Bengal. DVC has stated that due to delay in making payment of current electricity bills as well as arrears by the consumers and licensees, DVC has been facing shortage of fund and left with no other option but to go for cash credit on short term basis. The proportionate claim for West Bengal part of DVC comes to Rs 2184.03 lakh, Rs. 2279.82 lakh and Rs 2380.95 lakh for the years 2020 – 21, 2021 – 22 and 2022 – 23 respectively.

4.14.2 Regulation 5.6.5.4 of the Tariff Regulations specifies that this 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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- 4.14.3 This Commission does not consider any interest on temporary accommodation at the tariff determination stage and directs DVC to submit details of amount of loans, source of the loan, date of drawal, amount of repayment during the years, if any, and other details in this respect, as required under Form-C in the APR for 2020 – 2021, 2021 – 2022 and 2022 – 2023. This Commission will examine necessity of such loan based on tariff gap during the year and will decide accordingly.



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Annexure – 4A

Fixed charges of own generating stations of DVC for sale to consumers including other licensees for the year 2020 – 21

Sl. No	Name of the generating Station	Normative Availability (%)	Plant Availability Factor (%)				AFC in CERC Order (Rs Lakh)	Recoverable AFC as per CERC (Rs Lakh)	Ash Evacuation Expense (Rs lakh)	Ex- bus Energy (MU)	Share of Ex-Bus Energy for sale to own consumer (MU)	Recoverable AFC including Ash expense for consumers of DVC (Rs Lakh)
			Peak Hours of High Demand season	Off Peak Hours of High Demand season	Peak Hours of Low Demand season	Off Peak Hours of Low Demand season						
A	B	C	D	E	F	G	H	I*	J	K	L	M*
1	BTPS 'B'	75	74.28	74.28	31.02	31	12444.90	6939.77	82.27	14.03	14.03	7022.04
2	DTPS U#4	74	100.91	101.73	53.87	53.87	14057.69	11189.64	281.41	115.96	115.96	11471.05
3	MTPS U#1 to 3	85	99.95	99.94	98.35	98.43	38128.53	38128.53	1134.45	2462.00	2462.00	39262.98
4	MTPS U# 4	85	98.55	99.19	80.2	80.87	13429.21	12923.96	368.99	976.96	976.96	13292.95
5	HYDEL	80	80	80	80	80	8885.80	8885.80		375.37	375.37	8885.80
6	MTPS U# 5 & 6	85	100.14	99.6	92.71	92.77	43143.35	43143.35	1157.87	2848.62	2064.39	32105.02
7	MTPS U# 7 & 8	85	84.21	84.02	94.26	94.27	107003.31	106706.85	2183.63	5506.71	870.61	17215.57
8	CTPS U# 7 & 8	85	102	101.72	86.64	86.51	56645.10	56645.10	1452.28	2950.26	12.39	243.99
9	DSTPS U # 1 & 2	85	99.26	99.43	90.87	91.13	111425.99	111425.99	119.23	5442.18	3888.44	79699.11
10	KTPS U# 1 & 2	85	100.91	100.88	97.85	97.84	117726.91	117726.91	1039.91	7116.87	112.45	1876.57
11	BTPS 'A'	85	98.61	98.07	88.27	87.79	77188.94	77188.94		3094.76	1721.00	42924.87
12	RTPS U # 1&2	85	97.61	97.41	89.61	89.44	143297.05	143297.05	0.00	4899.86	1965.82	57490.66
	TOTAL											311490.61

Note(*): $I = \text{MIN}(H^3/12^2 \cdot 0.2 \cdot D/C + \text{MIN}(H^3/12^2 \cdot 0.8 \cdot E/C, H^3/12^2 \cdot 0.8), H^3/12) + \text{MIN}(H^9/12^2 \cdot 0.2 \cdot F/C + \text{MIN}(H^9/12^2 \cdot 0.8 \cdot G/C, H^9/12^2 \cdot 0.8), H^9/12)$; $M = (J + I) \times (L / K)$



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Annexure – 4B

Fixed charges of own generating stations of DVC for sale to consumers including other licensees for the year 2021 – 22

Sl. No	Name of the generating Station	Normative Availability (%)	Plant Availability Factor (%)				AFC in CERC Order (Rs Lakh)	Recoverable AFC as per CERC (Rs Lakh)	Ash Evacuation Expense (Rs lakh)	Ex- bus Energy (MU)	Share of Ex-Bus Energy for sale to own consumer (MU)	Recoverable AFC including Ash expense for consumers of DVC (Rs Lakh)
			Peak Hours of High Demand season	Off Peak Hours of High Demand season	Peak Hours of Low Demand season	Off Peak Hours of Low Demand season						
A	B	C	D	E	F	G	H	I*	J	K	L	M*
1	BTPS 'B'	75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	DTPS U#4	74	60.45	60.68	20.39	20.04	13984.38	5714.89	291.23	177.83	177.83	6006.12
3	MTPS U#1 to 3	85	80.7	80.85	87.2	87.24	41606.09	41094.58	1184.37	2902.37	2902.37	42278.95
4	MTPS U# 4	85	103	102.97	94.12	93.82	13654.90	13654.90	385.23	1310.62	1310.62	14040.13
5	HYDEL	80	80.00	80.00	80.00	80.00	9136.68	9136.68	0.00	486.94	486.94	9136.68
6	MTPS U# 5 & 6	85	88.77	88.83	94.82	94.66	37817.27	37817.27	1208.82	3107.43	2271.84	28531.95
7	MTPS U# 7 & 8	85	79.57	79.18	93.47	93.34	104550.78	102785.10	2288.67	6048.75	1315.60	22853.49
8	CTPS U# 7 & 8	85	95.77	95.76	96.54	96.42	56723.09	56723.09	1516.19	3450.62	219.80	3709.77
9	DSTPS U # 1 & 2	85	88.75	88.52	93.64	93.38	108939.64	108939.64	124.97	5818.75	3497.65	65558.73
10	KTPS U# 1 & 2	85	98.00	98.29	87.57	86.87	116304.01	116304.01	1089.94	6556.52	305.53	5470.49
11	BTPS 'A'	85	86.52	86.44	76.13	75.94	77188.94	71044.25	0.00	2823.52	1654.30	41624.82
12	RTPS U # 1&2	85	81.2	80.71	72.98	73.15	140496.75	124032.18	0.00	5696.48	2479.68	53991.26
	TOTAL											293202.39

Note(*): $I = \text{MIN}(H^*3/12*0.2*D/C + \text{MIN}(H^*3/12*0.8^*E/C, H^*3/12*0.8), H^*3/12) + \text{MIN}(H^*9/12*0.2^*F/C + \text{MIN}(H^*9/12*0.8^*G/C, H^*9/12*0.8), H^*9/12)$; $M = (J + I) \times (L / K)$



Annexure – 4C

Fixed charges of own generating stations of DVC for sale to consumers including other licensees for the year 2022 – 23

Sl. No	Name of the generating Station	Normative Availability (%)	Plant Availability Factor (%)				AFC in CERC Order (Rs Lakh)	Recoverable AFC as per CERC (Rs Lakh)	Ash Evacuation Expense (Rs lakh)	Ex- bus Energy (MU)	Share of Ex-Bus Energy for sale to own consumer (MU)	Recoverable AFC including Ash expense for consumers of DVC (Rs Lakh)
			Peak Hours of High Demand season	Off Peak Hours of High Demand season	Peak Hours of Low Demand season	Off Peak Hours of Low Demand season						
A	B	C	D	E	F	G	H	I*	J	K	L	M*
1	BTPS 'B'	75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
2	DTPS U#4	74	27.44	8.61	27.31	8.63	14468.00	2418.21	301.54	111.48	111.48	2719.75
3	MTPS U#1 to 3	85	96.87	81.50	96.89	81.44	43945.45	43708.14	1236.49	3123.82	3123.82	44944.63
4	MTPS U# 4	85	103.80	92.09	103.35	92.49	14166.28	14166.28	402.18	1263.26	1263.26	14568.46
5	HYDEL	80	80.00	80.00	80.00	80.00	9139.87	9139.87	0.00	237.17	237.17	9139.87
6	MTPS U# 5 & 6	85	78.28	89.54	78.01	89.78	37935.04	37317.15	1262.01	3108.52	2255.23	27989.16
7	MTPS U# 7 & 8	85	95.79	89.74	95.45	89.70	104464.29	104464.29	2398.77	6867.31	2047.15	31855.95
8	CTPS U# 7 & 8	85	91.95	82.34	91.35	82.03	57965.41	57273.92	1582.90	3135.60	137.97	2589.77
9	DSTPS U # 1 & 2	85	86.19	88.22	85.46	88.57	107046.92	107046.92	130.98	6724.18	4555.63	72613.00
10	KTPS U# 1 & 2	85	90.29	89.31	90.41	88.83	115004.10	115004.10	1142.37	6886.93	115.01	1939.62
11	BTPS 'A'	85	93.25	89.94	92.81	90.87	77188.94	77188.94	0.00	3581.51	2157.86	46506.34
12	RTPS U # 1&2	85	68.68	56.61	68.78	56.27	137183.45	94955.16	0.00	5281.67	2312.84	41580.8
	TOTAL											296447.35

Note(*): $I = \text{MIN}(H^*3/12^*0.2^*D/C + \text{MIN}(H^*3/12^*0.8^*E/C, H^*3/12^*0.8), H^*3/12) + \text{MIN}(H^*9/12^*0.2^*F/C + \text{MIN}(H^*9/12^*0.8^*G/C, H^*9/12^*0.8), H^*9/12)$; $M = (J + I) \times (L / K)$



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Annexure – 4D

Cost of power purchase for consumers in West Bengal for the year 2020 – 21

Agency	Gross Purchased Energy	Net Purchased Energy	Capacity Charge	Energy Charge	Trans. Charge	Others	Total Purchase Cost	Average Power purchase cost
	MU	MU	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)	(p/kwh)
NHPC								
Rangit	28.11	27.47	614.2	535.54	296.62	-2.66	1443.70	
Teesta	236.91	231.78	2915.84	2755.29	2499.74	272.23	8443.10	
NTPC								
Talcher	5.94	5.76	76.95	120.17	62.62	3.70	263.44	
KBUNL	41.05	39.85	1763.98	1055.93	433.16	41.68	3294.75	
Solar Power(VVNL)	27.65	26.76		2949.07	408.21	25.46	3382.74	
Solar Power(Talcher,Uchhar)	29.23	29.23		2733.01		18.17	2751.18	
PTC power from Bhutan								
Chukha (PTC)	215.23	210.83	0.00	5168.97	2270.96	-8.61	7431.32	
Kurichu (PTC)	46.70	45.84	0	1013.3	583.53	0	1596.83	
Tala (PTC)	187.89	184.26	0	4058.49	1982.52	-0.2	6040.81	
MPL	452.08	439.79	15898.28	11100.38	4770.05	-842.43	30926.28	
Power Exchange								
GTAM/GDAM(Solar)	47.05	47.05		1914.46			1914.46	
GTAM/GDAM(Non Solar)	60.36	60.36		2612.84			2612.84	
IEX & PXIL	49.17	49.14		1862.87		74.96	1937.83	
Solar Roof top	0.00	0.00					0.00	
REC						514.33	514.33	
Past period adjustment								
Total Purchase cost including RE	1427.37	1398.12					72553.61	
Total Purchase cost excluding RE	1263.08	1234.72					61892.39	501.27

Power Purchase Cost including cost of RE for DVC (Rs Lakh)	A	72553.61
Percentage of share for sale in West Bengal (%)	B	53.425
Power Purchase Cost including cost of RE for Share of sale in West Bengal (Rs Lakh)	C=A x B	38761.77
Admissible energy drawal through UI for sale in West Bengal (MU)	D	31.45
Net UI drawal by DVC in WB and JH (MU)	E	105.09
Net UI Charge Payable by DVC in WB and JH (Rs lakh)	F	8063.53
UI Charge Payable (Rs lakh) in WB part of DVC (Rs lakh)	G=Fx(D/E)	2413.15
Admissible UI Charge Payable (Rs lakh) in WB part of DVC	H= Minimum of 5% of C and G	1938.09
Admitted total cost of power purchase including RE for sale in West Bengal (Rs Lakh)	I=C+H	40699.86



Tariff Order of DVC for the years 2020 – 21, 2021 – 22 and 2022 – 2023

Annexure – 4E

Cost of power purchase for consumers in West Bengal for the year 2021 – 22

Agency	Gross Purchased Energy	Net Purchased Energy	Capacity Charge	Energy Charge	Trans. Charge	Others	Total Purchase Cost	Average Power purchase cost
	MU	MU	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)	(p/kwh)
NHPC								
Rangit	32.83	31.73	677.93	625.33	278.65	44.38	1626.29	
Teesta	224.76	217.33	2878.16	2613.93	1907.94	436.61	7836.64	
NTPC								
Talcher	12.66	12.23	132.71	227.81	107.44	4.81	472.77	
KBUNL	83.72	80.85	1868.15	2226.30	710.66	-1.06	4804.05	
Solar Power(VVNL)	26.49	25.64		2726.65	393.42	26.10	3146.17	
Solar Power(Talcher,Uchhar)	26.66	26.66		2492.52		1.49	2494.01	
PTC power from Bhutan								
Chukha (PTC)	188.62	182.47	0.00	4529.91	1601.17	0.16	6131.24	
Kurichu (PTC)	23.95	23.18	0.00	519.69	295.84	0.53	816.06	
Tala (PTC)	153.37	148.44	0.00	3312.9	1301.98	0.81	4615.69	
MPL	1029.36	994.15	15847.39	26463.93	8738.13	2466.18	53515.63	
Power Exchange								
GTAM/GDAM(Solar)	17.12	17.12		869.96			869.96	
GTAM/GDAM(Non Solar)	12.48	12.48		684.70			684.70	
IEX & PXIL	274.50	274.50		24092.51		650.31	24742.82	
Solar Roof top	0.00	0.00						
REC						10941.98	10941.98	
Past period adjustment						166.88	166.88	
Total Purchase cost including RE	2106.52	2046.78					122864.89	
Total Purchase cost excluding RE	2023.77	1964.88					104728.07	533.00

Power Purchase Cost including cost of RE for entire DVC area (Rs Lakh)	A	122864.89
Percentage of share for sale in West Bengal (%)	B	54.497
Admitted total cost of power purchase including RE for sale in West Bengal (Rs Lakh)	C=A x B%	66957.68



Tariff Order of DVC for the years 2020 – 21, 2021 – 22 and 2022 – 2023

Annexure – 4F

Cost of power purchase for consumers in West Bengal for the year 2022 – 23

Agency	Gross Purchased Energy	Net Purchased Energy	Capacity Charge	Energy Charge	Trans. Charge	Others	Total Purchase Cost	Average Power purchase cost
	MU	MU	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)	(p/kwh)
NHPC								
Rangit	31.63	30.55	639.52	602.56	308.81	165.03	1715.92	
Teesta	239.34	231.10	2954.97	2772.99	2336.42	906.46	8970.84	
NTPC								
Talcher	14.30	13.79	133.46	274.73	139.60	40.76	588.55	
KBUNL	0.00	0.00				0.00	0.00	
Solar Power(VVNL)	28.80	27.77		3179.66	423.59	304.41	3907.66	
Solar Power(Talcher,Uchhar)	28.51	28.51		2665.74		125.51	2791.25	
PTC power from Bhutan								
Chukha (PTC)	163.86	158.34	0.00	3935.11	1599.62	-0.06	5534.67	
Kurichu (PTC)	9.37	9.05	0	213.6	91.45	83.16	388.21	
Tala (PTC)	131.59	127.17	0	2987.07	1284.58		4271.65	
MPL	1081.44	1043.16	15512.79	29606.84	10557.06	1004.39	56681.08	
Power Exchange								
GTAM/GDAM(Solar)	100.03	96.59		8644.55			8644.55	
GTAM/GDAM(Non Solar)	243.25	234.41		21021.71			21021.71	
IEX & PXIL	387.54	374.34	0	17200.35			17200.35	
Solar Roof top	3.83	3.83		127.00		24.35	151.35	
REC (Non Solar)						46717.63	46717.63	
Past period adjustment						45.62	45.62	
Total Purchase cost including RE	2463.49	2378.61					178631.04	
Total Purchase cost excluding RE	2059.07	1987.50					95396.89	479.98

Power Purchase Cost including cost of RE for entire DVC area (Rs Lakh)	A	178631.04
Percentage of share for sale in West Bengal (%)	B	55.112
Admitted total cost of power purchase including RE for sale in West Bengal (Rs Lakh)	C=A x B%	98447.14

**CHAPTER – 5****SUMMARISED STATEMENT OF AGGREGATE REVENUE REQUIREMENT & REVENUE RECOVERABLE THROUGH TARIFF FOR THE YEARS 2020 – 21, 2021 – 22 AND 2022 – 23**

5.1 Based on the analyses and findings recorded in the foregoing chapters the statements of Aggregate Revenue Requirement (ARR) for the years 2020 – 21, 2021 – 22 and 2022 – 23 are given below:

Table – 5.1: Net ARR for sale to consumers and Licensees in radial mode in West Bengal

Rs lakh

Particulars	Projected			Admitted		
	20-21	21-22	22-23	20-21	21-22	22-23
Power Purchase Cost	58927.64	61069.85	61665.53	40699.86	66957.68	98447.14
Generation cost	408905.22	438439.51	465807.8	374804.15	406522.34	448130.05
Cess on Generation	13.98	16.67	19.35	5.44	7.08	8.76
Transmission and distribution cost	30188.29	30762.13	31361.73	25785.73	28080.04	27887.35
Interest on Working capital	1463.76	1516.97	1531.77	463.60	708.55	1039.31
Interest on security deposit payable to West Bengal consumers	223.65	229.24	234.97	223.65	229.24	234.97
Interest on Temporary Accommodation	2184.02	2279.82	2380.95	0.00	0.00	0.00
Different petition filing charges to regulators and publication fees	361.11	356.53	351.21	178.97	184.02	186.59
Legal Charges & Consultancy Fees	105.79	105.17	104.61	101.10	103.12	104.29
Gross ARR	502373.46	534775.89	563457.92	442262.50	502792.07	576038.46
Less: Non-tariff income	2848.73	2973.68	3105.58	2848.72	2973.68	3105.58
Less: Share of income from UI [para 4.6.5]					3549.90	2772.09
Net ARR for sale to consumers and Licensees in radial mode in West Bengal	499524.73	531802.21	560352.34	439413.78	496268.49	570160.79



5.2 Sale to other licensee of West Bengal in radial mode:

5.2.1 This Commission estimates sales revenue in Rs lakh to other licensees in West Bengal in radial mode (IPCL and WBSEDCL) from Form 2.3 prorated to admitted sale in MU to other licensee in previous chapter for the years 2020 – 21, 2021 – 22 and 2022 – 23 from Form 2.3 as shown below:

Table – 5.2.1: Sale to other licensee of West Bengal in radial mode

Sl. No.	Particulars	20-21	21-22	22-23
1	Sale to IPCL in radial mode (MU)	49.99	96.53	237.46
2	Sale to WBSEDCL in radial mode (MU)	485.63	506.09	572.50
3	Sale to IPCL in radial mode (Rs lakh)	3833.03	7401.53	18207.48
4	Sale to WBSEDCL in radial mode (Rs lakh)	25398.93	26469.52	29942.90
5	TOTAL [(3) + (4)]	29231.96	33871.05	48150.38

5.2.2 However, this should not be construed by DVC as approval of licensee tariff by the Commission. IPCL and WBSEDCL had filed this petition before the Commission to pass an order for not imposing retail tariff determined for the consumers of DVC in the tariff order dated 25.05.2015 on the bulk sale of power to WBSEDCL and IPCL as a licensee by DVC in respect of radial sale. This Commission had issued orders dated 01.03.2019, in Case No. OA-272/18-19 and Case No. OA-273/18-19 in regard to the applications submitted by IPCL and WBSEDCL seeking direction in order to resolve the issue of energy cost for supply of energy in radial mode by DVC. In the said orders, this Commission had stated that the retail tariff that this Commission determined on the basis of tariff petitions submitted by DVC for the years 2014 - 2015, 2015 - 2016 and 2016 – 2017 was not determined for the licensees including IPCL and WBSEDCL and that tariff can not be charged upon them and both the parties (DVC and IPCL/WBSEDCL) are at liberty to settle the issues as per the provisions of law in force. This Commission



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maintains the Orders issued by this Commission on March 1, 2019 in Case No. OA-272/18-19 and Case No. OA-273/18-19.

- 5.3 Net ARR for Sale to consumers in West Bengal excluding Licensees in radial mode are as below:

Table – 5.3: Net ARR for Sale to consumers excluding Licensees in radial mode in West Bengal

(Rs lakh)

Particulars	Projected			Admitted		
	20 – 21	21 – 22	22 – 23	20 – 21	21 – 22	22 – 23
Net ARR for sale to consumers and Licensees in radial mode in West Bengal	499524.73	531802.21	560352.34	439413.78	496268.49	570160.79
Sale to IPCL in radial mode	15440.22	16061.96	16517.27	3833.03	7401.53	18207.48
Sale to WBSEDCL in radial mode	37418.90	39009.77	40235.55	25398.93	26469.52	29942.90
Net ARR for Sale to consumers excluding Licensees in radial mode in West Bengal	446665.61	476730.48	503599.52	410181.82	462397.44	522010.41

- 5.4 This Commission now determines the revenue gap for 2020 – 21, 2021 – 22 and 2022 – 23 as shown in the table below:



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Table – 5.4: Revenue Gap

Sl. No.	Particulars	Unit	20- 21	21-22	22-23
A	Admitted sale to consumers of WB excluding licensees	MU	7780.34	9216.75	10187.48
B	Existing Average cost of supply in Tariff Order for 2019 – 20	Rs/kwh	5.0849	5.0849	5.0849
C	Net Annual Revenue at current Tariff for consumers in WB excluding licensees as per admitted Sale [A x B]	Rs lakh	395622.51	468662.52	518023.17
D	Net ARR for Sale to consumers excluding Licensees in radial mode in West Bengal [para 5.3]	Rs lakh	410181.82	462397.44	522010.41
E	Revenue Gap (-)/ surplus (+) [D - C]	Rs lakh	14559.31	-6265.08	3987.24

5.5 Financial Years of 2020 – 21, 2021 – 22 and 2022 – 23 have been completed, thus, this Commission finds it prudent to continue with the prevailing tariff schedule of 2019 – 20 in tariff order dated 17.06.2022. Any variation of actual Revenue Gap (-)/ surplus of DVC considered in Sl. No. (E) of table under paragraph 5.4 will be dealt with suitably during the APR for 2020 – 21, 2021 – 22 and 2022 – 23 respectively.

5.6 On the basis of above analysis, the detailed tariff structure for different classes of consumers and other terms and conditions related to tariff for the years 2020 – 21, 2021 – 22 and 2022 – 23 are provided in next chapter of this order.



CHAPTER – 6

TARIFF ORDER FOR 2020 – 21, 2021 – 22 AND 2022 – 23

6.1 In the previous chapter, the Commission, in accordance with the Tariff Regulations, has determined for DVC the revenue recoverable through tariff during 2020 – 21, 2021 – 22 and 2022 – 23 and the average tariff for the consumers of DVC in the State of West Bengal for 2020 – 21, 2021 – 22 and 2022 – 23 as well. This Commission now proceeds to determine the tariff schedule applicable to the consumers of DVC and also the associated conditions of tariff of DVC for 2020 – 21, 2021 – 22 and 2022 – 23. This Commission is passing other orders also as mentioned in subsequent paragraphs.

6.2 **Tariff schedule and conditions of Tariff for consumers of DVC during 2020 – 21**

6.2.1 For the year 2020 – 21, this Commission finds it prudent to continue the tariff schedule of 2019 – 20 since the period has elapsed. Accordingly, the Tariff schedule for 2020 – 21 is given in Annexure 6A1 for LV & MV consumers and at Annexure 6A2 for HV & EHV consumers.

6.2.2 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 2019 – 2020 shall continue during the year 2020 – 21.

6.2.3 All the rates and conditions of tariff mentioned above are effective from 1st April 2020.

6.3 **Tariff schedule and conditions of Tariff for consumers of DVC during 2021 – 22**

6.3.1 For the year 2021 – 22, this Commission finds it prudent to continue the tariff schedule of 2019 – 20 since the period has elapsed. Accordingly, the Tariff schedule for 2021 – 22 is given in Annexure 6B1 for LV & MV consumers and at Annexure 6B2 for HV & EHV consumers.

6.3.2 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



Tariff Order of DVC for the years 2020 – 21, 2021 – 22 and 2022 – 2023

and Annexure C2 of the Tariff Regulations. Other associated conditions of the tariff as per tariff order for the year 2019 – 2020 shall continue to prevail.

6.3.3 All the rates and conditions of tariff mentioned above are effective from 1st April 2021.

6.4 Tariff schedule and conditions of Tariff for consumers of DVC during 2022 – 23

6.4.1 For the year 2022 – 23, this Commission finds it prudent to continue the tariff schedule of 2019 – 20 since the period has elapsed. Accordingly, the Tariff schedule for 2022 – 23 is given in Annexure 6C1 for LV & MV consumers and at Annexure 6C2 for HV & EHV consumers.

6.4.2 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 2019 – 2020 shall continue to prevail.

6.4.3 All the rates and conditions of tariff mentioned above are effective from 1st April 2022 and will continue till further order by the Commission.

6.5 Green Tariff

6.5.1 Clause (b) of sub-section (1) of section 86 of the Electricity Act 2003 inter-alia specifies that, while discharging its function, the State Commission shall promote procurement of renewable energy. The Ministry of Power, Government of India has also issued various directions for promotion of renewable energy in India. The Government of India has a vision to achieve 50% of its energy requirement through renewables by 2030. A vibrant market segment termed as GTAM has also been introduced for trading in renewable energy. Further, the Ministry of Power, Gol, has also notified Green Open Access Rules as a major reform to promote renewable energy through Green Open Access by enabling the commercial and industrial consumers to 'Go Green'.

6.5.2 This Commission has also noted the initiative taken by the Government of West Bengal and DVC for promotion of roof top solar. This Commission has also noted that many State



Tariff Order of DVC for the years 2020 – 21, 2021 – 22 and 2022 – 2023

Electricity Regulatory Commissions have introduced a 'Green Tariff' in the range of 50 paise per unit to 70 paise per unit for promotion of renewable energy.

- 6.5.3 In view of the Green Open Access Rules and 'Go Green' initiatives taken up by the Government of India, the Commission, in order to promote renewables, had introduces 'Green Tariff' prospectively for all consumers other than domestic and agriculture consumers. The 'Green Tariff' at the rate of 50 paisa/kwh is to be levied over and above the retail tariff to the consumer who intends to consume a minimum of 25% of its consumption using green power for an uninterrupted period for at least six months. However, requisition for green power shall be made in multiple of 25% of its consumption.
- 6.5.4 DVC shall specifically indicate the 'Green Tariff', if any, in their electricity bills along with amount of 'Green Tariff' payable by the consumers for the relevant period. This Commission may, from time to time, review the green tariff. The details of category wise green tariff collected including the total energy therein shall be furnished in the APR application by DVC.
- 6.6 **Promotional tariff for Electric Vehicle charging stations**
- 6.6.1 In addition to promoting the renewables, the Government has also decided for promotion of Electric Vehicles to achieve overall reduction of carbon footprint. This Commission in line with such Government Policy allows single part tariff for EV Charging stations in the tariff orders of 2022 – 23 at Rs. 6.00 per unit during the peak hours (17:00 hrs to 23:00 hrs) and Rs 5.50 per unit during the period other than peak hours. These rates will however be effective from the date of issue of this order.
- 6.6.2 Any EV Charging Station has the liberty to go for complete green resource by applying for green energy with payment of 'Green Tariff' as specified in paragraph 6.5 above.
- 6.7 The rates mentioned in Annexure 6A1, 6A2, 6B1, 6B2, 6C1 and 6C2 to this order exclude the Monthly Variable Cost Adjustment (MVCA), if any, realized / to be realized by DVC.
- 6.8 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 years 2020 – 21, 2021 – 22 and 2022 – 2023

from which this tariff order takes effect prospectively. 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 prospectively. 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 2019 – 2024. The MVCA realized by DVC from 1st April, 2020 shall not be considered for adjustment, if any, as per this tariff order. The MVCA realized by DVC is subject to truing up during Annual Performance Review (APR) for the respective year as per provision of Tariff Regulations.

- 6.9 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.
- 6.10 On prayer of DVC to approve the rate of purchase of power by WBSEDCL and IPCL from DVC in radial mode, this Commission decides to continue the Orders issued by this Commission on March 1, 2019 in Case No. OA-272/18-19 and Case No. OA-273/18-19. In the said orders, this Commission had stated that both the parties are at liberty to settle the issues as per the provisions of law in force.
- 6.11 This is open to the State Government to grant any subsidy to any consumer or any class of consumers in the tariff determined by this Commission for DVC. If at all any such subsidy under the provisions of the Act is intimated to DVC and to this 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 this Commission shall remain applicable. In accordance with the Tariff Regulations, the State Government is required to communicate the decision to DVC and this Commission within 15 days from the date of receipt of the



Tariff Order of DVC for the years 2020 – 21, 2021 – 22 and 2022 – 2023

tariff order, whether it shall give any subsidy to any group of consumers etc.

- 6.12 DVC shall clearly indicate in the consumer's bill (a) the amount payable in terms of the tariff determined by this Commission (b) amount payable for green tariff, if any (c) the amount of the State Government subsidy, if any and (d) the net amount payable as per provisions of the Tariff Regulations.
- 6.13 This order passed by this Commission shall be subject to any order which may be passed by the Hon'ble High Court at Calcutta and any other court of Law.
- 6.14 DVC shall present to this 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 (4) working days from the date of receipt of the approval of the Commission.

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2020 - 2021*

Annexure -6A1



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme											
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II					
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh
1.	Lifeline (Domestic)	D (LL)	Normal	All Units		252	5	Not Applicable					Not Applicable					
2	Domestic (Rural) or Domestic (Urban)	D(L)	Normal	First 34 Units	343	15	D(Lpp)	Prepaid	All Units		528	15	Not Applicable					
				Next 26 Units	388													
				Next 40 Units	503													
				Next 100 Units	543													
				Next 100 Units	563													
				Above 300 Units	593													
3.	Commercial (Rural) or Commercial (Urban) below 30 KVA	C(L)(ia)	Normal	First 60 Units	463	30	C(Lt)(ia)	Normal TOD	06.00 hrs to 17.00 hrs	All units	543	30	C(Ltp)(ia)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	533	30
				Next 40 Units	528				17.00 hrs to 23.00 hrs.	All units	597				17.00 hrs to 23.00 hrs.	All units	587	
				Next 50 Units	553				23.00 hrs to 06.00 hrs	All units	456				23.00 hrs to 06.00 hrs	All units	448	
				Next 150 Units	573													
				Above 300 Units	603													
4.	Irrigation	Rate C(at)	Normal TOD	06.00 hrs to 17.00 hrs	All units	263	30	Rate C(atpp)	Pre-Paid TOD	06.00 hrs to 17.00 hrs	All units	258	Not Applicable					
				17.00 hrs to 23.00 hrs.	All units	500				17.00 hrs to 23.00 hrs.	All units	748						
				23.00 hrs to 06.00 hrs	All units	158				23.00 hrs to 06.00 hrs	All units	155						

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2020 - 2021*

Annexure -6A1



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme							
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II		
				06.00 hrs to 17.00 hrs	All units			Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme
5.	Commercial Plantation	Rate A(Cm-Ptpp)	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-StPtpp)	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								

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2020 - 2021*

Annexure -6A1



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme												
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II						
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon		
				23.00 hrs to 06.00 hrs	All units	514													

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2020 - 2021*

Annexure -6A1



SI No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme										
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II					
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	
9.	Government School, Government aided School or Government Sponsored School	Rate GS(L)	Normal	On all Units	493	25	Rate GS(L)T	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	483	25	Not Applicable				
									17.00 hrs to 20.00 hrs.	All units	531						
									23.00 hrs to 06.00 hrs	All units	469						
10.	Public utility/ Specified Institution/ Public Bodies Municipal or Non-Municipal	Rate PU(LT)	Normal	On all Units	528	30	Rate PUpp (LT)	Prepaid	On all Units	518	30	Rate PUppt (LT)	Prepaid TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	508	30
														17.00 hrs to 20.00 hrs.	All units	559	
														23.00 hrs to 06.00 hrs	All units	472	
11.	Cottage Industry / Artisan / Weavers / Small production oriented establishment not run by electricity as motive power	Rate C(L)(ii)	Normal	All Units	513	30	Rate Cppt (L) (ii)	Prepaid - TOD	06.00 hrs - 17.00 hrs	All Units	503	30	Not Applicable				
									17.00 hrs to 23.00 hrs	All Units	553						
									23.00 hrs to 06.00 hrs	All Units	468						

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2020 - 2021*

Annexure -6A1



SI No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme									
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II				
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon
12.	Poultry, Duckery, Horticulture, Tissue culture, Floriculture, Herbal - Medicinal - Bio-diesel Plant Farming, Food Processing Unit	Rate C(L)(iii)	Normal	All Units	523	30	Rate Cppt (L) (iii)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All Units	513	30	Not Applicable			
								17.00 hrs to 23.00 hrs	All Units	564						
								23.00 hrs to 06.00 hrs	All Units	477						

Tariff Order of DVC for the year 2020 - 2021

LOW AND MEDIUM VOLTAGE CONSUMERS

Annexure -6A1



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme										
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II					
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	
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	All Units	503	50	Not Applicable				
									17.00 hrs to 20.00 hrs.	All Units	704						
									23.00 hrs to 06.00 hrs	All Units	330						
14.	Industry	Rate I(L)	Normal	All Units	523	50	Rate I(L)	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	513	50	Not Applicable				
									17.00 hrs to 23.00 hrs	All Units	718						
									23.00 hrs to 06.00 hrs	All Units	339						
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	All Units	522	50	Not Applicable				
									17.00 hrs to 23.00 hrs	All Units	574						
									23.00 hrs to 06.00 hrs	All Units	485						
18.	Emergency Supply	Rate D (2)	Prepaid-TOD	06.00 hrs to 17.00 hrs	On all Units	583	50	Not Applicable					Not Applicable				
				17.00 hrs to 23.00 hrs	On all Units	816											
				23.00 hrs to 06.00 hrs	On all Units	385											

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2020 - 2021*

Annexure -6A1



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme							
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II		
				Consumer category	Name of the Tariff Scheme			Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon
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)t	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	512	30	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									

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2020 - 2021*

Annexure -6A1



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme										
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II						
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	
				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 -6A2



Sl No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme							
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	
					P/kWh							P/kWh				
					Summer	Monsoon	Winter					Summer	Monsoon	Winter		
1.	Public Utility	Rate PU (H)	Normal	All Units	482	479	476	384	Rate PU (Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	472	470	468	384
											17.00 hrs-20.00 hrs	All Units	560	558	556	
											23.00 hrs-06.00 hrs	All Units	396	395	393	
2.	Industries (11 KV)	Rate I-1 (H)	Normal	All Units	488	486	484	384	Rate I (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	478	476	474	384
											17.00 hrs-23.00 hrs	All Units	574	571	569	
											23.00 hrs-06.00 hrs	All Units	406	405	403	
3.	Industries (33 KV)	Rate I-2 (H)	Normal	All Units	476	474	472	384	Rate I-2 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	467	465	463	384.
											17.00 hrs-23.00 hrs	All Units	560	558	554	
											23.00 hrs-06.00 hrs	All Units	397	395	394	
4.	Industries (132 KV)	Rate I-3 (H)	Normal	All Units	462	460	458	384	Rate I-3 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	452	450	448	384.
											17.00 hrs-23.00 hrs	All Units	542	540	538	
											23.00 hrs-06.00 hrs	All Units	384	383	381	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6A2



Sl No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme								
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/month)
						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	All Units	437	435	433	384.
											17.00 hrs-23.00 hrs	All Units	524	522	520		
											23.00 hrs-06.00 hrs	All Units	371	370	368		
6.	Community Irrigation/ Irrigation	Rate AI (H)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	487	483	479	60	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	973	965	957									
				23.00 hrs-06.00 hrs	All Units	293	290	288									
7.	Commercial Plantation	Rate S (cp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	502	499	497	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	703	698	696									
				23.00 hrs-06.00 hrs	All Units	331	329	328									
8.	Short Term Irrigation Supply	Rate S (stis)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	502	497	492	60	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	672	662	652									
				23.00 hrs-06.00 hrs	All Units	301	298	295									
9.	Short Term Supply for Commercial Plantation	Rate S(stcp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	512	510	508	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	717	714	711									
				23.00 hrs-06.00 hrs	All Units	307	306	305									

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6A2



Sl No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme						
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)
					P/kWh							P/kWh			
					Summer	Monsoon	Winter					Summer	Monsoon	Winter	
10.	Commercial	Rate C (H)	Normal	All Units	497	494	491	384	Rate C (Ht)	Normal - TOD	06.00 hrs-17.00 hrs All Units	487	482	477	384
											17.00 hrs-23.00 hrs All Units	584	578	572	
											23.00 hrs-06.00 hrs All Units	414	410	405	
11.	Domestic	Rate D (H)	Normal	All Units	522	519	516	60	Rate D (Ht)	Normal - TOD	06.00 hrs-17.00 hrs All Units	512	506	500	60
											17.00 hrs-23.00 hrs All Units	563	557	550	
											23.00 hrs-06.00 hrs All Units	476	471	465	
12.	Public Water Works & Sewerage	Rate PWW (H)	Normal	All Units	477	473	469	384	Rate PWW(Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs All Units	467	462	457	384
											17.00 hrs-20.00 hrs All Units	654	647	640	
											23.00 hrs-06.00 hrs All Units	308	305	301	
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 All Units	477	471	465	384
											17.00 hrs-23.00 hrs All Units	572	565	558	
											23.00 hrs-06.00 hrs All Units	405	400	395	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6A2



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)
						P/kWh								P/kWh			
						Summer	Monsoon	Winter						Summer	Monsoon	Winter	
15.	Emergency Supply	Rate E (em)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	581	579	577	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	813	811	808									
				23.00 hrs-06.00 hrs	All Units	384	383	381									
16.	Construction Power Supply	Rate E (con)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	529	527	525	384	Not Applicable							
				17.00 hrs-20.00 hrs	All Units	740	738	735									
				23.00 hrs-06.00 hrs	All Units	489	487	485									
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	517	513	509	60	Rate S (cot)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	507	502	497	60	
17.00 hrs-23.00 hrs	All Units	558	552	547													
23.00 hrs-06.00 hrs	All Units	519	513	508													

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6A2



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)
						P/kWh								P/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	All Units	470	467	464	384	Not Applicable							
				17.00 hrs-20.00 hrs	All Units	564	654	650									
				23.00 hrs-06.00 hrs	All Units	400	308	306									
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	All Units	571	569	567	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	693	690	687									
				23.00 hrs-06.00 hrs	All Units	350	348	346									
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	All Units	477	471	465	384
17.00 hrs-23.00 hrs	All Units	524	518	511													
23.00 hrs-06.00 hrs	All Units	488	482	476													

LOW AND MEDIUM VOLTAGE CONSUMERS Tariff Order of DVC for the year 2021 - 2022

Annexure -6B1



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme											
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II						
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon		
1.	Lifeline (Domestic)	D (LL)	Normal	All Units	252	5	Not Applicable					Not Applicable						
2	Domestic (Rural) or Domestic (Urban)	D(L)	Normal	First 34 Units	343	15	D(Lpp)	Prepaid	All Units	528	15	Not Applicable						
				Next 26 Units	388													
				Next 40 Units	503													
				Next 100 Units	543													
				Next 100 Units	563													
Above 300 Units	593																	
3.	Commercial (Rural) or Commercial (Urban) below 30 KVA	C(L)(ia)	Normal	First 60 Units	463	30	C(Lt)(ia)	Normal TOD	06.00 hrs to 17.00 hrs	All units	543	30	C(Ltp)(ia)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	533	30
				Next 40 Units	528				17.00 hrs to 23.00 hrs.	All units	597				17.00 hrs to 23.00 hrs.	All units	587	
				Next 50 Units	553				23.00 hrs to 06.00 hrs	All units	456				23.00 hrs to 06.00 hrs	All units	448	
				Next 150 Units	573													
Above 300 Units	603																	
4.	Irrigation	Rate C(at)	Normal TOD	06.00 hrs to 17.00 hrs	All units	263	30	Rate C(atpp)	Pre-Paid TOD	06.00 hrs to 17.00 hrs	All units	258	Not Applicable					
				17.00 hrs to 23.00 hrs.	All units	500				17.00 hrs to 23.00 hrs.	All units	748						
				23.00 hrs to 06.00 hrs	All units	158				23.00 hrs to 06.00 hrs	All units	155						

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2021 - 2022*

Annexure -6B1



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme							
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II			
				Consumer category	Name of the Tariff Scheme			Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon
5.	Commercial Plantation	Rate A(Cm-Ptpp)	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- STptpp)	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									

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2021 - 2022*

Annexure -6B1



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme											
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II							
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon		
				23.00 hrs to 06.00 hrs	All units	514													

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2021 - 2022*

Annexure -6B1



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme										
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II					
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	
9.	Government School, Government aided School or Government Sponsored School	Rate GS(L)	Normal	On all Units	493	25	Rate GS(L)T	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	483	25	Not Applicable				
									17.00 hrs to 20.00 hrs.	All units	531						
									23.00 hrs to 06.00 hrs	All units	469						
10.	Public utility/ Specified Institution/ Public Bodies Municipal or Non-Municipal	Rate PU(LT)	Normal	On all Units	528	30	Rate PUpp (LT)	Prepaid	On all Units	518	30	Rate PUppt (LT)	Prepaid TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	508	30
														17.00 hrs to 20.00 hrs.	All units	559	
														23.00 hrs to 06.00 hrs	All units	472	
11.	Cottage Industry / Artisan / Weavers / Small production oriented establishment not run by electricity as motive power	Rate C(L)(ii)	Normal	All Units	513	30	Rate Cppt (L) (ii)	Prepaid - TOD	06.00 hrs - 17.00 hrs	All Units	503	30	Not Applicable				
									17.00 hrs to 23.00 hrs	All Units	553						
									23.00 hrs to 06.00 hrs	All Units	468						

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2021 - 2022*

Annexure -6B1



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme										
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II					
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon
12.	Poultry, Duckery, Horticulture, Tissue culture, Floriculture, Herbal - Medicinal - Bio-diesel Plant Farming, Food Processing Unit	Rate C(L)(iii)	Normal	All Units	523	30	Rate Cppt (L) (iii)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All Units	513	30	Not Applicable				
								17.00 hrs to 23.00 hrs	All Units	564							
								23.00 hrs to 06.00 hrs	All Units	477							

LOW AND MEDIUM VOLTAGE CONSUMERS Tariff Order of DVC for the year 2021 - 2022

Annexure -6B1



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme										
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II				
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh
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	All Units	503	50	Not Applicable			
										17.00 hrs to 20.00 hrs.	All Units	704					
										23.00 hrs to 06.00 hrs	All Units	330					
14.	Industry	Rate I(L)	Normal	All Units		523	50	Rate It(L)	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	513	50	Not Applicable			
										17.00 hrs to 23.00 hrs	All Units	718					
										23.00 hrs to 06.00 hrs	All Units	339					
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	All Units	522	50	Not Applicable			
										17.00 hrs to 23.00 hrs	All Units	574					
										23.00 hrs to 06.00 hrs	All Units	485					
18.	Emergency Supply	Rate D (2)	Prepaid-TOD	06.00 hrs to 17.00 hrs	On all Units	583	50	Not Applicable					Not Applicable				
				17.00 hrs to 23.00 hrs	On all Units	816											
				23.00 hrs to 06.00 hrs	On all Units	385											

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2021 - 2022*

Annexure -6B1



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme									
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II					
				06.00 hrs. - 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units			Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon
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)t	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	512	30	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											

LOW AND MEDIUM VOLTAGE CONSUMERS Tariff Order of DVC for the year 2021 - 2022

Annexure -6B1



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme									
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II					
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon
				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 -6B2



Sl No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme							
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	
					P/kWh							P/kWh				
					Summer	Monsoon	Winter					Summer	Monsoon	Winter		
1.	Public Utility	Rate PU (H)	Normal	All Units	482	479	476	384	Rate PU (Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	472	470	468	384
											17.00 hrs-20.00 hrs	All Units	560	558	556	
											23.00 hrs-06.00 hrs	All Units	396	395	393	
2.	Industries (11 KV)	Rate I-1 (H)	Normal	All Units	488	486	484	384	Rate I (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	478	476	474	384
											17.00 hrs-23.00 hrs	All Units	574	571	569	
											23.00 hrs-06.00 hrs	All Units	406	405	403	
3.	Industries (33 KV)	Rate I-2 (H)	Normal	All Units	476	474	472	384	Rate I-2 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	467	465	463	384.
											17.00 hrs-23.00 hrs	All Units	560	558	554	
											23.00 hrs-06.00 hrs	All Units	397	395	394	
4.	Industries (132 KV)	Rate I-3 (H)	Normal	All Units	462	460	458	384	Rate I-3 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	452	450	448	384.
											17.00 hrs-23.00 hrs	All Units	542	540	538	
											23.00 hrs-06.00 hrs	All Units	384	383	381	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6B2



Sl No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme						
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)
					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 All Units	437	435	433	384.
											17.00 hrs-23.00 hrs All Units	524	522	520	
											23.00 hrs-06.00 hrs All Units	371	370	368	
6.	Community Irrigation/ Irrigation	Rate AI (H)	Normal - TOD	06.00 hrs-17.00 hrs All Units	487	483	479	60	Not Applicable						
				17.00 hrs-23.00 hrs All Units	973	965	957								
				23.00 hrs-06.00 hrs All Units	293	290	288								
7.	Commercial Plantation	Rate S (cp)	Normal - TOD	06.00 hrs-17.00 hrs All Units	502	499	497	384	Not Applicable						
				17.00 hrs-23.00 hrs All Units	703	698	696								
				23.00 hrs-06.00 hrs All Units	331	329	328								
8.	Short Term Irrigation Supply	Rate S (stis)	Normal - TOD	06.00 hrs-17.00 hrs All Units	502	497	492	60	Not Applicable						
				17.00 hrs-23.00 hrs All Units	672	662	652								
				23.00 hrs-06.00 hrs All Units	301	298	295								
9.	Short Term Supply for Commercial Plantation	Rate S(stcp)	Normal - TOD	06.00 hrs-17.00 hrs All Units	512	510	508	384	Not Applicable						
				17.00 hrs-23.00 hrs All Units	717	714	711								
				23.00 hrs-06.00 hrs All Units	307	306	305								

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6B2



Sl No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme						
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)
					P/kWh							P/kWh			
					Summer	Monsoon	Winter					Summer	Monsoon	Winter	
10.	Commercial	Rate C (H)	Normal	All Units	497	494	491	384	Rate C (Ht)	Normal - TOD	06.00 hrs-17.00 hrs All Units	487	482	477	384
											17.00 hrs-23.00 hrs All Units	584	578	572	
											23.00 hrs-06.00 hrs All Units	414	410	405	
11.	Domestic	Rate D (H)	Normal	All Units	522	519	516	60	Rate D (Ht)	Normal - TOD	06.00 hrs-17.00 hrs All Units	512	506	500	60
											17.00 hrs-23.00 hrs All Units	563	557	550	
											23.00 hrs-06.00 hrs All Units	476	471	465	
12.	Public Water Works & Sewerage	Rate PWW (H)	Normal	All Units	477	473	469	384	Rate PWW(Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs All Units	467	462	457	384
											17.00 hrs-20.00 hrs All Units	654	647	640	
											23.00 hrs-06.00 hrs All Units	308	305	301	
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 All Units	477	471	465	384
											17.00 hrs-23.00 hrs All Units	572	565	558	
											23.00 hrs-06.00 hrs All Units	405	400	395	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6B2



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)
						P/kWh								P/kWh			
						Summer	Monsoon	Winter						Summer	Monsoon	Winter	
15.	Emergency Supply	Rate E (em)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	581	579	577	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	813	811	808									
				23.00 hrs-06.00 hrs	All Units	384	383	381									
16.	Construction Power Supply	Rate E (con)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	529	527	525	384	Not Applicable							
				17.00 hrs-20.00 hrs	All Units	740	738	735									
				23.00 hrs-06.00 hrs	All Units	489	487	485									
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		517	513	509	60	Rate S (cot)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	507	502	497	60
												17.00 hrs-23.00 hrs	All Units	558	552	547	
												23.00 hrs-06.00 hrs	All Units	519	513	508	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6B2



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)
						P/kWh								P/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	All Units	470	467	464	384	Not Applicable							
				17.00 hrs-20.00 hrs	All Units	564	654	650									
				23.00 hrs-06.00 hrs	All Units	400	308	306									
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	All Units	571	569	567	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	693	690	687									
				23.00 hrs-06.00 hrs	All Units	350	348	346									
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	All Units	477	471	465	384
											17.00 hrs-23.00 hrs	All Units	524	518	511		
											23.00 hrs-06.00 hrs	All Units	488	482	476		

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2022 - 2023*

Annexure -6C1



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme											
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II					
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	
1.	Lifeline (Domestic)	D (LL)	Normal	All Units		252	5	Not Applicable					Not Applicable					
2	Domestic (Rural) or Domestic (Urban)	D(L)	Normal	First 34 Units	343	15	D(Lpp)	Prepaid	All Units	528	15	Not Applicable						
				Next 26 Units	388													
				Next 40 Units	503													
				Next 100 Units	543													
				Next 100 Units	563													
				Above 300 Units	593													
3.	Commercial (Rural) or Commercial (Urban) below 30 KVA	C(L)(ia)	Normal	First 60 Units	463	30	C(Lt)(ia)	Normal TOD	06.00 hrs to 17.00 hrs	All units	543	30	C(Ltp)(ia)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	533	30
				Next 40 Units	528				17.00 hrs to 23.00 hrs.	All units	597				17.00 hrs to 23.00 hrs.	All units	587	
				Next 50 Units	553				23.00 hrs to 06.00 hrs	All units	456				23.00 hrs to 06.00 hrs	All units	448	
				Next 150 Units	573													
				Above 300 Units	603													
4.	Irrigation	Rate C(at)	Normal TOD	06.00 hrs to 17.00 hrs	All units	263	30	Rate C(atpp)	Pre-Paid TOD	06.00 hrs to 17.00 hrs	All units	258	Not Applicable					
				17.00 hrs to 23.00 hrs.	All units	500				17.00 hrs to 23.00 hrs.	All units	748						
				23.00 hrs to 06.00 hrs	All units	158				23.00 hrs to 06.00 hrs	All units	155						

LOW AND MEDIUM VOLTAGE CONSUMERS Tariff Order of DVC for the year 2022 - 2023

Annexure -6C1



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme							
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II			
				Consumer category	Name of the Tariff Scheme			Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon
5.	Commercial Plantation	Rate A(Cm-Ptpp)	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- StPtpp)	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									



SI No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme										
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II						
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	
				23.00 hrs to 06.00 hrs	All units	514												

LOW AND MEDIUM VOLTAGE CONSUMERS Tariff Order of DVC for the year 2022 - 2023



Annexure -6C1



SI No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme										
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II					
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	
9.	Government School, Government aided School or Government Sponsored School	Rate GS(L)	Normal	On all Units	493	25	Rate GS(L)T	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	483	25	Not Applicable				
									17.00 hrs to 20.00 hrs.	All units	531						
									23.00 hrs to 06.00 hrs	All units	469						
10.	Public utility/ Specified Institution/ Public Bodies Municipal or Non-Municipal	Rate PU(LT)	Normal	On all Units	528	30	Rate PUpp (LT)	Prepaid	On all Units	518	30	Rate PUppt (LT)	Prepaid TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	508	30
														17.00 hrs to 20.00 hrs.	All units	559	
														23.00 hrs to 06.00 hrs	All units	472	
11.	Cottage Industry / Artisan / Weavers / Small production oriented establishment not run by electricity as motive power	Rate C(L)(ii)	Normal	All Units	513	30	Rate Cppt (L) (ii)	Prepaid - TOD	06.00 hrs - 17.00 hrs	All Units	503	30	Not Applicable				
									17.00 hrs to 23.00 hrs	All Units	553						
									23.00 hrs to 06.00 hrs	All Units	468						



SI No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme									
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II				
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh
12.	Poultry, Duckery, Horticulture, Tissue culture, Floriculture, Herbal - Medicinal - Biodiesel Plant Farming, Food Processing Unit	Rate C(L)(iii)	Normal	All Units	523	30	Rate Cppt (L) (iii)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All Units	513	30	Not Applicable			
								17.00 hrs to 23.00 hrs	All Units	564						
								23.00 hrs to 06.00 hrs	All Units	477						

LOW AND MEDIUM VOLTAGE CONSUMERS Tariff Order of DVC for the year 2022 - 2023

Annexure -6C1



Sl No	Type of Consumer	Applicable Tariff Scheme					Optional tariff Scheme										
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II					
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	
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	All Units	503	50	Not Applicable				
									17.00 hrs to 20.00 hrs.	All Units	704						
									23.00 hrs to 06.00 hrs	All Units	330						
14.	Industry	Rate I(L)	Normal	All Units	523	50	Rate It(L)	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	513	50	Not Applicable				
									17.00 hrs to 23.00 hrs	All Units	718						
									23.00 hrs to 06.00 hrs	All Units	339						
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	All Units	522	50	Not Applicable				
									17.00 hrs to 23.00 hrs	All Units	574						
									23.00 hrs to 06.00 hrs	All Units	485						
18.	Emergency Supply	Rate D (2)	Prepaid-TOD	06.00 hrs to 17.00 hrs	On all Units	583	50	Not Applicable					Not Applicable				
				17.00 hrs to 23.00 hrs	On all Units	816											
				23.00 hrs to 06.00 hrs	On all Units	385											

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2022 - 2023*

Annexure -6C1



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme																		
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I				Optional Tariff Scheme - II														
				06.00 hrs. – 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units			532	50	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							
19.	Construction Power Supply	Rate D (3)	Prepaid-TOD	17.00 hrs to 20.00 hrs.	On all Units	745	50	Not Applicable																		
				23.00 hrs to 06.00 hrs	On all Units	351		Not Applicable																		
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)t	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	512	30	Not Applicable												
									17.00 hrs to 23.00 hrs	All Units	563	Not Applicable														
									23.00 hrs to 06.00 hrs	All Units	476	Not Applicable														
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																		
				17.00 hrs to 20.00 hrs.	On all Units	731		Not Applicable																		

LOW AND MEDIUM VOLTAGE CONSUMERS *Tariff Order of DVC for the year 2022 - 2023*

Annexure -6C1



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional tariff Scheme										
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II					
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	
				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 -6C2



Sl No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme							
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	
					P/kWh							P/kWh				
					Summer	Monsoon	Winter					Summer	Monsoon	Winter		
1.	Public Utility	Rate PU (H)	Normal	All Units	482	479	476	384	Rate PU (Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	472	470	468	384
											17.00 hrs-20.00 hrs	All Units	560	558	556	
											23.00 hrs-06.00 hrs	All Units	396	395	393	
2.	Industries (11 KV)	Rate I-1 (H)	Normal	All Units	488	486	484	384	Rate I (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	478	476	474	384
											17.00 hrs-23.00 hrs	All Units	574	571	569	
											23.00 hrs-06.00 hrs	All Units	406	405	403	
3.	Industries (33 KV)	Rate I-2 (H)	Normal	All Units	476	474	472	384	Rate I-2 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	467	465	463	384.
											17.00 hrs-23.00 hrs	All Units	560	558	554	
											23.00 hrs-06.00 hrs	All Units	397	395	394	
4.	Industries (132 KV)	Rate I-3 (H)	Normal	All Units	462	460	458	384	Rate I-3 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	452	450	448	384.
											17.00 hrs-23.00 hrs	All Units	542	540	538	
											23.00 hrs-06.00 hrs	All Units	384	383	381	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6C2



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)
						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	All Units	437	435	433	384.
											17.00 hrs-23.00 hrs	All Units	524	522	520		
											23.00 hrs-06.00 hrs	All Units	371	370	368		
6.	Community Irrigation/Irrigation	Rate AI (H)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	487	483	479	60	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	973	965	957									
				23.00 hrs-06.00 hrs	All Units	293	290	288									
7.	Commercial Plantation	Rate S (cp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	502	499	497	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	703	698	696									
				23.00 hrs-06.00 hrs	All Units	331	329	328									
8.	Short Term Irrigation Supply	Rate S (stis)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	502	497	492	60	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	672	662	652									
				23.00 hrs-06.00 hrs	All Units	301	298	295									
9.	Short Term Supply for Commercial Plantation	Rate S(stcp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	512	510	508	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	717	714	711									
				23.00 hrs-06.00 hrs	All Units	307	306	305									

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6C2



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)
					P/kWh							P/kWh			
					Summer	Monsoon	Winter					Summer	Monsoon	Winter	
10.	Commercial	Rate C (H)	Normal	All Units	497	494	491	384	Rate C (Ht)	Normal - TOD	06.00 hrs-17.00 hrs All Units	487	482	477	384
											17.00 hrs-23.00 hrs All Units	584	578	572	
											23.00 hrs-06.00 hrs All Units	414	410	405	
11.	Domestic	Rate D (H)	Normal	All Units	522	519	516	60	Rate D (Ht)	Normal - TOD	06.00 hrs-17.00 hrs All Units	512	506	500	60
											17.00 hrs-23.00 hrs All Units	563	557	550	
											23.00 hrs-06.00 hrs All Units	476	471	465	
12.	Public Water Works & Sewerage	Rate PWW (H)	Normal	All Units	477	473	469	384	Rate PWW(Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs All Units	467	462	457	384
											17.00 hrs-20.00 hrs All Units	654	647	640	
											23.00 hrs-06.00 hrs All Units	308	305	301	
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 All Units	477	471	465	384
											17.00 hrs-23.00 hrs All Units	572	565	558	
											23.00 hrs-06.00 hrs All Units	405	400	395	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6C2



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)
						P/kWh								P/kWh			
						Summer	Monsoon	Winter						Summer	Monsoon	Winter	
15.	Emergency Supply	Rate E (em)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	581	579	577	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	813	811	808									
				23.00 hrs-06.00 hrs	All Units	384	383	381									
16.	Construction Power Supply	Rate E (con)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	529	527	525	384	Not Applicable							
				17.00 hrs-20.00 hrs	All Units	740	738	735									
				23.00 hrs-06.00 hrs	All Units	489	487	485									
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	509	60	Rate S (cot)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	507	502	497	60
												17.00 hrs-23.00 hrs	All Units	558	552	547	
												23.00 hrs-06.00 hrs	All Units	519	513	508	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6C2



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)
						P/kWh								P/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	All Units	470	467	464	384	Not Applicable							
				17.00 hrs-20.00 hrs	All Units	564	654	650									
				23.00 hrs-06.00 hrs	All Units	400	308	306									
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	All Units	571	569	567	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	693	690	687									
				23.00 hrs-06.00 hrs	All Units	350	348	346									
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	All Units	477	471	465	384
											17.00 hrs-23.00 hrs	All Units	524	518	511		
											23.00 hrs-06.00 hrs	All Units	488	482	476		



CHAPTER – 7

DIRECTIONS

- 7.1 This Commission has given some directions in different paragraphs in Chapter-4 and 5 of this order while determining the variable cost and fixed cost of DVC. DVC shall comply with those directions.
- 7.2 This Commission had given certain directions to DVC in the tariff order issued on 03.03.2017 for the year 2016 – 2017, in the tariff order issued on 05.05.2022 for the year 2017 – 2018 and in the tariff order dated 17.06.2022 for the years 2018 – 19 and 2019 – 20. This 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 this directions.
- 7.3 DVC will submit their APR petitions within 3 months from the date of issue of tariff orders for the years 2020 – 21, 2021 – 22 and 2022 – 23.
- 7.4 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 2020 – 21, 2021 – 22 and 2022 – 23.

Sd/-
(PULAK KUMAR TEWARI)
MEMBER

Sd/-
(MALLELA VENKATESWARA RAO)
CHAIRPERSON

Dated: 07.03.2024

Sd/-
SECRETARY