



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

**IN CASE NO. TP-104/22-23**

IN REGARD TO THE APPLICATION SUBMITTED BY DAMODAR VALLEY CORPORATION 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 2023 – 2024 TO 2025 – 2026

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

**DATE: 13.03.2024**





## **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 other licensees. In addition to the above, DVC undertakes the retail sale and supply of electricity to the consumers in the Damodar Valley area which falls in two contiguous States, namely the State of West Bengal and the State of Jharkhand.
- 1.3 In terms of West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011, as amended from time to time (hereinafter referred to as the 'Tariff Regulations'), the tariff applications for the eighth control period consisting of the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 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 eighth control period is 1<sup>st</sup> April, 2023.
- 1.4 DVC submitted their application for MYT for the eighth control period on 06.02.2023. The tariff petition was scrutinized with reference to requirements of tariff regulations and the same was admitted by this Commission in Case No. TP-104/22-23. DVC was accordingly directed to publish the gist of their tariff application in the newspapers and also in their website as per provisions of the Tariff Regulations. The gist was published on 04.05.2023 simultaneously in the newspapers namely (i) 'The Telegraph' (English), (ii) 'The Indian Express' (English), (iii) the 'Anandabazar Patrika' (Bengali) and (iv) the 'Bartaman' (Bengali). The gist along with the tariff petition was also posted in the website of DVC. The publication invited attention of all





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interested parties, stakeholders and the members of the public to the application for determination of tariff of DVC for the 8<sup>th</sup> Control Period and requested for submission of suggestions, objections and comments, if any, on the tariff application, to this Commission latest by 24.05.2023.

- 1.5 The suggestions, objections and comments on the aforementioned application of DVC for determination of tariff for the 8<sup>th</sup> Control Period was received from Steel Authority of India Limited, IISCO Steel Plant (SAIL) within the specified time limit. The stakeholder has submitted a common objection petition for 7<sup>th</sup> as well as 8<sup>th</sup> Control Period and the same has been recorded in a summarized form in Chapter – 3 of the instant order.
- 1.6 In view of notification of the fourth amendment to the Tariff Regulations published on 13.03.2023, this Commission gave opportunity to all utilities for submitting supplementary petition. However, DVC did not submit supplementary petition. Thus, this Commission decides to determine the tariff for 8<sup>th</sup> Control Period of DVC based on petition dated 06.02.2023 and considering the provisions of the Tariff Regulations, in the subsequent chapters.
- 1.7 This order relates to tariff petition filed by the Petitioner before this Commission for determination of ARR for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 and determination of retail tariff for 2023 – 2024 and 2024 – 2025 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 2023 – 2024, 2024 – 2025 and 2025 – 2026:**

The net Aggregate Revenue Requirement (ARR) projected by DVC for sale to consumers including licensees in radial mode in West Bengal for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 are Rs. 755568.99 lakh, Rs. 818536.53 lakh and Rs. 852471.13 lakh with projected average cost of supply at 626.01paise / kWh, 639.55 paise / kWh and 634.48 paise / kWh respectively. Major reasons for increase / decrease in proposed tariff by DVC for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 include higher coal price, increase in power purchase cost and proposed escalation of Fixed Cost of Generating Stations and T&D system of DVC.

2.2 The submission of DVC in the tariff petition for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 and the salient features of their proposal have been narrated in the following paragraphs:

2.3 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).

2.4 DVC has been supplying pooled power to its consumers and licensees (WBSEDCL, IPCL, JBVNL, JUSCO) 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 gap between demand and supply in respect of retail consumers during shortfall in own generation due to





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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), as submitted by DVC.

2.5 DVC submits that there are special features and salient facts pertaining to DVC in comparison to other licensees by reason of which the Tariff Regulations as generally proposed for other utilities cannot be applied as such to DVC and there is an inherent requirement to adopt appropriate deviations for DVC. In the case of DVC, Damodar Valley Corporation Act, 1948 including amendments thereof continue to apply and accordingly the special provisions of the said Act need to be given effect to. The tariff regulations notified under the Electricity Act, 2003 cannot override the special provisions of the DVC Act so far it is not inconsistent with the Electricity Act 2003. The Appellate Tribunal in the Order dated 23.11.2007 has specifically decided the above aspect which is upheld by the Hon'ble Supreme Court vide order dated 23.07.2018.

2.6 There are other special facts and aspects concerning DVC and therefore, DVC cannot be subjected to the same requirements in regard to the filing of revenue requirements and tariff proposals as in the case of other distribution licensees or deemed distribution licensees in the State of West Bengal. While in the case of other distribution licensees the area of operation is confined within one state, whereas in the case of DVC, the deemed distribution license covers the entire Damodar Valley area which falls in two contiguous States, namely, the State of West Bengal and the State of Jharkhand.

2.7 Tariff philosophy, considered by DVC for the purpose of formulation and designing the tariff, is placed hereunder:

2.7.1 The projected sale to consumers and licensees in respect of distribution activity of DVC during the 8<sup>th</sup> Control Period i.e. FY 2023-24 to 2025-26 under different supply category is 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 by DVC in line with the past trend and actual load pattern of FY 2022-23 (till





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Dec. 2022).

- 2.7.2 Projected firm sale of DVC for the entire command area has been apportioned by DVC to Jharkhand part and West Bengal part of the 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 of FY 2022-23.
- 2.7.3 DVC submits that CERC has not yet issued tariff orders for the period 2019-24 except T&D network and MTPS U#4 at the time of filing the instant petition. Therefore, in the instant petition, DVC has considered the Annual Fixed Charge (AFC) in respect of the T&D network and MTPS U#4 as approved by CERC for FY 2023-24 and for FY 2024-25 and FY 2025-26, DVC has projected the AFC considering the past trend. For the remaining own generating stations whose tariff for the period 2019-24 is yet to be issued by CERC, the AFC of FY 2023-24 as was submitted before CERC in the Tariff Petition for the 2019-24 period has been considered by DVC and for the remaining period i.e. for FY 2024 – 25 and FY 2025 – 26, the projected AFC has been considered based on the past trend.
- 2.7.4 DVC has considered the merging ratio of Imported Coal as 6% as per the directions issued by Ministry of Power, Govt of India time to time while projecting the energy charge rate for FYs 2023-24, 2024-25 and 2025-26. The landing price of the imported coal has been considered as the average cost of FY 2022-23 (till Dec'2022). Similarly, the GCV of the imported coal has been considered as the average GCV of FY 2022-23. However, for the domestic coal portion, the actual average landed price of the FY 2022-23 has been escalated annually by around 3.35% for FY 2023-24, FY 2024-25 and FY 2025-26 considering the average biennial escalation rate of the last 5 years as approved by CERC. In this regard, relevant notices issued by MoP, GOI and CERC and a summary of the calculation of the energy charge rate of the different generating stations of DVC are annexed with their instant petition.
- 2.7.5 Power Purchase Quantum and Cost have been projected for FYs 2023-24, 2024-25 and





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2025-26 considering actual data up to November 2022 and past trend, seasonal variation from hydel generation. Apart from conventional power sources viz Thermal Allocation from NTPS (TSTPS), MPL and Hydel Allocation from NHPC (Teesta, Rangit) and PTC (Chukha, Kurichu, Tala), DVC also has 40 MW solar allocation from NTPC and NVVNL under Jawaharlal Nehru National Solar Mission Program. DVC has also executed long-term Power Purchase agreements with SECI and NTPC REL for purchase of solar power of 200 MW and 100 MW respectively. Considering the future load growth, DVC has also given consent to PTC for the purchase of 300 MW round-the-clock thermal power expected to be started in the FY 2024-25. DVC will enter into a power purchase agreement with PTC after the identification of the successful bidder and such agreement will be submitted before this Commission for necessary approval in accordance with the WBERC Tariff Regulation, 2011. The basis of projection of cost of power purchase from NTPC, NHPC, MPL and PTC for the period FY 2023-24 to FY 2025-26 has been stated by DVC in the petition. DVC has also considered projected generation from solar power plants on its own free lands of different field formations through 100% ownership and through a joint venture with NTPC REL at Rs 3.00 per kWh. DVC craves leave to revise the rate of solar generation once it is determined by the appropriate commission or it is determined through bidding process.

2.7.6 The charges to Power Grid Corporation of India Limited (PGCIL) and its subsidiaries, and other incidental charges paid by DVC for conveyance of electricity from the place of generation of NTPC, NHPC etc. through inter-state transmission for delivery in the DVC Area, services of ULDC scheme installed by PGCIL to facilitate load dispatch activities by RLDCs have been considered by DVC as an input cost for the purpose of deciding the retail supply tariff for sale and supply of electricity by DVC to consumers / licensees in the Damodar Valley area. Projection of Transmission and other incidental charges payable to PGCIL and other Transmission utilities, has been done in proportion of the projected allocation of conventional power from the CSGS and other sources considering the actual cost incurred till November 2022 and past trend.

2.7.7 AMC charges for the communication scheme set up under the ULDC scheme in Eastern





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region paid by DVC separately to PGCIL and other vendors in line with the CERC order dated 14.12.2017 are prayed by DVC before this Commission to allow in the ARR of Distribution Activity. For estimation of AMC charges for FY 2023-24 onwards, average of the actual amount paid for the last seven years (2015-16 to 2021-22) has been considered in the instant petition.

- 2.7.8 DVC has started to purchase Solar and Non-Solar energy from the Green Day Ahead Market (GDAM) from May'22 to meet the RPO targets as set out by the respective state Commissions. Price of solar and non-solar energy from GDAM market has been projected for FY 2023-24 to FY 2025-26 based on the actual average price of purchase during the FY 2022-23 through GDAM. DVC is also purchasing Renewable Energy Certificates (REC) from the energy exchange platform to meet the Renewable Purchase Obligation (RPO) compliance in accordance with the RPO & its compliance regulations as notified by the respective State Commissions.
- 2.7.9 DVC has entered into an agreement with M/s Jyotikiran Energy Mumbai Pvt. Ltd. for commissioning of solar PV plants at DVC's own premises. DVC has projected the solar generation from such sources for the period FY 2023-24 to FY 2024-25 based on actual generation during FY 2022-23 (till Dec'2022).
- 2.7.10 DVC submits that Renewable Purchase Obligations (RPO) of DVC in the State of West Bengal has been considered for the control period as mandated in the "Cogeneration and Generation of Electricity from Renewable Sources of Energy" Regulations, 2020 of this Hon'ble Commission as amended.
- 2.7.11 The other incidental expenses related to distribution activity i.e. Licensees/ Tariff Filing Fees paid to CERC/ WBERC, Publication Expenses, Legal Charges, Environment and Other cess paid to different state authorities, Interest on Security Deposit etc. have been projected for FYs 2023-24 to 2025-26 based on the trend of the cost incurred against such heads in the past.
- 2.7.12 DVC submits that Interest on working Capital has been calculated in accordance with the Regulation 5.6.5 of WBERC Tariff Regulation, 2011.





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- 2.7.13 DVC has claimed in the instant petition, the cost of interest on temporary financial accommodation for the ensuing years on projection basis in accordance with the Regulation 5.6.5.4 of (Terms and Conditions of Tariff) Regulations, 2011.
- 2.7.14 DVC in the instant petition has considered the Delayed Payment Surcharge (DPS) on account of firm consumers only as the Non-Tariff Income. As per the past trend 1% of the total ARR has been considered as the DPS amount on a projection basis and the same has been subtracted from the ARR of the respective years as Non-Tariff Income.
- 2.7.15 Elements of own generation tariff & charges towards own T & D activities along with other elements of fixed charges and energy charge portion of ARR have been apportioned between the two states in the ratio of their respective energy consumption in MU during each year as per the prevailing practice.
- 2.7.16 DVC has considered total outstanding Revenue Gap at around Rs 3077.44 Cr including the Revenue Gap claimed in the APR petitions for the period FY 2014-15 to 2019-20 in absence of any APR order at the time of filing the instant petition. Therefore, DVC hereby proposes to recover around Rs 513 Cr (Rs 3077.44 Crore / 6) of the total outstanding Revenue Gap in ARR of each financial years of the 7<sup>th</sup> and 8<sup>th</sup> control period. Accordingly, the ARR of each financial year of 8<sup>th</sup> Control period consists of around Rs 513 Cr as part of Recovery of revenue gap and the tariff of the respective years has been designed considering the said aspect. It is also submitted that, above said revenue gap is computed without factoring the component of carrying cost. In this regard, DVC craves leave to revise the above-mentioned computation after the issuance of APR order by this Commission.
- 2.8 It is submitted that the composite T&D loss level is proposed to be adjusted for the entire Transmission and Distribution Network of DVC in the Damodar Valley Command area located partly in the state of Jharkhand and partly in the state of West Bengal in an equitable manner by the Commission. DVC prayed 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





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2.8.6.1 of the WBERC "Terms and Conditions of Tariff" Regulations 2011 and the subsequent amendments thereof.

2.9 DVC submits that it has computed the annual fixed charges for investment of Rs. 1007 Crore for the creation of 11 KV infrastructure for the state of West Bengal and considered the financial impacts of such investment proposal in the ARR of distribution activity.

2.10 DVC has been supplying pooled power to the licensees located in the state of West Bengal viz. WBSEDCL and India Power Co. Ltd. (IPCL), erstwhile DPSCO, in retail/consumer mode (i.e. through point-to-point wire connection) in its capacity as a distribution licensee since inception which qualifies under Section 62(1)(d) of the Electricity Act 2003 after being enacted. DVC was aggrieved the order of this Commission dated 01.03.2019 in Case Nos. OA-272/18-19 and OA-273/18-19 related to adjudication on the applicability of retail tariff of DVC to the licensees and has preferred Appeals before the Appellate Tribunal for Electricity (being the Appeal Nos. 190 of 2019 and 216 of 2019) which are pending for adjudication before APTEL.

2.11 It is submitted that pending any final settlement with either WBSEDCL or IPCL, DVC has been preferring power supply bills to the licensees as per the tariff schedule as approved by this Commission in its order dated 03.03.2017. In accordance with the Tariff Order dated 05.05.2022 and 17.06.2022, DVC did not raise bills to the Licensees as the tariff approved vide the said orders were not applicable to Licensees and the licensees are making short payments as usual. In view of the above, DVC in the petition request for determination of the retail tariff to be applicable for sale of electricity to the licensees WBSEDCL and IPCL in consumer / radial mode during the 8<sup>th</sup> control period. It is submitted that since both IPCL and WBSEDCL are not making the full payment against billed amount and as a consequence DVC is unable to recover actual demand charge or fixed charge proportionate with the capacity allocated to the licensees WBSEDCL and IPCL at each supply point.

2.12 **Salient features of the Tariff principles proposed by DVC**





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- 2.12.1 It is submitted that the TOD tariff structure is kept same as that existing in terms of Regulation 3.13 of WBERC (Terms and Conditions of Tariff) Regulations, 2011. It is further submitted that in order to flatten the load pattern, economic use of resources, good performance and optimal investment throughout the day, reduced rate of energy charge has been proposed for the consumers during off peak and enhanced rate of energy charge has been proposed for peak period compared to that during normal period in line with the methodology adopted by this Commission in previous order dated 17.06.2022.
- 2.12.2 DVC has proposed a hike of around 17% in the existing demand charge rate and proposed Rs 450/KVA/Month as demand charge rate for all categories of consumers for the 8<sup>th</sup> Control period. In the Tariff Order of 5<sup>th</sup> and 6<sup>th</sup> control period there was no hike in the Demand charge rate and it was kept at Rs 384/KVA/Month.
- 2.12.3 Power Factor (PF) rebate in terms of Regulation 3.8 of WBERC (Terms and Conditions of Tariff) Regulations, 2011 is proposed by DVC based on actual consumption profile of FY 2022-23 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 11 KV level. However, rates of proposed rebate and surcharge are different for TOD and NON-TOD category in line with the tariff order dated 17.06.2022 already issued for the period FY 2019-20.
- 2.12.4 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 actual consumption profile of the consumers during FY 2022-23 but the rate of such rebate is proposed differently at different voltage levels in line with the tariff order dated 17.06.2022 already issued for the period 2019-20. Load Factor rebate and surcharge are proposed to be levied on Industrial Consumers and the licensees receiving power from DVC in consumer mode (excluding the traction load).
- 2.12.5 It is submitted that the Jharkhand State Electricity Regulatory Commission (JSERC) in the tariff order of DVC dated 30.09.2020 has provided the following clause while allowing





the rebate:

*"The above rebate will be available only on monthly basis and consumer with arrears shall not be eligible for the above rebate. However, the applicable rebate shall be allowed to consumers with outstanding dues, wherein such dues have been stayed by the appropriate Courts."*

The above-mentioned clause has helped DVC to maximize the cash collection within the due date in the state of Jharkhand, therefore, similar kind of clause as mentioned above is prayed by DVC while allowing the structure of Power Factor Rebate, Load-Factor Rebate etc.

- 2.12.6 Rebate for consumption of electricity at higher voltage levels has been embedded in the consumer category wise energy charge rates while designing the tariff proposed by DVC.
- 2.12.7 Rebate for payment within due date has been proposed by DVC 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. DVC has prayed before this Commission to clarify in the Tariff Order to be issued, that, the Prompt Payment Rebate will be applicable in only such cases where the full bill amount (including taxes, levies etc) is liquidated within due date and no partial rebate will be applicable on the part payment of bills within due date.
- 2.12.8 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 by DVC in the computation of ARR.
- 2.12.9 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.
- 2.12.10 Schedule of rebates and surcharges proposed for different category of consumers is submitted.
- 2.12.11 DVC in the present petition has considered load demand of consumers under the





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applicable categories at 11 KV level including LV consumers on projection basis in line with the petition submitted for creation of LT network and this Commission may be pleased to determine the tariff applicable to different category of consumers including LV consumers, as was done in the previous orders, located within the Damodar Valley Area falling in the State of West Bengal.

2.12.12 DVC submits that the Load Factor computed based on the regulation 3.9.4 (iv) of the WBERC (Terms and Conditions of Tariff) Regulations, 2011 for the period of recording the Maximum Demand (MD) may be higher even though the average Load Factor for the entire month may be lower for any consumer which 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, as per DVC. This Commission is therefore requested to consider the average PF for the entire month for computation of Load Factor and may suitably address the issue in the Tariff Order.

2.12.13 DVC has requested this Commission to introduce a provision for penalty as an initial action while issuing the Tariff Order in case of non-payment of Security Deposit instead of disconnection as per regulation 4.2.1 of the West Bengal Electricity Regulatory Commission (Miscellaneous Provisions) Regulations, 2013 which may be exercised as a last resort since the process of disconnection involves various legal hurdles and disruption in distribution.

**2.13 Prayer to the Commission**

DVC has prayed the following before this Commission:

- a) Determine the Aggregate Revenue Requirement and Distribution & Retail Tariff for the 8<sup>th</sup> Control Period i.e. FYs 2023-24 to 2025-26 based on the submissions;





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- b) Determine the tariff schedule for applicable category of consumers/licensees based on the submissions made in the present petition or as may be deemed fit and proper;
- c) Admit and pass the regulatory assets created/to be created from FY 2009-10 to FY 2019-20 as proposed by DVC or as may be deemed fit and proper;
- d) Settle other commercial terms and conditions as proposed in the instant petition;
- e) Pass such other order(s) as this Commission may deem fit and proper keeping in view the facts and circumstances of the case.





## CHAPTER – 3

### SUGGESTIONS AND OBJECTIONS

- 3.1 Suggestions, objections and comments on the tariff petition of DVC for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 have been received within the stipulated period of time from only the SAIL 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 Average Billing Rate (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 the Commission:*

*This Commission has noted the contention of SAIL. DVC computes the ECR on variation on fuel cost, if any, for their own generating stations as per formula given in CERC Regulations. DVC can compute MVCA as per the methodology and formula specified in WBERC Tariff Regulations, 2011 to adjust the variation in power purchase cost, if any, after issuing this order. A direction is given in this regard in Chapter 6.*





- 3.2.2 In the DVC Tariff Petition of 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 by WBERC in the Tariff Order for 2016-17. 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 the 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 7<sup>th</sup> 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.

*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





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plants/special steel plants as in the state of West Bengal.

*View of the 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 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 appeals 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 the 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 2023 – 2024, 2024 – 2025 and 2025 – 2026 as submitted by DVC have been analyzed.
- 4.2 DVC has got different power stations consisting of both the thermal and hydel power stations. A 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 the FY 2023 – 2024, 2024 – 2025 and 2025 – 2026, 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 8th Control Period i.e. FY 2023 – 2024 to 2025 – 2026 under different supply category is 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





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of FY 2022-23 (till December, 2022). Considering the past period growth of the firm sales and the status of the application of new connections etc., DVC has projected the firm sale for the FY 2023-24, FY 2024-25 and FY 2025-26 at a CAGR of around 4.4%. 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 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 categories and sub-category have been projected based on the actual load pattern of FY 2022-23.

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

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

Particulars	Projected			Admitted		
	23-24	24-25	25-26	23-24	24-25	25-26
Sale to consumers in WB other than Licensee	10594.06	11311.83	11912.30	10594.06	11311.83	11912.30
Sale to Licensee - IPCL in radial mode	105.11	109.70	114.53	105.11	109.70	114.53
Sale to Licensee - WBSEDCL in radial mode	551.05	575.14	600.45	551.05	575.14	600.45
<b>Total Annual Sale in WB area</b>	<b>11250.22</b>	<b>11996.67</b>	<b>12627.28</b>	<b>11250.22</b>	<b>11996.67</b>	<b>12627.28</b>
Total annual sale of DVC in their command area in the State of West Bengal and Jharkhand	20457.33	21684.71	22758.92	20457.33	21684.71	22758.92
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	54.99	55.32	55.48	54.994	55.323	55.483

- 4.3.3 In this context it may be pointed out that this Commission does not make any approval of





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sale in command area in Jharkhand. This Commission only considers the total sale of DVC for the purpose of apportionment of cost under different heads.

4.3.4 Besides, DVC has projected considerable quantum of energy to the tune of 95.00 MU, 100.00 MU and 105.00 MU for own consumption for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 respectively in their entire command area covering both the States of West Bengal and Jharkhand. In this connection, this Commission likes to make it clear to only allow any such energy intimately connected for use in its sub-stations etc., linked particularly with the power distribution system of DVC in West Bengal area. However, this Commission presently considers proportionate quantum of such projection subject to truing up in the APR. DVC has projected 827 MU, 837 MU and 846 MU as energy wheeled for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 respectively in their entire command area. The projected energy receipt for wheeling in entire command area of DVC for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 are 885 MU, 895 MU and 905 MU respectively as submitted by DVC in the petition. This Commission presently considers such figures also for 2023 – 2024, 2024 – 2025 and 2025 – 2026 subject to truing up in the APR in respective years.

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

**Table – 4.3.5: Total energy utilization in West Bengal as admitted by the Commission**  
(MU)

Sl. No.	Particulars	Projected			Admitted		
		23-24	24-25	25-26	23-24	24-25	25-26
1	Energy sale in West Bengal area	11250.22	11996.67	12627.28	11250.22	11996.67	12627.28
2	Energy sale within DVC Area in Jharkhand and West Bengal	20457.33	21684.71	22758.92	20457.33	21684.71	22758.92
3	Energy Wheeled	827.00	837.00	846.00	827.00	837.00	846.00
4	Units utilized in own premises including Construction Power	95.00	100.00	105.00	95.00	100.00	105.00
5	Overall Utilization (2+3+4)	21379.33	22621.71	23709.92	21379.33	22621.71	23709.92
6	Proportionate utilization in West Bengal (5 x 7)	11757.26	12515.05	13154.92	11757.35	12515.01	13154.97
7	Share of sale in West Bengal	54.99	55.32	55.48	54.994	55.323	55.483

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Sl. No.	Particulars	Projected			Admitted		
		23-24	24-25	25-26	23-24	24-25	25-26
	against the total consumer sale of DVC in their command area (%) [from previous Table]						

#### 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 thermal, hydel and solar generating stations as well as through purchase of power from central sector generating stations (CSGS) viz., NHPC, NTPC, 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 quantum of ex-bus energy in MU, as projected by the petitioner during the control period, is summarized below:

**Table – 4.4.2.1: Projected Ex-bus own Generation and sale in DVC command area**  
(MU)

Sl. No.	Name of the generating station	Ex Bus own generation			Ex- bus own generation for sale in DVC command area		
		23-24	24-25	25-26	23-24	24-25	25-26
1	MTPS U#1 to 3	3244.54	3235.67	3235.67	3244.54	3235.67	3235.67
2	MTPS U# 4	1247.89	1261.08	1261.08	1247.89	1261.08	1261.08
3	HYDEL	469.11	475.00	480.00	469.11	475.00	480.00
4	MTPS U# 5 & 6	2971.24	3002.58	3002.58	2070.47	2101.8	2101.8
5	MTPS U# 7 & 8	6209.19	6274.79	6274.79	1363.43	1388.94	1362.66
6	CTPS U# 7 & 8	2971.27	3002.58	3002.58	137.31	149.83	123.55
7	DSTPS U # 1 & 2	6208.79	6274.79	6274.79	4346.15	4392.35	4392.35





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Sl. No.	Name of the generating station	Ex Bus own generation			Ex- bus own generation for sale in DVC command area		
		23-24	24-25	25-26	23-24	24-25	25-26
8	KTPS U# 1 & 2	6209.21	6274.79	6274.79	310.46	313.74	313.74
9	BTPS 'A'	3104.78	3137.39	3137.39	1862.87	1882.44	1882.44
10	RTPS U# 1&2	6949.33	7121.06	7121.06	3382.01	3465.58	3465.58
11	Solar	16.39	72.79	703.99	16.39	72.79	703.99
12	Total	39601.74	40132.52	40768.72	18450.63	18739.22	19322.86

4.4.2.2 The petitioner has submitted that 100% share of ex-bus generation, from its old generating stations installed both in the States of West Bengal and Jharkhand operating since long comprising of both thermal and small hydel power stations (Sl. No 1 to 3 of tables below), for consumers in its entire command area for all the three years. The petitioner 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.

4.4.2.3 This Commission has noted that the increase in projected sale for entire DVC command area for the years 2023 – 24, 2024 – 2025 and 2025 – 2026 are 502.45 MU, 1729.83 MU and 2804.04 MU with respect to the sale admitted for 2022 – 23 in the respective tariff order. Against this increased sale, the projected own generation for entire DVC command area are increased by 133.16 MU, 421.75 MU and 1005.39 MU for the years 2023 – 24, 2024 – 2025 and 2025 – 2026 respectively with respect to admitted own generation for DVC command area of 2022 – 23. The requirement of energy for additional sale as projected above is primarily to be met from own generation. On examination of the station wise generation, it is noticed that for some stations, share of ex bus own generation in DVC command area is reduced comparing to that of 2022 – 23. The annual Plant Load Factor (PLF) of own thermal generating stations are projected between 65% to 76% whereas annual Plant Availability Factor (PAF) is projected at 85%. The additional requirement for sale in DVC area for the years 2024 – 25 and 2025 – 26 are projected to be met mainly by purchase of thermal power through PTC which is costlier than own generation and no petition for approval of power



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purchase agreement (PPA) is submitted before this Commission. Therefore, this Commission finds it prudent not to consider any purchase of thermal power through PTC at this stage.

4.4.2.4 This Commission has determined the ex-bus generation from thermal generating stations of DVC considering Auxiliary Power Consumption (APC) as allowed by CERC in respective tariff orders, installed capacity as submitted by DVC and 80% PLF. The design energy for hydel stations as considered by CERC in respective tariff orders and estimated ex-bus generation from thermal generating stations are tabulated as follows:

**Table – 4.4.2.4: Ex-bus generation from thermal and hydel generating stations**

Sl. No.	Generating Station	IC(MW)	APC (%)	PLF (%)	NAPAF (%)	Ex Bus generation (MU)		
						23 – 24	24 – 25	25 – 26
1	MTPS U#1 to 3	630	9.80%	80%	85%	3993.28	3982.37	3982.37
2	MTPS U# 4	210	9.80%	80%	85%	1331.09	1327.46	1327.46
3	HYDEL	147.2		80%	80%	383.97	383.97	383.97
4	MTPS U# 5 & 6	500	9.80%	80%	85%	3169.27	3160.61	3160.61
5	MTPS U# 7 & 8	1000	5.75%	80%	85%	6623.14	6605.04	6605.04
6	CTPS U# 7 & 8	500	9.80%	80%	85%	3169.27	3160.61	3160.61
7	DSTPS U # 1 & 2	1000	5.75%	80%	85%	6623.14	6605.04	6605.04
8	KTPS U# 1 & 2	1000	5.75%	80%	85%	6623.14	6605.04	6605.04
9	BTPS 'A'	500	5.75%	80%	85%	3311.57	3302.52	3302.52
10	RTPS U # 1&2	1200	5.75%	80%	85%	7947.76	7926.05	7926.05
Note: 366 days for 2023 – 24 and 365 days for 2024 – 25 and 2025 – 26								

4.4.2.5 This Commission has considered ex-bus generation from thermal generating stations of DVC as determined above instead of projected by DVC. However, for own hydel generating stations, projected ex bus generation, being higher than the design energy, is





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considered.

This Commission has considered 100% share of ex-bus generation from older own generating stations (MTPS U#1 to 3, MTPS U# 4 and Hydel) and own solar generation, for consumers of DVC in Jharkhand and West Bengal for all the years of the control period.

The share of ex-bus generation (MU) from other newer generating stations for all the years of the control period is admitted as projected by DVC except the following three cases:

For the year 2023 – 24, the share of ex-bus generation (MU) from MTPS U#7&8, the costliest of the newer generating stations, is decreased accordingly;

For the years 2024 – 25 and 2025 – 26, the share of ex-bus generation (MU) from CTPS U#7&8, the cheapest of the newer generating stations, is increased suitably to replace the thermal power from PTC in 2024 – 25 and 2025 – 26 for the reasons already stated in para 4.4.2.3.

- 4.4.2.6 The admitted station wise ex-bus generation from own generating stations (MU), share for DVC command area (MU) and the ex-bus generation from own generating stations actually available for sale to consumers of DVC in West Bengal command area (MU) for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 are shown in the following tables:

**Table – 4.4.2.6(a): Share of net generation from own generating stations for supply in command area in West Bengal for 2023 – 24**

Sl. No.	Name of the generating station	Ex- bus Energy	Ex- bus Energy for sale to consumers of DVC	Percentage share of generation for own consumers	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]=[4]/[3]	[6]	[7] = [4]x[6]/100
1	MTPS U#1 to 3	3993.28	3993.28	100.00%	54.994	2196.06





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Sl. No.	Name of the generating station	Ex- bus Energy	Ex- bus Energy for sale to consumers of DVC	Percentage share of generation for own consumers	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal
		(MU)	(MU)	(%)	(%)	(MU)
2	MTPS U# 4	1331.09	1331.09	100.00%	54.994	732.02
3	HYDEL	469.11	469.11	100.00%	54.994	257.98
4	MTPS U# 5 & 6	3169.27	2070.47	65.33%	54.994	1138.63
5	MTPS U# 7 & 8	6623.14	529.30	7.99%	54.994	291.08
6	CTPS U# 7 & 8	3169.27	137.31	4.33%	54.994	75.51
7	DSTPS U # 1 & 2	6623.14	4346.15	65.62%	54.994	2390.12
8	KTPS U# 1 & 2	6623.14	310.46	4.69%	54.994	170.73
9	BTPS 'A'	3311.57	1862.87	56.25%	54.994	1024.47
10	RTPS U # 1&2	7947.76	3382.01	42.55%	54.994	1859.90
11	Solar	16.39	16.39	100.00%	54.994	9.01
12	<b>TOTAL</b>	<b>43277.16</b>	<b>18448.44</b>	<b>42.63%</b>		<b>10145.51</b>

Table - 4.4.2.6(b): Share of net generation from own generating stations for supply in command area in West Bengal for 2024 – 25

Sl. No.	Name of the generating station	Ex- bus Energy	Ex- bus Energy for sale to consumers of DVC	Percentage share of generation for own consumers	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]=[4]/[3]	[6]	[7] = [4]x[6]/100
1	MTPS U#1 to 3	3982.37	3982.37	100.00%	55.323	2203.17
2	MTPS U# 4	1327.46	1327.46	100.00%	55.323	734.39
3	HYDEL	475.00	475.00	100.00%	55.323	262.78
4	MTPS U# 5 & 6	3160.61	2101.80	66.50%	55.323	1162.78
5	MTPS U# 7 & 8	6605.04	1388.94	21.03%	55.323	768.40
6	CTPS U# 7 & 8	3160.61	254.90	8.06%	55.323	141.02
7	DSTPS U # 1 & 2	6605.04	4392.35	66.50%	55.323	2429.98
8	KTPS U# 1 & 2	6605.04	313.74	4.75%	55.323	173.57
9	BTPS 'A'	3302.52	1882.44	57.00%	55.323	1041.42
10	RTPS U # 1&2	7926.05	3465.58	43.72%	55.323	1917.26





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Sl. No.	Name of the generating station	Ex- bus Energy	Ex- bus Energy for sale to consumers of DVC	Percentage share of generation for own consumers	Share for sale to consumers in West Bengal	Share of Energy for sale to consumers in West Bengal
		(MU)	(MU)	(%)	(%)	(MU)
11	Solar	72.79	72.79	100.00%	55.323	40.27
12	<b>TOTAL</b>	<b>43222.53</b>	<b>19657.37</b>	<b>45.48%</b>		<b>10875.04</b>

**Table - 4.4.2.6(c): Share of net generation from own generating stations for supply in command area in West Bengal for 2025 – 26**

Sl. No.	Name of the generating station	Ex- bus Energy	Ex- bus Energy for sale to consumers of DVC	Percentage share of generation for own consumers	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]=[4]/[3]	[6]	[7] = [4]x[6]/100
1	MTPS U#1 to 3	3982.37	3982.37	100.00%	55.483	2209.54
2	MTPS U# 4	1327.46	1327.46	100.00%	55.483	736.51
3	HYDEL	480.00	480.00	100.00%	55.483	266.32
4	MTPS U# 5 & 6	3160.61	2101.80	66.50%	55.483	1166.14
5	MTPS U# 7 & 8	6605.04	1362.66	20.63%	55.483	756.04
6	CTPS U# 7 & 8	3160.61	689.42	21.81%	55.483	382.51
7	DSTPS U # 1 & 2	6605.04	4392.35	66.50%	55.483	2437.01
8	KTPS U# 1 & 2	6605.04	313.74	4.75%	55.483	174.07
9	BTPS 'A'	3302.52	1882.44	57.00%	55.483	1044.43
10	RTPS U # 1&2	7926.05	3465.58	43.72%	55.483	1922.81
11	Solar	703.99	703.99	100.00%	55.483	390.59
12	<b>TOTAL</b>	<b>43858.73</b>	<b>20701.81</b>	<b>47.20%</b>		<b>11485.97</b>

4.4.2.7 The ex-bus generation from own generating stations actually available for sale to consumers of DVC in West Bengal command area for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026, admitted by this Commission are subject to truing up for all the three years on the basis of audited annual accounts in the APR for the respective years.





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**4.4.3 Energy Balance**

4.4.3.1 The petitioner has projected T&D loss to the tune of 2.76 %, 2.74 % and 2.73% for 2023 – 2024, 2024 – 2025 and 2025 – 2026 respectively. The composite T&D loss level is proposed to be adjusted for the entire Transmission and Distribution Network of DVC in the Damodar Valley Command area located partly in the state of Jharkhand and partly in the state of West Bengal in an equitable manner by this Commission. 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 in terms of Regulation 2.8.6.1 of the WBERC “Terms and Conditions of Tariff” Regulations, 2011 and the subsequent amendments thereof. This Commission has notified the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) (Fourth Amendment) Regulations, 2023, on 13.03.2023 and the Commission considers to allow normative distribution loss at 2.75% as specified in the amended Regulations against the proportionate utilization of energy by the petitioner in their command area in West Bengal. Any loss or gain in actual shall be shared in APR for the respective years as per provision of the Regulations.

4.4.3.2 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 2023 – 2024, 2024 – 2025 and 2025 – 2026 as below:

**Table – 4.4.3.2: Energy Balance**

(MU)

Sl. No.	Particulars	Admitted		
		23 – 24	24 – 25	25 – 26
A	Sales within West Bengal	11250.22	11996.67	12627.28
B	Total Sales within DVC Area in Jharkhand and West Bengal	20457.33	21684.71	22758.92
C	Energy Wheeled	827.00	837.00	846.00
D	Units utilized in own premises including Construction Power	95.00	100.00	105.00
E	Overall Utilization (B+C+D)	21379.33	22621.71	23709.92
F	Proportionate utilization in West Bengal (E x R/100)	11757.35	12515.01	13154.97
G	T & D Loss (%) for West Bengal	2.75	2.75	2.75

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Sl. No.	Particulars	Admitted		
		23 – 24	24 – 25	25 – 26
H	T & D Loss (MU) $[F / (1 - G / 100) - F]$	332.47	353.89	371.99
I	Energy requirement of DVC for distribution business in West Bengal (F+H)	12089.82	12868.90	13526.96
J	Total Energy receipt for Wheeling	885.00	895.00	905.00
K	Proportionate Energy receipt for Wheeling for distribution business in West Bengal $(J \times R/100)$	486.7	495.14	502.12
L	Energy requirement of DVC for distribution business in West Bengal from generation and power purchase $(I - K)$	11603.12	12373.76	13024.84
M	Proportionate Generation available for sale within West Bengal	10145.51	10875.04	11485.97
N	Additional requirement beyond generation $(L - M)$	<b>1457.61</b>	<b>1498.72</b>	<b>1538.87</b>
O	Proportionate Purchase for sale in West Bengal	1457.61	1498.72	1538.87
P	Admissible energy drawal through DSM $(N - O)$	0.00	0.00	0.00
Q	Power Purchase disallowed $(O - N)$	0.00	0.00	0.00
R	Share of energy requirement in West Bengal against the total requirement of DVC (%)	54.994	55.323	55.483

#### 4.4.4 Power Purchase from CSGS, renewable and other energy sources

4.4.4.1 After meeting the energy requirement as earmarked above from its own generating stations of DVC for supply to consumers in the West Bengal command area, the balance admitted energy has been projected to be met through the power purchase from the CSGS and other sources including renewable energy during the control period. The energy projected for purchase by the petitioner from different sources including renewable source has been apportioned for the balance requirement of energy for sale to consumers in West Bengal in the ratio of sale of energy in West Bengal area to the total projected sale of DVC during the respective years. This Commission considers purchase for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 as projected on source wise gross power purchase, grid loss, and net power purchase (MU), however, to match with the requirement of energy, only thermal power from PTC in 2024 – 25 and 2025 – 26 is reduced for the reasons already stated in para 4.4.2.3.

4.4.4.2 The admission of purchase of energy from renewable sources of energy including solar





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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. The quantum of renewable purchase and price thereof are subject to truing up in APR for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026.

4.4.4.3 The projection and admission of purchase of energy for sale to consumers in West Bengal including Licensee in radial mode during 2023 – 24 are as follows:

**Table – 4.4.4.3: The purchase quantum of energy as admitted by this Commission for the year 2023 – 24**

(MU)

Agency	Projected			Admitted		
	Purchased Energy	CTU Grid Loss	Net Purchase	Purchased Energy	CTU Grid Loss	Net Purchase
<b>NHPC</b>						
Rangit	32.17	1.09	31.08	32.17	1.09	31.08
Teesta	234.13	7.91	226.22	234.13	7.91	226.22
<b>NTPC</b>						
Talcher	13.84	0.47	13.37	13.84	0.47	13.37
Solar Power (NTPC REL)				0.00	0.00	0.00
Solar Power (VVNL)	29.64	0.90	28.74	29.64	0.90	28.74
Solar Power (Talcher, Uchhar)	28.49		28.49	28.49	0.00	28.49
<b>PTC power from Bhutan</b>						
Chukha	193.55	6.54	187.02	193.55	6.53	187.02
Kurichu	28.36	0.96	27.40	28.36	0.96	27.40
Tala	154.14	5.21	148.94	154.14	5.20	148.94
<b>MPL</b>	1047.09	35.36	1011.73	1047.09	35.36	1011.73
<b>PTC Thermal</b>						
<b>Power Exchange (IEX, PXIL)</b>	100.00	0.34	99.66	100.00	0.34	99.66
Non Solar (GTAM/GDAM)	300.00		300.00	300.00	0.00	300.00
Solar (GTAM/GDAM)	250.00		250.00	250.00	0.00	250.00
Solar (SECI)	294.36		294.36	294.36	0.00	294.36
Rooftop Solar	3.48		3.48	3.48	0.00	3.48
Sub Total	<b>2709.25</b>	<b>58.78</b>	<b>2650.49</b>	<b>2709.25</b>	<b>58.76</b>	<b>2650.49</b>
Percentage of share for sale in West Bengal (%)			54.99			54.994
Share for sale in West Bengal			1457.60			1457.61

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4.4.4.4 The projection and admission of purchase of energy for sale to consumers in West Bengal including Licensee in radial mode during 2024 – 25 is as follows:

**Table – 4.4.4.4: The purchase quantum of energy as admitted by the Commission for the year 2024 – 25**

Agency	Projected			Admitted		
	Purchased Energy	CTU Grid Loss	Net Purchase	Purchased Energy	CTU Grid Loss	Net Purchase
<b>NHPC</b>						
Rangit	32.06	1.08	30.98	32.06	1.08	30.98
Teesta	234.85	7.93	226.92	234.85	7.93	226.92
<b>NTPC</b>						
Talcher	13.84	0.47	13.37	13.84	0.47	13.37
Solar Power (NTPC REL)	87.60		87.60	87.60	0.00	87.60
Solar Power (VVNL)	29.44	0.89	28.55	29.44	0.89	28.55
Solar Power (Talcher, Uchhar)	28.59		28.59	28.59	0.00	28.59
<b>PTC power from Bhutan</b>						
Chukha	197.29	6.66	190.63	197.29	6.66	190.63
Kurichu	26.33	0.89	25.44	26.33	0.89	25.44
Tala	155.28	5.24	150.04	155.28	5.24	150.04
<b>MPL</b>	1047.09	35.36	1011.73	1047.09	35.36	1011.73
<b>PTC Thermal</b>	948.18	32.02	916.16	0.00	0.00	0.00
<b>Power Exchange (IEX, PXIL)</b>	50.00	0.17	49.83	50.00	0.17	49.83
Non Solar (GTAM/GDAM)	300.00		300.00	300.00	0.00	300.00
Solar (GTAM/GDAM)	250.00		250.00	250.00	0.00	250.00
Solar (SECI)	311.85		311.85	311.85	0.00	311.85
Rooftop Solar	3.51		3.51	3.51	0.00	3.51
Sub Total	<b>3715.91</b>	<b>90.71</b>	<b>3625.20</b>	<b>2767.73</b>	<b>58.69</b>	<b>2709.04</b>
Percentage of share for sale in West Bengal (%)			55.32			55.323
Share for sale in West Bengal			2005.58			1498.72

4.4.4.5 The projection and admission of purchase of energy for sale to consumers in West Bengal including Licensee in radial mode during 2025 – 26 is as follows:





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**Table - 4.4.4.5: The purchase quantum of energy as admitted by this Commission for the year 2025 – 26**

Agency	Projected			Admitted		
	Purchased Energy	CTU Grid Loss	Net Purchase	Purchased Energy	CTU Grid Loss	Net Purchase
<b>NHPC</b>						
Rangit	31.96	1.08	30.88	31.96	1.08	30.88
Teesta	235.56	7.95	227.61	235.56	7.95	227.61
<b>NTPC</b>						
Talcher	13.84	0.47	13.37	13.84	0.47	13.37
Solar Power (NTPC REL)	131.40		131.40	131.40	0.00	131.40
Solar Power (VVNL)	29.24	0.89	28.35	29.24	0.89	28.35
Solar Power (Talcher, Uchhar)	28.69		28.69	28.69	0.00	28.69
<b>PTC power from Bhutan</b>						
Chukha	201.03	6.79	194.24	201.03	6.79	194.24
Kurichu	24.29	0.82	23.47	24.29	0.82	23.47
Tala	156.42	5.28	151.14	156.42	5.28	151.14
<b>MPL</b>	1047.09	35.36	1011.73	1047.09	35.36	1011.73
<b>PTC Thermal</b>	1422.27	48.03	1374.24	0.00	0.00	0.00
<b>Power Exchange (IEX, PXIL)</b>	50.00	0.17	49.83	50.00	0.17	49.83
Non Solar (GTAM/GDAM)	300.00		300.00	300.00	0.00	300.00
Solar (GTAM/GDAM)	250.00		250.00	250.00	0.00	250.00
Solar (SECI)	329.33		329.33	329.33	0.00	329.33
Rooftop Solar	3.55		3.55	3.55	0.00	3.55
Sub Total	<b>4254.67</b>	<b>106.84</b>	<b>4147.83</b>	<b>2832.40</b>	<b>58.81</b>	<b>2773.59</b>
Percentage of share for sale in West Bengal (%)			55.48			55.483
Share for sale in West Bengal			2301.33			1538.87

The purchase for West Bengal command area in DVC for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026, admitted by this Commission are subject to truing up for all the three years on the basis of audited annual accounts in the APR for the respective years.

#### 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





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distribution of power extending in multi states, the inter-state transmission and distribution being an integrated activity, DVC will again be regulated by the Central Electricity Regulatory Commission and tariff for composite T & D is to be determined by CERC in terms of Section 79(1)(c) and (d) of the Electricity Act, 2003. In regard to retail sale and supply of electricity, however, DVC will be governed by the provisions of Section 62 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, will be an input cost based on which the retail tariff is to be considered.

- 4.5.2 In absence of Tariff orders issued by CERC for FY 2019 – 24 for own generating stations of DVC except MTPS U#4 for FY 2023 – 24 and T&D network at the time of filing the instant petition, DVC has considered the Annual Fixed Charge (AFC) in respect of the T&D network and MTPS U#4 as approved by CERC for FY 2023-24 and for FY 2024-25 and FY 2025-26, the AFC is projected by DVC considering the past trend. For the remaining own generating stations whose tariff for the period 2019-24 was yet to be issued by CERC, the AFC of FY 2023-24 as was submitted by DVC before CERC in the Tariff Petition for the 2019-24 period has been considered by DVC and for the remaining period i.e. for FY 2024-25 and FY 2025-26 the AFC has been projected by DVC based on the past trend. This Commission has noted that all tariff orders of DVC for the period 2019 – 2024 are issued by CERC but at the same time it is observed that AFC approved by CERC for DVC are not always incremental as tabulated below:

**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	23 – 24
MTPS U#1 to 3	38128.53	41606.09	43945.45	45095.37
MTPS U# 4	13429.21	13654.90	14166.28	14668.40
MHS	4043.98	4029.27	4108.62	4278.36
PHS	3747.22	3934.51	3811.41	3970.52
THS	1094.60	1172.90	1219.84	1269.06
MTPS U# 5 & 6	43143.35	37817.27	37935.04	38764.15
MTPS U# 7 & 8	107003.31	104550.78	104464.29	102779.60

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Name of Cost Centre (generating Station/T&D)	20 – 21	21 – 22	22 – 23	23 – 24
CTPS U# 7 & 8	56645.10	56723.09	57965.41	54931.62
DSTPS U # 1 & 2	111425.99	108939.64	107046.92	105691.72
KTPS U# 1 & 2	117726.91	116304.01	115004.10	113403.80
BTPS 'A'	75448.62	74437.48	73503.78	72427.46
RTPS U # 1&2	143297.05	140496.75	137183.45	133948.32
T&D	47732.24	50921.00	49997.20	50665.45

Therefore, this Commission considers the AFC approved by CERC for the year 2023 – 24 for all the years of the control period 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 latest CERC Orders 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 Tariff orders
[1]	[2]	[3]	[4]
1	MTPS U#1 to 3	17.02.2023	Tariff 19-24
2	MTPS U# 4	30.11.2022, 27.01.2023	Tariff 19-24
3(a)	MHS	16.02.2023	Tariff 19-24
3(b)	PHS	28.02.2023	Tariff 19-24
3(c)	THS	16.03.2023	Tariff 19-24
4	MTPS U# 5 & 6	14.03.2023	Tariff 19-24
5	MTPS U# 7 & 8	27.04.2023	Tariff 19-24
6	CTPS U# 7 & 8	16.06.2023	Tariff 19-24
7	DSTPS U # 1 & 2	03.07.2023	Tariff 19-24
8	KTPS U# 1 & 2	20.07.2023	Tariff 19-24
9	BTPS 'A'	26.10.2023	Tariff 19-24
10	RTPS U # 1&2	29.04.2023	Tariff 19-24
11	T&D	02.03.22, 10.06.2022 (Corrigendum 23.07.2022)	Tariff 19-24

4.5.4 Annual Fixed Charges (AFC) as mentioned in the above mentioned CERC orders are considered by the Commission.





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- 4.5.5 DVC has projected Annual Plant Availability Factor (PAFY) for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 as follows:

**Table – 4.5.5: Annual Plant Availability Factor (PAFY)**

Sl. No.	Name of the generating Station	Annual Plant Availability Factor (PAFY) (%)		
		23 – 24	24 – 25	25 – 26
1	MTPS U#1 to 3	85.00	85.00	85.00
2	MTPS U# 4	85.00	85.00	85.00
3	HYDEL	80.00	80.00	80.00
4	MTPS U# 5 & 6	85.00	85.00	85.00
5	MTPS U# 7 & 8	85.00	85.00	85.00
6	CTPS U# 7 & 8	85.00	85.00	85.00
7	DSTPS U # 1 & 2	85.00	85.00	85.00
8	KTPS U# 1 & 2	85.00	85.00	85.00
9	BTPS 'A'	85.00	85.00	85.00
10	RTPS U # 1&2	85.00	85.00	85.00

The PAFY for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 has been admitted by this Commission as projected by DVC. 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 respective CERC Regulations and certified by concerned Load Despatch Centre.

- 4.5.6 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 Ministry of Environment, Forest and Climate Change (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.

- 4.5.7 This Commission in the instant order has considered the AFC as determined by CERC for





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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 Annual Plant Availability Factor (PAFY) of each generating station against normative Annual PAF (NAPAF) as per CERC Tariff Regulations 2019 – 24 and share for the firm consumers in DVC command area. The admitted fixed charge of own generation for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 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:

Table – 4.5.7: Fixed charges of own generating stations of DVC for sale to consumers including other licensees in entire DVC command area (Rs lakh)					
Projected			Admitted		
23 – 24	24 – 25	25 – 26	23 – 24	24 – 25	25 – 26
371026.71	369966.15	369164.46	280823.99	300247.35	307606.50

4.5.8 DVC has projected the energy charge rate (ECR) of different own thermal generating stations on yearly basis for the 8<sup>th</sup> Control Period considering an escalation factor of 3.35% for domestic coal over the average landed price of domestic coal for the FY 2022 – 23. The yearly escalation factor of domestic coal has been arrived at by DVC at 3.35% taking into consideration the average escalation factor during April 2017 to September 2022. DVC has considered the blending ratio of Import Coal as 6% as mandated by Ministry of Power, Govt of India vide letter issued on 09.01.2023. The landed price of the import coal has been considered by DVC as the average cost of FY 2022-23 (till Dec'2022) similarly the GCV of the imported coal has been considered by DVC as the average GCV of FY 2022-23.

4.5.9 This Commission has considered average yearly inflation of coal for 2023 – 24 at 1.27% as per biennial Notifications issued by CERC on Annual Escalation rate of coal as shown in the below table, considering blending ratio of Import Coal at 6% as mandated by Ministry of Power, Govt of India.





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**Table – 4.5.9: Average Coal Escalation Rate of 2023 – 24**

Period	Notification No.	Notification date	Domestic coal Annual Escalation Rates (%)	Imported coal Annual Escalation Rates (%)	Escalation with 6% imported coal (%)
01.10.23 – 31.03.24	Eco-2/2023-CERC	October 20, 2023	4.57	-63.54	0.48
01.04.23 – 30.09.23	Eco-1/2023-CERC	April 5, 2023	0	34.19	2.05
Average Annual Escalation Rate of coal					<b>1.27</b>

4.5.10 This Commission has estimated the ECR of thermal generating stations of DVC for the years 2023 – 2024, 2024 – 2025 and 2025 – 2026 from ECR of 2022 – 23 as considered by this Commission in the MYT order of previous control period of DVC issued by this Commission and average yearly inflation of 2023 – 24 at 1.27% thereon as per Notifications of CERC, considering blending ratio of Import Coal at 6% as mandated by Ministry of Power, Govt of India.

4.5.11 Energy Charge Rate (ECR) of different own thermal generating stations of DVC as estimated by this Commission for the present control period is tabulated below:

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

Sl. No.	Name of the generating station	ECR of 22-23 considered by WBERC in MYT Order	Yearly Inflation considered by WBERC	Estimated ECR (p/kwh)		
				23 – 24	24 – 25	25 – 26
A	B	C	D	E*	F*	G*
1	MTPS U#1 to 3	323.52	1.27%	327.63	331.79	336.00
2	MTPS U# 4	323.52	1.27%	327.63	331.79	336.00
3	MTPS U# 5 & 6	321.94	1.27%	326.03	330.17	334.36
4	MTPS U# 7 & 8	301.7	1.27%	305.53	309.41	313.34
5	CTPS U# 7 & 8	209.64	1.27%	212.30	215.00	217.73
6	DSTPS U # 1 & 2	273.31	1.27%	276.78	280.30	283.86
7	KTPS U# 1 & 2	233.06	1.27%	236.02	239.02	242.05
8	BTPS 'A'	226.22	1.27%	229.09	232.00	234.95

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Sl. No.	Name of the generating station	ECR of 22-23 considered by WBERC in DVC MYT Order	Yearly Inflation considered by WBERC	Estimated ECR		
				23 – 24	24 – 25	25 – 26
9	RTPS U # 1&2	243.22	1.27%	246.31	249.44	252.60

Note: (\*)  $E = C \times (1+D)$ ,  $F = C \times (1+D)^2$ ,  $G = C \times (1+D)^3$ ,

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. The projected and admitted ECR is shown below:

**Table – 4.5.11(b): Energy charge rate (ECR) of own thermal generating stations**

(p/kwh)

Sl. No.	Name of the generating Station	Projected			Admitted		
		23 – 24	24 – 25	25 – 26	23 – 24	24 – 25	25 – 26
1	MTPS U#1 to 3	397.64	408.16	419.03	327.63	331.79	336.00
2	MTPS U# 4	397.64	408.16	419.03	327.63	331.79	336.00
3	MTPS U# 5 & 6	383.89	393.98	404.41	326.03	330.17	334.36
4	MTPS U# 7 & 8	356.71	366.08	375.76	305.53	309.41	313.34
5	CTPS U# 7 & 8	343.73	352.51	361.58	212.30	215.00	217.73
6	DSTPS U # 1&2	369.34	379.11	389.21	276.78	280.30	283.86
7	KTPS U# 1 & 2	329.21	337.71	346.50	236.02	239.02	242.05
8	BTPS 'A'	286.21	293.57	301.17	229.09	232.00	234.95
9	RTPS U # 1&2	362.10	371.62	381.47	246.31	249.44	252.60

4.5.12 The cost of generation from own solar stations is considered under cost of Renewable Purchase Obligation cost of DVC for West Bengal part. DVC will submit all required details of regulatory approval from concerned Commissions in APR stage.

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

**Table – 4.5.13: Admitted Energy Charges**





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Name of the generating Station	2023 – 24			2024 – 25			2025 – 26		
	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
MTPS U#1 to 3	3993.28	327.63	130831.83	3982.37	331.79	132131.05	3982.37	336.00	133807.63
MTPS U#4	1331.09	327.63	43610.50	1327.46	331.79	44043.80	1327.46	336.00	44602.66
MTPS U#5 & 6	2070.47	326.03	67503.53	2101.80	330.17	69395.13	2101.80	334.36	70275.78
MTPS U#7 & 8	529.30	305.53	16171.70	1388.94	309.41	42975.19	1362.66	313.34	42697.59
CTPS U#7 & 8	137.31	212.30	2915.09	254.90	215.00	5480.35	689.42	217.73	15010.74
DSTPS U#1 & 2	4346.15	276.78	120292.74	4392.35	280.30	123117.57	4392.35	283.86	124681.25
KTPS U#1 & 2	310.46	236.02	7327.48	313.74	239.02	7499.01	313.74	242.05	7594.08
BTPS 'A'	1862.87	229.09	42676.49	1882.44	232.00	43672.61	1882.44	234.95	44227.93
RTPS U#1&2	3382.01	246.31	83302.29	3465.58	249.44	86445.43	3465.58	252.60	87540.55
<b>Total</b>			<b>514631.65</b>			<b>554760.14</b>			<b>570438.21</b>

- 4.5.14 The fixed charge, energy charge of different thermal and hydel power stations of DVC in 2023 – 24, 2024 – 25 and 2025 – 26, for consumers and other licensee in radial mode in West Bengal part of DVC command area, on the basis of availability and percentage of 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	23-24	24-25	25-26
Energy Charge for consumers of DVC	514631.65	554760.14	570438.21
Fixed Cost for consumers of DVC	280823.99	300247.35	307606.50
<b>TOTAL</b>	<b>795455.64</b>	<b>855007.49</b>	<b>878044.71</b>
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	54.994	55.323	55.483
Own Generation cost for consumers of DVC in West Bengal Command area	<b>437452.87</b>	<b>473015.79</b>	<b>487165.55</b>

- 4.5.15 Station wise computation of fixed charge and energy charge, as considered by this





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Commission for sale to consumers of DVC in the command area in West Bengal are subject to truing up as per future tariff orders or Truing up orders of CERC as per provision of the Tariff Regulations.

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

4.6.1 DVC has submitted that cost of power purchase from NTPC, NHPC, MPL and PTC power from Bhutan has been projected for the period FY 2023-24 to FY 2025-26 based on the past trend analysis, data submitted in the petitions before CERC for 2019-24 period by the respective generators and relevant recent guidelines of CERC.

4.6.2 This Commission admits the capacity charge of power purchase cost from NTPC and NHPC in comparison to the capacity charge of respective source admitted for 2022 – 23 in respective tariff order of this Commission. For MPL, this is found that the capacity charge of MPL for the year 2023 – 24 is consistent with the AFC approved by CERC for the year 2023 – 24. However, capacity charge of MPL is increased by 3.40% for the year 2024 – 25 and 1.38% for the year 2025 – 26 with respect to previous years whereas AFC approved by CERC in 2023 – 24 for MPL is less than that of 2022 – 23. Therefore, the projected capacity charge of 2023 – 24 at Rs. 15346.57 lakh for power purchase from MPL is admitted for all the years of the control period.

4.6.3 The energy charge rate for purchase from Talcher of NTPC and MPL are admitted considering respective admitted rate in tariff order 2022 – 23 and coal inflation thereon as admitted for own thermal generating stations of DVC in this order. The projected and admitted ECR of Talcher of NTPC and MPL are as follows:

**Table – 4.6.3: Admitted ECR of Talcher, NTPC and MPL**

(p/kwh)

Source	Projected			Admitted		
	23 – 24	24 – 25	25 – 26	23 – 24	24 – 25	25 – 26
Talcher	193.28	199.76	206.46	194.56	197.03	199.53
MPL	274.61	283.82	293.34	277.25	280.77	284.33





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- 4.6.4 The energy charge rate projected for purchase from PTC power from Bhutan and Teesta of NHPC are also admitted considering respective admitted rate in tariff order 2022 – 23. However, for purchase from Rangit of NHPC, admitted energy charge rate in tariff order 2022 – 23 is continued at 190.50 p/kwh in the instant order since the projected rate is found higher. The projected and admitted energy charge rates of purchase from PTC and NHPC are shown below:

**Table – 4.6.4: Energy charge rate of purchase from PTC and NHPC**

(p/kwh)

Source	Projected			Admitted in MYT-7 22 – 23	Admitted		
	23 – 24	24 – 25	25 – 26		23 – 24	24 – 25	25 – 26
<b>NHPC</b>							
Rangit	199.23	207.26	215.60	190.50	<b>190.50</b>	<b>190.50</b>	<b>190.50</b>
Teesta	81.37	82.71	84.07	115.86	81.37	82.71	84.07
<b>PTC Hydel</b>							
Chukha	240.17	240.17	240.17	240.15	240.17	240.17	240.17
Kurichu	217.24	217.19	217.22	227.96	217.24	217.19	217.22
Tala	216.06	216.06	216.05	227.00	216.06	216.06	216.05

- 4.6.5 The energy charge rate for purchase of non renewable power from power exchanges (IEX/PXIL) and PTC are projected as follows:

**Table – 4.6.5: Projected ECR of non renewable power from power exchanges, PTC**

(p/kwh)

Energy Source	23 – 24	24 – 25	25 – 26
Purchase from Power Exchanges (IEX & PXIL)	562.38	562.38	562.38
Thermal Power through PTC	550.00	550.00	550.00

DVC has submitted that as the rate of the thermal power to be purchased from PTC is yet to be explored, DVC in the instant petition has considered a flat rate of Rs 5.50 per unit on projection basis, considering the scarcity prevailing in the market on the supply side and resultant high price in the power exchanges. On cost of purchase from Power Exchanges, it is submitted by DVC that the rate for such purchase has been projected based on the prevailing rates at the exchanges.

This Commission has noted that the Weighted average Market Clearing Price (MCP) in  
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Day Ahead Market (DAM) in Indian Energy Exchange (IEX) for the year 2023 – 24 (upto first week of December, 2023) is 521.33 paise per kwh. This Commission has considered the rate of 521.33 paise per kwh for purchase from energy exchanges for all the years of the control period.

- 4.6.6 Thus, the total power purchase cost excluding cost of Renewable for West Bengal part of DVC are admitted as summarized below with details in Annexure – 4D, 4E and 4F:

**Table – 4.6.6: Power purchase cost excluding cost of Renewable Purchase for West Bengal part of DVC**

(Rs lakh)

Projected			Admitted		
2023 – 24	2024 – 25	2025 – 26	2023 – 24	2024 – 25	2025 – 26
35323.04	63670.19	79004.28	35414.98	34377.84	34671.48

The average Net Purchase cost excluding renewable energy (RE) source for entire command area of DVC in West Bengal and Jharkhand for the years 2023 – 24, 2024 – 25 and 2025 – 26 comes to 368.95 p/kwh, 365.76 p/kwh and 367.10 p/kwh respectively.

- 4.6.7 DVC has projected Cost of Solar & Non Solar Power and Renewable Energy Certificate (REC) Purchased to meet the solar & non solar RPO in the state of West Bengal at Rs. 45461.84 lakh, Rs. 47805.61 lakh and Rs. 51,388.70 lakh respectively for the years 2023 – 24, 2024 – 25 and 2025 – 26. The licensee has submitted calculation of Solar and Non Solar RE Purchase requirement in West Bengal and Jharkhand part of DVC (MU), Solar and Non Solar RPO met through purchase of solar and Non Solar REC (MU) and cost thereof. The projected Solar and Non Solar RE purchase requirement and RPO met through REC in West Bengal part of DVC (MU) is summarized as below:

**Table – 4.6.7: Projected Solar, Non Solar RE and REC for West Bengal part of DVC**

(MU)

Particulars	23 – 24	24 – 25	25 – 26
Total Solar RPO in West Bengal part of DVC (MU)	827.23	870.97	699.87
Solar RPO met through purchase of solar power (MU)	180.44	230.73	480.64





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Balance Solar RPO met through purchase of solar REC (MU)	646.79	640.23	219.23
<b>Total Non-solar RPO in West Bengal part of DVC (MU)</b>	<b>1934.53</b>	<b>2014.71</b>	<b>1283.09</b>
Non-solar RPO met through purchase of Non-solar power from GDAM (MU)	147.83	148.59	300.00
Balance Non-solar RPO met through purchase of Non-solar REC (MU)	1786.71	1866.13	1141.33

4.6.8 This Commission has noted that DVC has proposed to undertake shortfall in Solar and Non Solar RPO up to FY 2021-22 (MU) to be fulfilled in FY 23-24 to 25-26 and accordingly, projected the shortfall for Solar and Non Solar RPO to be met through REC purchase. This Commission finds it prudent to not consider the purchase of REC for shortfall of previous years in tariff determination stage of the present control period.

4.6.9 This Commission, for West Bengal command area of DVC, has determined the Solar RPO (MU), Non Solar RPO (MU) and shortfall to be met through purchase of REC (MU) as per the West Bengal Electricity Regulatory Commission (Cogeneration and Generation of Electricity from Renewable Sources of Energy) Regulations, as amended, as below:

**Table – 4.6.9: Solar RPO, Non Solar RPO and REC for West Bengal area**

Particulars	Unit	Derivation	23-24	24-25	25-26
Total annual sale of DVC in their command area in the State of West Bengal and Jharkhand	MU	A	20457.33	21684.71	22758.92
Total Annual Sale in JH area	MU	B	9207.11	9688.04	10131.64
Total Annual Sale in WB area	MU	C	11250.22	11996.67	12627.28
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	%	D=C/A	54.994%	55.323%	55.483%
Sale to other licensee in WB	MU	E	656.16	684.84	714.98
Energy wheeled in DVC area in JH and WB	MU	F	827.00	837.00	846.00
Energy wheeled for WB	MU	G=FxD%	454.80	463.05	469.39
Sale to consumers in WB other than Licensee	MU	H=C-E-G	10139.26	10848.78	11442.91
T&D Loss in WB	MU	I=H/(1-2.75%)-H	286.71	306.78	323.58
Energy required for sale to consumer other than licensee (WB)	MU	J=H+I	10425.97	11155.56	11766.49





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Particulars	Unit	Derivation	23-24	24-25	25-26
Hydro Power Consumption from Own station (WB & JH)	MU	K	469.11	475.00	480.00
Above for WB area	MU	$L=K \times D\%$	257.98	262.78	266.32
Hydro Power Consumption from external sources (WB&JH)	MU	M	642.35	645.81	649.26
Above for WB area	MU	$N=M \times D\%$	353.25	357.28	360.23
Firm sale considered for RPO in WB	MU	$O=J-L-N$	9814.74	10535.50	11139.94
Applicable percentage for solar RPO as per the applicable Regulation for WB	MU	P	6%	6%	6%
Applicable percentage for non solar RPO as per the applicable Regulation for WB	MU	Q	11%	11%	11%
Quantum of Solar RPO for the year for WB	MU	$R=O \times P\%$	588.88	632.13	668.4
Quantum of Non Solar RPO for the year for WB	MU	$S=O \times Q\%$	1079.62	1158.91	1225.39
Quantum of Solar RPO for the year for JH (as submitted by DVC)	MU	T	1123.30	1184.91	1241.60
Quantum of Non Solar RPO for the year for JH (as submitted by DVC)	MU	U	1123.30	1184.91	1241.60
Total Solar RPO to be fulfilled in the year (WB & JH)	MU	$V=R+T$	1712.18	1817.04	1910.00
Total Non Solar RPO to be fulfilled in the year (WB & JH)	MU	$W=S+U$	2202.92	2343.82	2466.99
Generation from Own Solar Stations of DVC (WB & JH)	MU	X	16.39	72.79	703.99
Solar Energy purchased (MU) for WB & JH	MU	Y	605.97	710.99	772.21
Solar Energy generation for WB in RPO ratio	MU	$Z=X \times (R/V)$	5.64	25.32	246.36
Solar Energy purchase for West Bengal in RPO ratio	MU	$AA=Y \times (R/V)$	208.41	247.35	270.23
Non-Solar energy purchased through GDAM for WB & JH	MU	AB	300.00	300.00	300.00
Non-Solar energy purchased through GDAM for WB	MU	$AC=AB \times (S/W)$	147.03	148.34	149.01
Solar REC purchase requirement in WB	MU	$AD=R-Z-AA$	374.83	359.46	151.81
Non Solar REC purchase requirement in WB	MU	$AE=S-AC$	932.59	1010.57	1076.38
Solar and Non Solar REC purchase requirement in WB	MU	$AF=AD+AE$	1307.42	1370.03	1228.19





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- 4.6.10 DVC has stated that the price of solar and non-solar energy from Green Day Ahead Market (GDAM) for FY 2023 – 24 to FY 2025 – 26 has been projected based on the actual average price of purchase during the FY 2022 – 23 from GDAM. The projected price is 571.61 paise/kwh for both Solar and Non Solar power to be procured from GDAM of power exchange for all the years of the control period.

This Commission has noted that the Weighted average Market Clearing Price (MCP) in GDAM of IEX is 564.35 paise/kwh for the year 2022 – 23. Therefore, this Commission admits Solar and Non Solar power to be procured from GDAM of power exchange at 564.35 paise/kwh as projected for all the years of the control period.

- 4.6.11 Rs. 66125.06 lakh, Rs. 67078.20 lakh and Rs. 34765.72 lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively are projected by DVC in Form 1.10(b) for purchasing Renewable Energy Certificates (REC) from the energy exchange platform equivalent to 5842.47 MU, 5926.68 MU and 3071.72 MU renewable energy (1 REC = 1 MWH) for entire DVC command area, as submitted in Table-5 of the petition, to meet the Renewable Purchase Obligation (RPO) in accordance with the relevant regulations as notified by the respective state Commissions. The rate of REC is projected at 113.18 paise per kwh in Table-20 of the petition. This Commission has noted that the rate of REC at IEX has a downward trend from Rs 1000 per REC on 01.04.2023 to Rs 375 per REC on 29.11.2023 (1 REC=1MWH or 1000 kwh or 0.001 MU). Therefore, this Commission finds it prudent to admit the rate of Rs 375 per REC or 37.5 paise/kwh in energy terms including all charges and taxes instead of projected rate of 113.18 paise per kwh considering the falling price trend of REC. Thus, the cost of purchasing REC for the entire command area comes as follows:

**Table – 4.6.11: Admitted cost of REC for entire command area**

Particulars	Projected			Admitted		
	23-24	24-25	25-26	23-24	24-25	25-26
REC equivalent energy (MU)	5842.47	5926.68	3071.72	4716.39	4790.35	2939.35
Rate of REC (p/kwh)	113.18	113.18	113.18	37.5	37.5	37.5





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Cost of REC (Rs lakh)	66125.08	67078.16	34765.73	<b>17686.46</b>	<b>17963.81</b>	<b>11022.56</b>
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4.6.12 DVC has stated that the cost of purchase of 200 MW and 100 MW solar power through long-term Power Purchase agreement (PPA) with SECI and NTPC REL respectively, has been considered as per the PPA terms approved by this Commission. The projected power purchase rate of solar power through NTPC REL at 245 paise/kwh as mentioned in the PPA approved by this Commission in Case No. PPA-118/21-22 dated 06.07.2022, is admitted in this order.

4.6.13 The purchase rate of solar power through SECI is projected at 393.00 paise/kwh. This Commission has noted that the projected rate is consistent with the weighted average tariff of peak and off peak period from the source as approved by this Commission in Case No. PPA-116/21-22 dated 30.05.2022. Hence the projected power purchase rate of solar power through SECI as well as the trading margin of 7 paise/kwh payable to SECI, totalling to 400 paise/kwh is also admitted by this Commission in the instant order.

**Table – 4.6.13: Admitted Power purchase rate including trading margin for 200 MW Assured Peak RE power through SECI**

Particulars	Derivation	Amount
Contracted Capacity (MW)	A	200
Capacity Utilization Factor (CUF)	B	38.50%
Annual Committed Generation (MU)	C	674.52
Annual mandated Peak period supply (MU)	D	219
Annual Off Peak period supply (MU)	E=C-D	455.52
Peak Tariff (p/kwh)	F	612
Off Peak Tariff (p/kwh)	G	288
Weighted Average Tariff (p/kwh)	H	393
Trading margin of SECI (p/kwh)	I	7
Total Cost (p/kwh)	J=H+I	400
C=A x B x 24 x 365 / 1000		
D=A x 50% x 6 x 365/1000		

4.6.14 This is submitted that DVC has signed agreement with M/s Jyotikiran Energy Mumbai





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Private Limited (JEMPL) for commissioning of solar PV plant at DVC's own premises at different rates from 325.00 paise/kwh to 333.00 paise /kwh. DVC has projected rate of purchase of solar power from the solar PV plants commissioned by JEMPL at DVC's own premises at 331.01 paise/kwh, 331.00 paise/kwh and 330.06 paise/kwh for the years 2023 – 24, 2024 – 25 and 2026 – 26 respectively.

This is already in records of this Commission (in Case Nos. PPA – 108/21 – 22 to PPA – 112/21 – 22) that (i) the Tariff has been discovered through Global competitive bidding by SECI for Grid Connected Rooftop Solar PV System for Government Buildings in different zones of India under CAPEX/RESCO Model; (ii) The Power Producer (JEMPL) has been notified as successful bidder by Solar Energy Corporation of India ("SECI") for 'Design, Manufacture, Supply, Erection, Testing and Commissioning including Warranty, Operation & Maintenance' of the Rooftop Solar PV System at different premises of DVC.

The projected rates are admitted by this Commission, however, DVC is not relieved from the regulatory compliance regarding these PPAs.

4.6.15 DVC has stated that they have a total of 40 MW solar allocation from NTPC and NVVNL under Jawaharlal Nehru National Solar Mission Program. The projected energy charge rates of 1042.28 paise/kwh, 1044.04 paise/kwh and 1045.80 paise/kwh for the years 2023 – 24, 2024 – 25 and 2026 – 26 respectively from NVVNL and 935.11 paise/kwh from NTPC for all the years are admitted as per provision in regulation 6.1(v)(b) of West Bengal Electricity Regulatory Commission (Cogeneration and Generation of Electricity from Renewable Sources of Energy) Regulations, 2013, as amended.

4.6.16 DVC has considered the rate at Rs 3.00 per kWh from projected generation from solar power plants on its own free lands of different field formations through 100% ownership and through a joint venture with NTPC REL and DVC craves leave to revise the rate of solar generation once it is determined by the appropriate commission or it is determined through bidding process.

This Commission has approved PPA in Case No. PPA – 110/21-22 wherein DVC will purchase solar power from rooftop Solar Photovoltaic (PV) Power Plant to be installed at





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MTPS of DVC @ 325 paise/kwh which has been discovered in competitive bidding through Solar Energy Corporation of India Limited (SECI) under CAPEX/RESCO Model. Therefore, for own generation from Solar Photovoltaic (PV) Power Plant, this Commission in tariff determination stage considers tariff @ 300 paise/kwh as projected by DVC. 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.

- 4.6.17 Cost of power purchase from renewable sources and REC for the years 2023 – 24, 2024 – 25 and 2025 – 26 for West Bengal command area of DVC is admitted by this Commission as below:

**Table – 4.6.17: Cost of power purchase from renewable sources and REC for West Bengal command area of DVC**

Particulars	Unit	Derivation	23-24	24-25	25-26
Solar Energy generation for WB in RPO ratio	MU	A	5.64	25.32	246.36
Energy Charge rate of above	p/kwh	B	300.00	300.00	300.00
<b>Cost of Solar energy from own generation for WB</b>	<b>Rs lakh</b>	<b>C=AxB</b>	<b>169.20</b>	<b>759.60</b>	<b>7390.80</b>
Purchase of Solar Energy for Jharkhand & West Bengal	MU	D	605.97	710.99	772.21
Cost of Purchase of Solar Energy for Jharkhand & West Bengal	Rs lakh	E	31751.78	20483.50	22250.42
Purchase of Solar Energy for West Bengal	MU	F	208.41	247.35	270.23
<b>Cost of Purchase of Solar Energy for West Bengal</b>	<b>Rs lakh</b>	<b>G=Ex(F/D)</b>	<b>10920.32</b>	<b>7126.11</b>	<b>7786.39</b>
Non-Solar energy purchased through GDAM for WB & JH	MU	H	300.00	300.00	300.00
Cost of Non Solar purchase for WB & JH	Rs lakh	I	16930.50	16930.50	16930.50
Non-Solar energy purchased through GDAM for WB	MU	J	147.03	148.34	149.01
<b>Cost of Non Solar purchase for WB</b>	<b>Rs lakh</b>	<b>K=Ix(J/H)</b>	<b>8297.64</b>	<b>8371.57</b>	<b>8409.38</b>
Solar REC purchase requirement in WB	MU	L	374.83	359.46	151.81
Non Solar REC purchase requirement in WB	MU	M	932.59	1010.57	1076.38
Rate of Solar REC	p/kwh	N	37.50	37.50	37.50
Rate of Non Solar REC	p/kwh	O	37.50	37.50	37.50





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Particulars	Unit	Derivation	23-24	24-25	25-26
Solar and Non Solar REC cost in WB	Rs lakh	$P=LxN+MxO$	4902.83	5137.61	4605.71
Cost of Solar, Non Solar purchase and REC for WB	Rs lakh	$Q=C+G+K+P$	24289.99	21394.89	28192.28

- 4.6.18 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 **Transmission charges and Power system charges**

DVC has projected expenses for its own composite and unified T & D system, transmission and other incidental charges related to power purchase, O&M expense of the communication scheme established under the ULDC scheme as below:

**Table – 4.7: Transmission charges and Power system charge projected by DVC for its entire command area in West Bengal and Jharkhand**

(Rs lakh)

Sl. No	Particulars	23-24	24-25	25-26
A	Transmission and other incidental charges related to power purchase			
(i)	Inter State Transmission charge	14145.37	28856.56	29433.69
(ii)	PTC Transmission charge	96.38	98.31	100.27
(iii)	NVVNL Solar Power Transmission charge	442.66	440.42	438.17
(iv)	POSOCO Charges	278.21	283.77	289.45
(v)	ULDC Charges	1079.93	1101.53	1123.56
(vi)	Contribution to ERPC fund	16.00	16.00	16.00
	Sub Total	16058.55	30796.59	31401.14
B	O&M Expenses on communication system under ULDC Scheme	64.22	67.43	70.81
C	Expenses for own T & D system	50999.79	53136.66	54427.90





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4.7.1 Transmission and Power System charges related to power purchase

4.7.1.1 DVC has stated that 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, ULDC charge and contribution to ERPC fund etc. for the years 2023 – 24, 2024 – 25 and 2026 – 26 for DVC command area in West Bengal and Jharkhand, are projected in proportion of the projected allocation of conventional power from the CSGS and other sources considering the actual cost incurred till Nov'2022 and past trend. Such charges, separately shown by DVC in Form 1.10 and Table 22 of the petition, are apportioned for different applicable sources (NHPC, NTPC Thermal, MPL, PTC, PTC Thermal) under 'Transmission charge' in Form 1.10.

4.7.1.2 This Commission has noted that the projected Transmission charges to CTU for the years 2024 – 25 and 2026 – 26 are more than double with respect to 2023 – 24. On examination of source wise projected transmission and incidental charges, it is noticed that the increase is mainly due to projected charges of thermal power from PTC.

4.7.1.3 The actual transmission and allied incidental charges for the years 2020 – 21, 2021 – 22 and 2022 – 23 submitted through affidavit vide letter dated 25.08.2023 are shown below:

**Table – 4.7.1.3: Transmission and Power System charges related to power purchase in 2020 – 21, 2021 – 22 and 2022 – 23**

(Rs lakh)

Sl. No	Particulars	20-21	21-22	22-23
(i)	Inter State Transmission charge	12604.27	13249.43	14800.52
(ii)	PTC Transmission charge	90.82	93.48	83.16
(iii)	NVVNL Solar Power Transmission charge	409.75	394.44	424.75
(iv)	POSOCO Charges	64.81	84.60	79.07
(v)	ULDC Charges		887.82	1071.65
(vi)	Contribution to ERPC fund	16.00	16.00	16.00





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	TOTAL	13185.65	14725.77	16475.15
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- 4.7.1.4 This Commission has not admitted purchase of thermal power through PTC projected by DVC. Therefore, the sources of power, for which DVC avails the services of the Power Grid Corporation of India Limited (PGCIL) and its subsidiaries for conveyance of electricity from the place of generation through inter-state transmission for delivery in the DVC Area, remain unchanged with respect to the base year 2022 – 23. Inter State Transmission charge depends on allocation of MW to the utilities. This Commission admits the Inter State Transmission charge for the years 2023 – 24, 2024 – 25 and 2026 – 26 as was admitted for the year 2022 – 23 in the respective MYT order.
- 4.7.1.5 Transmission charge for PTC hydel power from Bhutan, POSOCO Charges, Transmission charge for NVVNL Solar Power, ULDC Charges and Contribution to ERPC fund for all the three years of the present control period are allowed in this order as was admitted for the year 2022 – 23 in the previous MYT order since these costs are fixed in nature.

**Table – 4.7.1.5: Admitted Transmission and Power System charges related to power purchase**

(Rs lakh)

Sl. No	Particulars	23-24	24-25	25-26
(i)	Inter State Transmission charge	14800.52	14800.52	14800.52
(ii)	PTC Transmission charge	83.16	83.16	83.16
(iii)	NVVNL Solar Power Transmission charge	424.75	424.75	424.75
(iv)	POSOCO Charges	79.07	79.07	79.07
(v)	ULDC Charges	1071.65	1071.65	1071.65
(vi)	Contribution to ERPC fund	16.00	16.00	16.00
(vii)	Total for DVC command area	<b>16475.15</b>	<b>16475.15</b>	<b>16475.15</b>
(viii)	Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	54.994	55.323	55.483
(ix)	Transmission and Power System charges related to power purchase for West Bengal command area of DVC	<b>9060.34</b>	<b>9114.55</b>	<b>9140.91</b>





#### 4.7.2 O&M Expenses of ULDC Scheme

4.7.2.1 DVC has stated that it avails the services of ULDC scheme installed by PGCIL to facilitate load dispatch activities by RLDCs but CERC in respective order dated 14.12.2017 has not allowed any expense under O&M charges of ULDC assets to PGCIL since PGCIL submitted in the petition that AMC of SCADA/EMS systems established under ULDC Scheme for all the constituents is the responsibility of the respective SLDCs in line with the ER-ULDC project and therefore no claim under O&M expenses charges for the same was made by the CTU. Accordingly, payment of the AMC charges to PGCIL and other vendors for maintenance of the communication scheme established under the ULDC scheme as mentioned above is claimed by DVC in the ARR of Distribution Activity. For estimation of AMC charges for FY 2023-24 onwards, average of the actual amount paid for the last seven years (2015-16 to 2021-22) has been considered by DVC in the instant petition. The petitioner has claimed Rs. 64.22 lakh, Rs 67.43 lakh and Rs. 70.81 lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively for DVC command area in Jharkhand and West Bengal. The proportionate claim for West Bengal part of DVC comes to Rs. 35.32, Rs 37.30 lakh and Rs. 39.29 lakh for 2023 – 24, 2024 – 25 and 2025 – 26 respectively.

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

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

4.7.2.3 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





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amount to be recovered from the retail Distribution Business for AMC charges paid for ULDC Communication scheme.

- 4.7.2.4 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.

**4.7.3 Transmission and distribution (T&D) Network of DVC:**

- 4.7.3.1 DVC has projected input cost related to T&D System for the years 2023 – 24, 2024 – 25 and 2025 – 26 considering 99.20% availability for all the years. The Annual Fixed Charge (AFC) as approved by CERC for FY 2023 – 24 is considered by DVC for 2023 – 24 and for FY 2024-25 and FY 2025-26, DVC has projected the AFC considering the past trend. Proportionate cost for composite transmission and distribution expenses for consumers of West Bengal for the respective years has been claimed.

- 4.7.3.2 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 year 2023 – 24 for all the years of the present control period.

Also, Transmission System availability factor of 99.20% as projected by DVC for its composite T&D network involves incentive as per computation formula provided in regulation 46(2) of CERC Tariff Regulations, 2019. However, this Commission does not consider any incentive for composite T&D network of DVC in tariff determination stage. Therefore, this Commission considers normative transmission availability of 98.0% for all the years of the present control period in the tariff determination stage instead of 99.20% projected by DVC.

- 4.7.3.3 Further, this Commission has noted that CERC has issued order dated 07.08.2023 on determination of Open Access charges for transmission and wheeling of power using Transmission and Distribution network of Damodar Valley Corporation. Tata Steel Limited, Indian Railway (East Central Railway), Jindal Steel & Power Limited and JBVNL have





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applied and availed of for open access to the transmission and distribution (T&D) system owned and operated by DVC. The long term and medium term open access charges for transmission and wheeling of power for use of T&D network of DVC for the period 2019-24 is determined by CERC in the order as follows:

**Table – 4.7.3.3: CERC Order dated 07.08.2023 on Open Access**

Sl. No.	Particulars	23-24
a	Own contracted demand (MVA)	2917.68
b	Own contracted demand considering power factor of 0.97(MW) (=a*0.97)	2830.15
c	Power wheeled by JBVNL (MW)	568.50
d	MTOA Contracted Capacity (MW)	75.00
e	LTA Sale (MW)	409.50
f	Total Contracted Capacity of DVC (MW) (=b+c+d+e)	3883.15
g	Annual Transmission charges (Rs. lakhs)	50665.45
h	Long/Medium Term rate in (Rs. lakh/MW/month) {=(g/f)/12}	1.09
i	Short-Term Rate in (paise/kWh) {=g/f*10000/(365*24)}	14.89

This is recorded in the order of CERC that Jharkhand Bijlee Vitran Nigam Limited ('JBVNL'), which was a firm consumer of DVC, started purchasing power from KTPS (DVC) under long-term PPA with effect from 01.01.2019, with the committed ex-bus capacity of 568.5 MW using DVC's T&D network for wheeling and pays open access charges to DVC as per rates determined by CERC for such wheeling of power.

CERC has mentioned in the order that the contracted capacity by all MTOA users of DVC's T&D system was 75 MW in both FY 2017-18 and FY 2018-19. The Central Commission has considered the contracted capacity of 75 MW by all MTOA users upto 2023 – 24.

As per the order of CERC, out of DVC's own generating stations that are connected to the T&D network of DVC, only MTPS 5-6 and CTPS 7-8 sell 409.5 MW power to beneficiaries outside the DVC command area under long-term PPAs during FY 2018-19. The Central Commission has considered 409.5 MW as LTA Sale upto 2023 – 24.





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4.7.3.4 Based on the above order of CERC for the period 2019 – 24, this Commission now determines the Income from Long/Medium Term sale and wheeling using DVC's T&D network for West Bengal part of DVC.

This Commission has considered the figures for the year 2023 – 24 in the above mentioned order of CERC and the same are continued for the years 2024 – 25 and 2025 – 26. The Long/Medium Term rate at Rs. 1.09 lakh/MW/month as allowed by CERC in the order for the year 2023 – 24 is considered by this Commission for all the years of the present control period for transmission and wheeling of power for use of T&D network of DVC. Income from Long/Medium Term sale and wheeling using DVC's T&D network for West Bengal part of DVC is determined by this Commission as follows:

**Table – 4.7.3.4: Income from Long/Medium Term sale and wheeling using DVC's T&D network for West Bengal part of DVC**

Sl. No.	Particulars	23-24	24-25	25-26
A	Own contracted demand considering power factor of 0.97(MW)	2830.15	2830.15	2830.15
B	Power wheeled by JBVNL (MW)	568.50	568.50	568.50
C	MTOA Contracted Capacity (MW)	75.00	75.00	75.00
D	LTA Sale (MW)	409.50	409.50	409.50
E	Sale/wheeling to others using DVC's own T&D network (MW) [B+C+D]	1053.00	1053.00	1053.00
F	Long/Medium Term rate in (Rs. lakh/MW/month) approved by CERC	1.09	1.09	1.09
G	Income from Long/Medium Term sale and wheeling using DVC's T&D network for entire DVC (Rs. lakh) [F x 12 x E]	13773.24	13773.24	13773.24
H	Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	54.994%	55.323%	55.483%
I	Income from Long/Medium Term sale and wheeling using DVC's T&D network for WB part of DVC (Rs. lakh) [G x H]	7574.46	7619.77	7641.81

This Commission finds it prudent to adjust the above income from Long/Medium Term sale and wheeling using DVC's T&D network for all the years of the present control period. DVC shall submit details of the capacity allotted to long term and medium term Open Access customers as well as open access allowed to short term open access customers, if any, and wheeling charge realized from those customers.





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- 4.7.3.5 Based on the above, 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 is arrived at as below:

**Table – 4.7.3.5: T&D Cost in West Bengal Command area of DVC**

(Rs lakh)

Sl. No.	Particulars	Projected			Admitted		
		23-24	24-25	25-26	23-24	24-25	25-26
A	Normative Availability (NATAF)	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%
B	Yearly Availability (TAFY)	99.20%	99.20%	99.20%	98.00%	98.00%	98.00%
C	Total Annual Transmission charge (ATC) in Rs lakh	50665.45	52788.31	54071.09	50665.45	50665.45	50665.45
D	Recoverable fixed charge as per CERC formula: ATC x (TAFY / NATAF)	50999.79	53136.66	54427.90	50665.45	50665.45	50665.45
E	Share of Sale in WB Command area of DVC (%)	54.99	55.32	55.48	54.994	55.323	55.483
F	T&D Cost in WB Command area of DVC [D x E / 100]	28046.61	29396.89	30198.11	<b>27862.96</b>	<b>28029.65</b>	<b>28110.71</b>
G	Less: Income from Long/Medium Term sale and wheeling using DVC's T&D network for WB part of DVC	0	0	0	7574.46	7619.77	7641.81
H	Net T&D Cost in WB Command area of DVC [H=F-G]	28046.61	29396.89	30198.11	<b>20288.50</b>	<b>20409.88</b>	<b>20468.90</b>

- 4.7.3.6 DVC will submit availability certificate from concerned load despatch centre for composite transmission and distribution network during APR for the respective year along with truing up orders of CERC.

**4.8 Environment and other cess:**

- 4.8.1 DVC has projected environment and other cess for DVC command area in West Bengal and Jharkhand at Rs 83.55 lakh, Rs 87.72 lakh and Rs 92.11 lakh for the years 2023 –





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24, 2024 – 25 and 2025 – 26 respectively paid to different state authorities. The proportionate projection for West Bengal part of DVC comes to Rs. 45.95 lakh, Rs. 48.53 and 51.11 lakh for 2023 – 24, 2024 – 25 and 2025 – 26 respectively.

- 4.8.2 Environment and other cess paid to state authorities being statutory in nature, this Commission admits cess, however, the amount for entire DVC command area is considered at Rs. 35.00 lakh as was projected and admitted in tariff order for 2022 – 23. Further, this Commission has admitted cess based on 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	23-24	24-25	25-26
Environment and other cess	A	Lakh	35.00	35.00	35.00
Ex-Bus Own Generation of DVC	B	MU	43277.16	43222.53	43858.73
Ex-Bus Own Generation of DVC for Consumers	C	MU	18448.44	19657.37	20701.81
Cess for consumers of DVC	$D = A \times (C / B)$	Lakh	14.92	15.92	16.52
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	E	%	54.994	55.323	55.483
Cess for consumers of DVC in WB part	$F = D \times E / 100$		8.21	8.81	9.17

- 4.8.3 DVC 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. 1123.37 lakh, Rs. 1172.24 lakh and Rs. 1223.24 lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively for its West Bengal command area. This Commission admits the same as projected by DVC in the instant petition after examining the past trend, subject to truing up in respective APR in subsequent period.

4.10 **Regulatory fees and publication expenses:**





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- 4.10.1 DVC has stated that the Licensees/Tariff Filing Fees Paid to CERC/WBERC, Publication Expenses have been projected for FY 2023-24 to FY 2025-26 based on the trend of the cost incurred against such heads in the past. 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	Projected		
		23-24	24-25	25-26
A	Tariff filing fees for WBERC	101.25	107.97	113.65
B	Publication expenses for WBERC	25.00	30.00	35.00
C	<b>Total fees paid to WBERC and publication expense related to WBERC [A + B]</b>	<b>126.25</b>	<b>137.97</b>	<b>148.65</b>
D	Tariff filing fees to CERC	405.70	410.37	413.19
E	CERC related publication expenses	54.40	57.10	60.00
F	<b>Tariff filing fees to CERC &amp; related publication expenses [D + E]</b>	<b>460.10</b>	<b>467.47</b>	<b>473.17</b>
G	Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	54.99	55.32	55.48
H	Share for above in West Bengal Area [F x G]	253.03	258.62	262.53
I	<b>Total fees paid to WBERC &amp; CERC and publication fees as admitted by this Commission [C + H]</b>	<b>379.28</b>	<b>396.59</b>	<b>411.18</b>

- 4.10.2 This Commission has admitted all the charges 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 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, for the Tariff Filing Fees and Publication Expenses related to CERC, 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 for the West Bengal Command area of DVC is shown as below:

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

(Rs lakh)

Sl. No.	Item	Admitted		
		23-24	24-25	25-26
A	Tariff filing fees for WBERC	101.25	107.97	113.65
B	Publication expenses for WBERC	25.00	30.00	35.00
<b>C</b>	<b>Total fees paid to WBERC and publication expense related to WBERC [A + B]</b>	<b>126.25</b>	<b>137.97</b>	<b>148.65</b>
D	Tariff filing fees to CERC	405.70	410.37	413.19
E	CERC related publication expenses	54.40	57.10	60.00
<b>F</b>	<b>Tariff filing fees to CERC &amp; related publication expenses [D + E]</b>	<b>460.10</b>	<b>467.47</b>	<b>473.19</b>
G	Ex Bus Own generation (MU) [para 4.4.2.6]	43277.16	43222.53	43858.73
H	Ex Bus Own generation for consumers of DVC (MU) [para 4.4.2.6]	18448.44	19657.37	20701.81
I	Tariff filing fees to CERC & related publication expenses for consumers of DVC (F x H / G)	<b>196.13</b>	<b>212.60</b>	<b>223.35</b>
J	Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	54.994	55.323	55.483
K	Share for above in West Bengal Area [I x J]	107.86	117.62	123.92
<b>L</b>	<b>Total fees paid to WBERC &amp; CERC and publication fees as admitted by this Commission [C + K]</b>	<b>234.11</b>	<b>255.59</b>	<b>272.57</b>

4.10.3 In APR petitions for the respective years of 2023 – 24, 2024 – 25 and 2025 – 26, DVC will submit actual expense with Auditor's Certificate in respect of Tariff Filing Fees & Publication Expenses related to WBERC and Tariff filling fees & publication expenses related to CERC.

**4.11 Rebate on sale of power for West Bengal command area**

4.11.1 DVC has projected Rs. 14085.58 lakh, Rs. 15344.93 lakh and Rs. 16023.62 lakh on Payment rebate allowed to consumers for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively for West Bengal command area of DVC.





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- 4.11.2 This Commission has noted that Timely payment Rebate is not netted off in Form 2.3 and 3.1 of the petition, however, it is found that the projected figures are 2% of the Net Annual Revenue Requirement (ARR) for West Bengal area including sale to licensee claimed by DVC and much higher with respect to previous years as submitted in Form E(B) of this petition. This is very unlikely that all consumers will pay in due time through electronic mode. This Commission has noted from the annual accounts of DVC for the year 2022 – 23 that Rs. 18161 lakh is the total 'Rebate & Discount Allowed' by DVC including bilateral sale. Therefore, this Commission estimates the expense under timely payment rebate for the ensuing years for own consumers including licensee in West Bengal and Jharkhand as shown below, based on sale to own consumers including licensee in radial mode and bilateral sale:

**Table – 4.11.2: Rebate on sale of power for DVC command area in West Bengal and Jharkhand**

Particulars	22 – 23	23 - 24	24 - 25	25 - 26
Total Ex Bus Gen in MU [A]	40321.50	43277.16	43222.53	43858.73
Share of Ex Bus generation for own consumer in MU [B]	18317.47	18448.44	19657.37	20701.81
Bilateral sale outside DVC area in MU [C=A-B]	22004.03	24828.72	23565.16	23156.92
Total annual sale of DVC in their command area in the State of West Bengal and Jharkhand in MU[D]	19954.88	20457.33	21684.71	22758.92
'Rebate & Discount' of entire DVC including bilateral sale in Rs Lakh [E]	18161.00	19601.08	19585.42	19873.67
Share of Rebate for own consumer in WB & JH in Rs lakh [F=E x D / (D+C)]		8854.51	9385.75	9850.7

Note: E for the base year 2022 – 23 is from Annual Accounts of DVC for the year 2022 – 23.

E for ensuing years are prorated from 2022 – 23 as  $18161 \times (C_n + D_n) / (C_{22-23} + D_{22-23})$

- 4.11.3 This Commission admits the following estimated amount for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively for West Bengal command area of DVC in the instant order subject to truing up in respective APR orders based on auditor's certificate.





**Table – 4.11.3: Rebate on sale of power for consumers and other Licensees in radial mode of West Bengal**

(Rs lakh)

Particulars	23-24	24-25	25-26
Rebate for own consumer in WB & JH	8854.51	9385.75	9850.70
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	54.994%	55.323%	55.483%
Rebate on sale of power for consumers and other Licensees in radial mode of West Bengal	4869.45	5192.48	5465.46

#### 4.12 Interest on temporary financial accommodation

4.12.1 DVC has claimed Rs. 6051.77 lakh, Rs. 6354.36 lakh and Rs. 6672.07 lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively for the entire DVC command area and proportionate claim for West Bengal part of DVC at Rs 3328.09 lakh, Rs. 3515.43 lakh and Rs 3701.85 lakh respectively in the instant petition as the cost of interest on temporary financial accommodation for the ensuing years on projection basis referring Regulation 5.6.5.4 of Tariff (Terms and Conditions of Tariff) Regulations, 2011.

4.12.2 There is no such provision in the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) (Fourth Amendment) Regulations, 2023 which has come into force on and from 01.04.2023, hence, the claim is not admitted.

#### 4.13 11 kV distribution asset in West Bengal

4.13.1 DVC has projected the expenditure 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 asset created thereof during the present control period. The projected cumulative asset to be created at 11 kV voltage level is Rs 34541.30 lakh.

4.13.2 This Commission has approved Rs. 31200.00 Lakh (including IDC) for the investment proposal for such assets vide order dated 04.08.2023 in Case No. OA-439/22-23. The project is stated to be completed in a phased manner by 2024 – 25. Therefore, this





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Commission has admitted cumulative asset to be created at 11 kV voltage level during the years 2023 – 24, 2024 – 25 and 2025 – 26 as below considering Rs. 31200.00 Lakh as ceiling of cumulative asset:

**Table – 4.13.2: Distribution asset at 11 kV level**

(Rs lakh)

Particulars	Projected			Admitted		
	2023-24	2024-25	2025-26	2023-24	2024-25	2025-26
cumulative Distribution Assets	5406.5	34284.96	34284.96	5406.50	30968.46	30968.46
cumulative Metering Assets	52.08	256.34	256.34	52.08	231.54	231.54
<b>TOTAL</b>	<b>5458.58</b>	<b>34541.30</b>	<b>34541.30</b>	<b>5458.58</b>	<b>31200.00</b>	<b>31200.00</b>

4.13.3 Accordingly, Average admissible equity base for allowing returns is determined as follows:

**Table – 4.13.3: Average admissible equity base for allowing returns (Rs lakh)**

Sl. No.	Particulars	ADMITTED		
		2023-24	2024-25	2025-26
1	Actual equity base at the beginning of the year [#]	0.00	1637.57	9360.00
2	Admissible equity base at the beginning of the year	0.00	1637.57	9360.00
3	a. Addition to equity base during the year	1637.57	7722.43	0.00
	b. Deletion to equity base during the year on account of decommissioning of assets, etc.	0.00	0.00	0.00
	c. Less: Gain on sale of assets invested in creating new assets, if any	0.00	0.00	0.00
	Net Addition/ deletion to equity base during the year (3) = (3a) - 3(b) - 3(c)	1637.57	7722.43	0.00
4	Actual Equity Base at the end of the year (1+3)	1637.57	9360.00	9360.00
5	Net Addition to the original cost of fixed assets during the year (vide submission in form 1.18)	5458.58	25741.42	0.00
6	Less: Asset created in terms of regulation 5.15.1(iv), if any	0.00	0.00	0.00





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Sl. No.	Particulars	ADMITTED		
		2023-24	2024-25	2025-26
7	Net addition to the original cost of fixed assets during the year (vide submission in form 1.18) other than asset created under regulation 5.15.1 (iv) (5) - (6)	5458.58	25741.42	0.00
8	Normative addition to equity base (30% of 7)	1637.57	7722.43	0.00
9	Addition to equity base considered for the year (lower of 3 and 8)	1637.57	7722.43	0.00
10	Add 30% of total sale proceeds invested in creating Asset under regulation 5.15.1 (iv)	0.00	0.00	0.00
11	Addition in equity base during the year for the computation of return at the end of the year (9) + (10)	1637.57	7722.43	0.00
12	Admissible equity base at the closing of the year (2+11)	1637.57	9360.00	9360.00
13	Average admissible equity base for allowing returns $\{(2) + (12)\}/2$	818.79	5498.79	9360.00
<b>Note [#]:</b> Since the project of 11 kV distribution system in West Bengal is to be started by DVC in 2022 – 23, Actual equity base at the beginning of the year is considered nil				

4.13.4 DVC shall submit actual addition of equity during the year with APR petition for respective year.

**4.14 Return on Equity of 11 kV distribution asset in West Bengal**

4.14.1 DVC has claimed return on equity at Rs. 135.10 Lakh, Rs. 990.00 Lakh and Rs. 1709.79 Lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively considering rate of return at 16.50% for all the years of the control period.

4.14.2 As per regulation 5.6.1.2 of the Tariff Regulations, return on equity for a distribution licensee for its distribution assets put in commercial operation on and from 01.04.2024 shall be computed on the equity capital determined in accordance with the Tariff Regulations at an applicable rate of 15.50% and return on equity for distribution assets





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prior to 01.04.2024 shall continue at 16.50%. Accordingly, the return on equity of 11 kV distribution asset in West Bengal is admitted as follows:

**Table – 4.14.2: Return on equity (Rs lakh)**

Sl. No.	Particulars	23 – 24	24 – 25	25 – 26
A	Average Equity Base	818.79	5498.79	9360
B	Average equity for Assets prior to 01.04.24	818.79	818.79	818.79
C	Average equity for Assets on or after to 01.04.24 [A-B]		4680.00	8541.21
D	Rate of return for the asset capitalized prior to 01.04.24	16.50%	16.50%	16.50%
E	Rate of Return for the asset capitalized on or after 01.04.24	15.50%	15.50%	15.50%
F	Return on equity [B x D + C x E]	135.10	860.50	1458.99

- 4.14.3 DVC shall come up with details of actual equity infusion along with COD status of projects during APR applications for 2023-24, 2024-25 & 2025-26. This Commission will accordingly review the matter then.

**4.15 Depreciation of 11 kV distribution asset in West Bengal**

- 4.15.1 DVC has claimed depreciation on 11 kV distribution asset in West Bengal at Rs. 204.70 Lakh, Rs. 1500.00 Lakh and Rs. 2590.60 Lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively considering average depreciation rate at 7.5% in Form B as approved by CERC for DVC but it is submitted that assets wise depreciation rate will be considered during the APR exercise. DVC has further submitted in Form B that as the majority of the infrastructure will be created in the existing substation, therefore for the projection purpose value of Land has not been considered, however, actual cost of land will be considered in the APR petition.

- 4.15.2 DVC has claimed these 11 kV assets to be created for supply to consumers upto L&MV level as distribution assets and considered all costs related to these assets viz. depreciation, interest on loan, Return on Equity, O&M expenses etc, in the instant tariff





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petition for retail tariff for the years 2023 – 24, 2024 – 25 and 2025 – 26. Thus, the computation of depreciation of such assets are to be considered as per WBERC Tariff Regulations.

4.15.3 This Commission vide Regulation 5.6.2 of the Tariff Regulations, has specified the depreciation permitted to be recovered on the value of fixed assets used in the business of a Generating Company and / or Licensee. Further, vide regulation 5.6.2 (ii) of the said Tariff Regulations, this Commission has specified the rates [in Annexure – A(I)] and modalities of computing depreciation in case of the existing assets as on the cut-off date of 31<sup>st</sup> March 2022. Further, regulation 5.6.2 (vii) of the Tariff Regulations specifies that depreciation shall be recomputed at the time of Annual Performance Review based on Audited Accounts and documentary evidence of the assets capitalized by the Petitioner, subject to prudent analysis by the Commission.

4.15.4 This Commission, in the tariff determination stage, has considered depreciation rate at 5.28% the rate for most of the assets of sub stations as mentioned in Depreciation Schedule in Annexure – A(I) of the Tariff Regulations, for 6 months for the new assets in the year in which they are added.

**Table – 4.15.4: Admitted Depreciation for 11 kV distribution assets in West Bengal**

(Rs lakh)				
Sl. No.	Particulars	23-24	24-25	25-26
A	GFA Opening	0	5458.58	31200
B	GFA Additions during the year	5458.58	25741.42	0.00
C	Retired Assets during the year			
D	GFA as at the end of the year [A+B-C]	5458.58	31200	31200
E	Average GFA [(A+D)/2]	2729.29	18329.29	31200
F	GFA of Fully Depreciated Assets			
G	GFA of Assets out of Govt Grant/Consumer Contribution	0	0	0
H	Free hold Land	0	0	0
I	GFA of Depreciable Assets	5458.58	31200	31200





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Sl. No.	Particulars	23-24	24-25	25-26
J	Depreciation on New Asses added from 01-04-22 @ 5.28%	144.11	967.79	1647.36

4.15.5 DVC is directed to submit APR petition with details in line with the Tariff Regulations along with the Asset Register Summary duly certified by the Statutory Auditor as per Annexure – 10 of the said regulations.

4.16 **Interest on capital borrowing for 11 kV distribution assets in West Bengal**

4.16.1 DVC has projected interest of Rs 144.65 lakh in 2023-24, Rs 1043.62 lakh in 2024-25 and Rs 1694.31 lakh in 2025-26 in Form 1.20(b) for Interest on Capital Expenditure of Distribution Assets in West Bengal considering weighted average rate of interest at 8% for all the years of the control period.

4.16.2 Commission proceeds to determine the admissible Interest on Capital Loans in line with regulation 5.6.4.1 & 5.6.4.2 of the Tariff regulations considering rate of interest at 8% as claimed by DVC in Form 1.20(b) as following:

**Table – 4.16.2: Interest on Capital Loan (Rs lakh)**

Sl. No.	Particulars	Derivation	23 - 24	24 - 25	25 - 26
1	Approved GFA at the beginning of the year (excluding Fixed Asset out of grant, deposit work, contributions)	A	0.00	5458.58	31200.00
2	Admissible Equity Base at the beginning of year	B	0.00	1637.57	9360.00
3	<b>Opening Gross Normative Loan</b>	<b>C = A – B</b>	0.00	3821.01	21840.00
4	Cumulative depreciation and AAD, if any upto previous year	D	0.00	144.11	1111.90
5	<b>Opening balance of Net Normative Loan</b>	<b>E = C – D</b>	0.00	3676.90	20728.10
6	Net addition to the original cost of fixed assets during the year other than asset created under regulation 5.15.1.(iv)	F	5458.58	25741.42	0.00
7	a) Actual addition of equity during the year	G	1637.57	7722.43	0.00





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Sl. No.	Particulars	Derivation	23 - 24	24 - 25	25 - 26
	b) Add. 70% of total Sale proceeds invested in creating Asset under regulation 5.15.1.(iv)	H	0.00	0.00	0.00
8	Addition to Capital Loan for the year for assets put into use	$I = F - G + H$	3821.01	18018.99	0.00
9	Depreciation during the year	J	144.11	967.79	1647.36
10	<b>Closing balance of Net Normative Loan</b>	$K = E + I - J$	3676.90	20728.10	19080.74
11	Average balance of Net Normative Loan	$L = (E + K) / 2$	1838.45	12202.50	19904.42
12	Weighted average rate of interest of actual loan	M in %	8%	8%	8%
13	Admitted interest on Capital Loan	$N = L \times M$	<b>147.08</b>	<b>976.20</b>	<b>1592.35</b>

4.16.3 This Commission admits the Interest on Capital Loans as determined above for the years 2023 – 24, 2024 – 25 and 2025 – 26.

**4.17 Operation and Maintenance (O&M) Expenses:**

4.17.1 DVC has projected Rs 3569.96 lakh in 2023 – 24, Rs 4534.62 lakh in 2024 – 25 and Rs 4693.33 lakh in 2025 – 26 as Expenditure - Distribution of Energy in Form 1.15 of the tariff petition without any break up. DVC has stated in the Form that Repair & Maintenance, Employee Cost etc have been projected based on CERC normative rate and detail Break-Up will be submitted in the APR petition when the actual data will be available.

4.17.2 O&M expenses of own generating stations and composite T&D network of DVC is considered by CERC in respective tariff orders which are already taken as input costs for distribution business of DVC in its command area. The employee cost, Repair & Maintenance (R&M) expenses and Administrative & General (A&G) expenses for 11 kV distribution system in West Bengal to be created by DVC are dealt with in terms of Tariff Regulations of this Commission.

4.17.3 In terms of regulation 5.7.4.1 of Tariff Regulations of this Commission, O&M expenses for Distribution Business of a licensee shall comprise of Repair & Maintenance expenses and Administrative & General expenses. The Repair & Maintenance (R&M) expenses and





Administrative & General (A&G) expenses for 11 kV distribution system in West Bengal to be created by DVC are dealt with in paragraphs 4.18 and 4.19.

#### 4.18 Repairs & Maintenance for 11 kV distribution assets in West Bengal

4.18.1 As already explained in paragraph 4.17.2 of this order, the O&M expenses related to distribution assets to be created should be considered in terms of WBERC Tariff Regulations.

4.18.2 This Commission computes the admissible Repair & Maintenance (R & M) expenses for 11 kV Distribution assets in West Bengal as below in terms of WBERC Tariff Regulations considering the Gross Fixed Assets (GFA), the additions and retirements for the year 2023-24, 2024-25 & 2025-26 as admitted in preceding paragraphs:

**Table – 4.18.2: Repair & Maintenance expense for 11 kV Distribution assets in West Bengal (Rs lakh)**

Particulars	Derivation	2023-24	2024-25	2025-26
GFA opening	A	0.00	5458.58	31200.00
Add: GFA Added during the year	B	5458.58	25741.42	0.00
Less: retired during the year	C	0.00	0.00	0.00
GFA Closing	D=A+B-C	5458.58	31200.00	31200.00
Net Asset Addition	E	5458.58	25741.42	0.00
GFA considered for R&M	F=A+E/2	2729.29	18329.29	31200.00
Norms	G	1.97%	2.05%	2.12%
<b>Normative R&amp;M</b>	<b>H=F x G</b>	<b>53.77</b>	<b>375.75</b>	<b>661.44</b>

#### 4.19 Administrative & General Expenses for 11 kV distribution assets in West Bengal

4.19.1 DVC has not provided any break up for Administrative & General (A&G) Expenses for 11 kV distribution assets in West Bengal and stated that Repair & Maintenance, Employee Cost etc has been projected based on CERC normative rate and detail Break-Up will be submitted in the APR petition when the actual data will be available.

4.19.2 In terms of regulation 5.7.4.1(ii) of Tariff Regulations of this Commission, A&G expenses





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for base year shall be computed considering the average of last 5 years, preceding to base year, trued up figures duly normalized after applying hybrid inflation index considering 60% wholesale price index (WPI) and 40% consumer price index (CPI) notified by the Government of India. To compute the A&G expenses for the ensuing years of the control period, derived figure for base year will be escalated by average hybrid index of last 5 years as per the formula given in the regulation.

- 4.19.3 Since the 11kV distribution system in West Bengal is a new asset, there is no A&G expenses for base year or preceding to base year. However, A&G Expenses being Controllable in terms of regulation 2.5.5.2 of Tariff Regulations, this Commission finds it prudent to determine the admissible expense under this head in tariff determination stage. In the tariff order of WBSEDCL for the 8<sup>th</sup> control period, the admitted A&G expenses for distribution for the years 2023 – 24, 2024 – 25 and 2025 – 26 are 44.75%, 43.16% and 41.49% of R&M expenses respectively. Thus, this Commission admits A&G expenses for 11 kV distribution assets of DVC in West Bengal at 43.13% (average of 44.75%, 43.16% and 41.49%) of admitted R&M expense for 11 kV distribution assets of DVC in West Bengal as follows:

**Table – 4.19.3: Admitted A&G expenses for 11 kV distribution assets of DVC in West Bengal**

(Rs lakh)

Particulars	2023-24	2024-25	2025-26
Admitted R&M expenses of DVC for 11 kV distribution assets of DVC in West Bengal	53.77	375.75	661.44
Admitted A&G expenses of DVC for 11 kV distribution assets of DVC in West Bengal [43.13% of above]	23.19	162.07	285.30

However, this Commission will review the A&G expenses for 11 kV distribution assets in West Bengal during APR of respective years based on prudence.

**4.20 Employee cost for 11 kV Distribution assets in West Bengal**





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4.20.1 Employee cost related to the existing composite T&D system of DVC has already been considered in the transmission tariff of DVC as per tariff order for 2023 – 24 determined by CERC. DVC has not mentioned whether separate man power will be deployed for operation and maintenance of the distribution assets to be created. DVC has not submitted any employee cost separately for this distribution network to be created by them.

4.20.2 In absence of any details in relevant regulatory Form, this Commission does not admit any amount under this head. However, this Commission will consider such cost during truing-up of respective years subject to submission of concerned regulatory forms along with auditor's certificate on employee cost for the employees exclusively engaged in 11 kV Distribution system of DVC in West Bengal and not considered in the tariff determined by CERC for the composite T&D system of DVC for the respective years.

**4.21 Legal charges and Consultancy fees:**

4.21.1 Legal charges and Consultancy fees of Rs 694.49 lakh, Rs. 708.38 lakh and Rs. 722.54 lakh for 2023 – 24, 2024 – 25 and 2025 – 26 respectively have been projected 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. 381.93 lakh, Rs. 391.90 lakh and Rs. 400.89 lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively.

4.21.2 This Commission has admitted Rs. 277.27 lakh under this head for the entire DVC command area in the APR order for the year 2019 – 20 before applying state ratio. The same for the years 2023 – 24, 2024 – 25 and 2025 – 26 are estimated, considering hybrid inflation rate on Rs. 277.27 as shown in following table:

**Table – 4.21.2: Legal charges for the entire DVC command area (Rs lakh)**

Financial Year	CPI-IW	WPI	Combined WPI & CPI-IW (60: 40)	Legal Charge of previous year	Legal Charge
(A)	(B)	(C)	(D)	(E)	$F=Cx(1+D\%)$





*Tariff Order of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26*

Financial Year	CPI-IW	WPI	Combined WPI & CPI-IW (60: 40)	Legal Charge of previous year	Legal Charge
2020-21	5.00	1.30	2.78	277.27	284.98
2021-22	5.10	13.00	9.84	284.98	313.02
2022-23	6.10	9.40	8.08	313.02	338.31
2023-24			8.08	338.31	<b>365.65</b>
2024-25			8.08	365.65	<b>395.19</b>
2025-26			8.08	395.19	<b>427.12</b>

Note:

(1) All India CPI-IW (Consumer Price Index for Industrial Worker) and all India WPI (Wholesale Price Index-All commodities) of previous and base years in Y-O-Y change in per cent are considered as per Annual Report of Reserve Bank of India for the year 2022 – 23.

(2) The figure of 2022 – 23 is continued for ensuing years.

- 4.21.3 This Commission admits the legal charges as estimated above for entire command area of DVC in Jharkhand and West Bengal and proportionate the same for West Bengal area in proportion to sales ratio in the state of West Bengal and Jharkhand as follows:

**Table – 4.21.3: Legal charges for the West Bengal command area of DVC**

Particulars	Derivation	Unit	23-24	24-25	25-26
Legal Charges for distribution activity for consumers of DVC	A	Lakh	365.65	395.19	427.12
Share of sale in West Bengal against the total consumer sale of DVC in their command area (%)	B	%	54.994	55.323	55.483
Legal Charges for distribution activity for consumers of DVC in WB part	$C = A \times B / 100$	Lakh	<b>201.09</b>	<b>218.63</b>	<b>236.98</b>

- 4.21.4 The legal charges admitted in this tariff order for West Bengal command area of DVC is subject to truing up in APR. 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.

**4.22 Non-Tariff Income**





*Tariff Order of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26*

- 4.22.1 DVC has stated that the Delayed Payment Surcharge (DPS) on account of firm consumers only has been considered as the Non-Tariff Income in the instant petition at 1% of the total ARR as per the past trend on a projection basis. Rs. 7042.79 lakh, Rs. 7672.46 lakh and Rs. 8011.81 lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively have been projected 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. 3873.08 lakh, Rs. 4244.65 lakh and Rs. 4445.17 lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively.
- 4.22.2 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 just ground, this Commission considers 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 APR petition.
- 4.22.3 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 is Rs. 3873.08 lakh, Rs. 4244.65 lakh and Rs. 4445.17 lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively. The petitioner will submit Auditor's certificate on Late Payment Surcharge (LPS) from consumers of West Bengal part of DVC only in APR petition for the years 2023 – 24, 2024 – 25 and 2025 – 26 for examination by the Commission.
- 4.22.4 In the APR petition for the years 2023 – 24, 2024 – 25 and 2025 – 26, DVC shall submit clarification against each element of Other income of power business of Audited Annual Accounts for the years 2023 – 24, 2024 – 25 and 2025 – 26 which are excluded by them from Non-Tariff Income in the APR petition. This Commission will decide after examination





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of such evidences as per provisions in the regulation.

**4.23 Interest on Working Capital:**

- 4.23.1 DVC has projected interest on working capital on power purchase cost for West Bengal command area of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26 at Rs. 1158.90 lakh, Rs. 1717.77 lakh and Rs. 1973.85 lakh respectively.
- 4.23.2 This Commission in the fourth amendment of Tariff Regulations has specified the normative working capital requirement in regulations 5.6.5.
- 4.23.3 As per regulation 5.6.5.3 (b) of the Tariff Regulations, interest on working capital shall be allowed at a rate equal to the MCLR or any redefined term thereof by SBI from time to time being in effect applicable for one-year period, as prevalent on 1st April of the financial year in which the Petition is filed plus 250 basis points. DVC has submitted the instant MYT petition on 06.02.2023. Thus, interest on working capital is calculated by this Commission with simple interest rate of 9.50% (= SBI MCLR rate as on 01.04.2022 + 250 basis point) for the years 2023 – 24, 2024 – 25 and 2025 – 26.
- 4.23.4 Accordingly, this Commission admits the following interest on Working Capital for the Command area of West Bengal subject to truing up in the subsequent period:

**Table – 4.23.4: Interest on Working Capital**

		(Rs Lakh)		
Sl. No.	Particulars	2023-24	2024-25	2025-26
1	O&M expense for 1 month	6.41	44.82	78.90
2	Employee cost for 1 month	0.00	0.00	0.00
3	Maintenance spare 15% of O&M expense	0.96	6.72	11.84
4	Receivables equivalent to 45 days [#]	65659.77	70159.61	73117.58
	Sub-total (1 to 4)	65667.14	70211.15	73208.32
5	Less: Cash security deposit	18722.89	19537.37	20387.27
6	Working Capital Requirement	46944.25	50673.78	52821.05
7	Rate of interest [SBI 1Y MCLR + 250 Basis point]	9.50%	9.50%	9.50%
8	Interest on working capital (6 x 7)	4459.70	4814.01	5018.00
<b>Note:</b> # Net ARR including IWC x 45 / 366 for 23 – 24 and 365 for 24 – 25 and 25 – 26				





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*Tariff Order of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26*

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- 4.23.5 The working capital requirement will be recalculated during truing up in terms of second proviso of clause (a) of regulation 5.6.5.3 of the Tariff Regulations.





Tariff Order of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26

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## Annexure – 4A

### Fixed charges of own generating stations of DVC for sale to consumers including other licensees for the year 2023 – 24

Sl. No	Name of the generating Station	Normative Availability (%)	Admitted Availability (%)	AFC in CERC Order (Rs Lakh)	Recoverable AFC as per CERC (Rs Lakh)	Ash Evacuation Expense (Rs lakh)	Share of Ex-Bus Energy for sale to own consumer (MU)	Recoverable AFC and Ash expense for consumers of DVC (Rs Lakh)
A	B	C	D	E	F*	G	H	I*
1	MTPS U#1 to 3	85	85	45095.37	45095.37	1290.9	100.00%	46386.27
2	MTPS U# 4	85	85	14668.40	14668.4	419.88	100.00%	15088.28
3	HYDEL	80	80	9517.94	9517.94		100.00%	9517.94
4	MTPS U# 5 & 6	85	85	38764.15	38764.15	1317.55	65.33%	26185.37
5	MTPS U# 7 & 8	85	85	102779.60	102779.6	2514.16	7.99%	8412.97
6	CTPS U# 7 & 8	85	85	54931.62	54931.62	1652.56	4.33%	2450.09
7	DSTPS U # 1 & 2	85	85	105691.72	105691.72	137.28	65.62%	69444.99
8	KTPS U# 1 & 2	85	85	113403.80	113403.8	1197.32	4.69%	5374.79
9	BTPS 'A'	85	85	72427.46	72427.46	405.03	56.25%	40968.28
10	RTPS U # 1&2	85	85	133948.32	133948.32	0	42.55%	56995.01
11	TOTAL				691228.38			280823.99

Note (\*):  $F = \text{Min} (E, E \times D / C)$ ,  $I = (F + G) \times H$





Tariff Order of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26

## Annexure – 4B

### Fixed charges of own generating stations of DVC for sale to consumers including other licensees for the year 2024 – 25

Sl. No	Name of the generating Station	Normative Availability (%)	Admitted Availability (%)	AFC in CERC Order (Rs Lakh)	Recoverable AFC as per CERC (Rs Lakh)	Ash Evacuation Expense (Rs lakh)	Share of Ex-Bus Energy for sale to own consumer (MU)	Recoverable AFC and Ash expense for consumers of DVC (Rs Lakh)
A	B	C	D	E	F*	G	H	I*
1	MTPS U#1 to 3	85	85	45095.37	45095.37	1290.9	100.00%	46386.27
2	MTPS U# 4	85	85	14668.40	14668.4	419.88	100.00%	15088.28
3	HYDEL	80	80	9517.94	9517.94	0	100.00%	9517.94
4	MTPS U# 5 & 6	85	85	38764.15	38764.15	1317.55	66.50%	26654.33
5	MTPS U# 7 & 8	85	85	102779.60	102779.6	2514.16	21.03%	22143.28
6	CTPS U# 7 & 8	85	85	54931.62	54931.62	1652.56	8.06%	4560.68
7	DSTPS U# 1 & 2	85	85	105691.72	105691.72	137.28	66.50%	70376.29
8	KTPS U# 1 & 2	85	85	113403.80	113403.8	1197.32	4.75%	5443.55
9	BTPS 'A'	85	85	72427.46	72427.46	405.03	57.00%	41514.52
10	RTPS U# 1&2	85	85	133948.32	133948.32	0	43.72%	58562.21
11	TOTAL				691228.38			300247.35

Note (\*):  $F = \text{Min} (E, E \times D / C), I = (F + G) \times H$





Tariff Order of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26

## Annexure – 4C

### Fixed charges of own generating stations of DVC for sale to consumers including other licensees for the year 2025 – 26

Sl. No	Name of the generating Station	Normative Availability (%)	Admitted Availability (%)	AFC in CERC Order (Rs Lakh)	Recoverable AFC as per CERC (Rs Lakh)	Ash Evacuation Expense (Rs lakh)	Share of Ex-Bus Energy for sale to own consumer (MU)	Recoverable AFC and Ash expense for consumers of DVC (Rs Lakh)
A	B	C	D	E	F*	G	H	I*
1	MTPS U#1 to 3	85	85	45095.37	45095.37	1290.90	100.00%	46386.27
2	MTPS U# 4	85	85	14668.40	14668.40	419.88	100.00%	15088.28
3	HYDEL	80	80	9517.94	9517.94	0.00	100.00%	9517.94
4	MTPS U# 5 & 6	85	85	38764.15	38764.15	1317.55	66.50%	26654.33
5	MTPS U# 7 & 8	85	85	102779.60	102779.60	2514.16	20.63%	21722.10
6	CTPS U# 7 & 8	85	85	54931.62	54931.62	1652.56	21.81%	12341.01
7	DSTPS U# 1 & 2	85	85	105691.72	105691.72	137.28	66.50%	70376.29
8	KTPS U# 1 & 2	85	85	113403.80	113403.80	1197.32	4.75%	5443.55
9	BTPS 'A'	85	85	72427.46	72427.46	405.03	57.00%	41514.52
10	RTPS U# 1&2	85	85	133948.32	133948.32	0.00	43.72%	58562.21
11	TOTAL				691228.38			307606.50

Note(\*): F = Min (E, E x D / C), I = (F + G) x H





Tariff Order of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26

Annexure – 4D

Cost of power purchase for consumers in West Bengal for the year 2023 – 24

Agency	Gross Purchased Energy	Net Purchased Energy	Capacity Charge	Energy Charge	Others	Total Purchase Cost
<b>NHPC</b>	MU	MU	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)
Rangit	32.17	31.08	617.2	612.84		1230.04
Teesta	234.13	226.22	1892.07	1905.12		3797.19
<b>NTPC</b>						
Talcher	13.84	13.37	131.76	269.27	13.84	414.87
Solar Power(NTPC REL)	0.00	0.00				0.00
Solar Power(VVNL)	29.64	28.74		3089.31		3089.31
Solar Power(Talcher,Uchhar)	28.49	28.49		2664.13		2664.13
<b>PTC power from Bhutan</b>						
Chukha (PTC)	193.55	187.02		4648.52		4648.52
Kurichu (PTC)	28.36	27.40		616.10		616.10
Tala (PTC)	154.14	148.94		3330.35		3330.35
<b>MPL</b>	1047.09	1011.73	15346.57	29030.57	770.38	45147.52
Power Exchange (PTC Thermal)	0.00	0.00				
Power Exchange (IEX, PXIL)	100.00	99.66		5213.30		5213.30
Non Solar (GTAM/GDAM)	300.00	300.00		16930.50		16930.50
Solar (GTAM/GDAM)	250.00	250.00		14108.75		14108.75
Solar (SECI)	294.36	294.36		11774.40		11774.40
Rooftop Solar	3.48	3.48		115.19		115.19
REC					17526.23	17526.23
Past period adjustment						0.00
Total Purchase cost including RE	<b>2709.25</b>	<b>2650.49</b>				<b>130606.40</b>
Total Purchase cost excluding RE	<b>1803.28</b>	<b>1745.42</b>				<b>64397.89</b>

Power Purchase Cost excluding cost of RE for DVC (Rs Lakh)	A	64397.89
Percentage of share for sale in West Bengal (%)	B	54.994
Power Purchase Cost excluding cost of RE for Share of sale in West Bengal (Rs Lakh)	C=A x B	35414.98
Net Power Purchase for sale in DVC (MU) from Energy Balance	D	2650.49
Net Power Purchase for Share of sale in West Bengal (MU) from Energy Balance	E=B x D	1457.61
Admissible power purchase through DSM in West Bengal (MU)	F	0.00
Corresponding Admissible power purchase cost though DSM for sale in WB (Rs Lakh)	G	0
<b>Admitted total cost of power purchase excluding RE for sale in West Bengal (Rs Lakh)</b>	<b>H=C + G</b>	<b>35414.98</b>





Tariff Order of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26

Annexure – 4E

Cost of power purchase for consumers in West Bengal for the year 2024 – 25

Agency	Gross Purchased Energy	Net Purchased Energy	Capacity Charge	Energy Charge	Others	Total Purchase Cost
	MU	MU	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)
<b>NHPC</b>						
Rangit	32.06	30.98	635.47	610.74		1246.21
Teesta	234.85	226.92	1926.80	1942.41		3869.21
<b>NTPC</b>						
Talcher	13.84	13.37	138.30	272.69	13.84	424.83
Solar Power (NTPC REL)	87.60	87.60		2146.20		2146.20
Solar Power (VVNL)	29.44	28.55		3073.64		3073.64
Solar Power (Talcher, Uchhar)	28.59	28.59		2673.48		2673.48
<b>PTC power from Bhutan</b>						
Chukha	197.29	190.63		4738.34		4738.34
Kurichu	26.33	25.44		571.86		571.86
Tala	155.28	150.04		3354.92		3354.92
<b>MPL</b>	1047.09	1011.73	15346.57	29399.15	582.49	45328.21
PTC Thermal	0.00	0.00		0.00		0.00
Power Exchange (IEX, PXIL)	50.00	49.83		2606.65		2606.65
Non Solar (GTAM/GDAM)	300.00	300.00		16930.50		16930.50
Solar (GTAM/GDAM)	250.00	250.00		14108.75		14108.75
Solar (SECI)	311.85	311.85		12474.00		12474.00
Rooftop Solar	3.51	3.51		116.18		116.18
REC					17806.13	17806.13
Past period adjustment						0.00
Total Purchase cost including RE	<b>2767.73</b>	<b>2709.04</b>				<b>131469.11</b>
Total Purchase cost excluding RE	<b>1756.74</b>	<b>1698.94</b>				<b>62140.23</b>

Power Purchase Cost excluding cost of RE for DVC (Rs Lakh)	A	62140.23
Percentage of share for sale in West Bengal (%)	B	55.323
Power Purchase Cost excluding cost of RE for Share of sale in West Bengal (Rs Lakh)	C=A x B	34377.84
Net Power Purchase for sale in DVC (MU) from Energy Balance	D	2709.04
Net Power Purchase for Share of sale in West Bengal (MU) from Energy Balance	E=B x D	1498.72
Admissible power purchase in West Bengal through DSM (MU)	F	0.00
Corresponding Admissible power purchase cost through DSM for sale in WB (Rs Lakh)	G	0
<b>Admitted total cost of power purchase excluding RE for sale in West Bengal (Rs Lakh)</b>	<b>H=C + G</b>	<b>34377.84</b>





Tariff Order of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26

Annexure – 4F

Cost of power purchase for consumers in West Bengal for the year 2025 – 26

Agency	Gross Purchased Energy	Net Purchased Energy	Capacity Charge	Energy Charge	Others	Total Purchase Cost
	MU	MU	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)	(Rs Lakh)
<b>NHPC</b>						
Rangit	31.96	30.88	654.39	608.84		1263.23
Teesta	235.56	227.61	1962.04	1980.27		3942.31
<b>NTPC</b>						
Talcher	13.84	13.37	134.90	276.15	13.84	424.89
Solar Power (NTPC REL)	131.40	131.40		3219.30		3219.30
Solar Power (VVNL)	29.24	28.35		3057.91		3057.91
Solar Power (Talcher, Uchhar)	28.69	28.69		2682.84		2682.84
<b>PTC power from Bhutan</b>						
Chukha	201.03	194.24		4828.17		4828.17
Kurichu	24.29	23.47		527.62		527.62
Tala	156.42	151.14		3379.49		3379.49
<b>MPL</b>	1047.09	1011.73	15346.57	29771.91	399.43	45517.91
PTC Thermal	0.00	0.00		0.00		0.00
Power Exchange (IEX, PXIL)	50.00	49.83		2606.65		2606.65
Non Solar (GTAM/GDAM)	300.00	300.00		16930.50		16930.50
Solar (GTAM/GDAM)	250.00	250.00		14108.75		14108.75
Solar (SECI)	329.33	329.33		13173.20		13173.20
Rooftop Solar	3.55	3.55		117.17		117.17
REC					10878.68	10878.68
Past period adjustment						0.00
Total Purchase cost including RE	<b>2832.40</b>	<b>2773.59</b>				<b>126658.62</b>
Total Purchase cost excluding RE	<b>1760.19</b>	<b>1702.27</b>				<b>62490.27</b>

Power Purchase Cost excluding cost of RE for DVC (Rs Lakh)	A	62490.27
Percentage of share for sale in West Bengal (%)	B	55.483
Power Purchase Cost excluding cost of RE for Share of sale in West Bengal (Rs Lakh)	C=A x B	34671.48
Net Power Purchase for sale in DVC (MU) from Energy Balance	D	2773.59
Net Power Purchase for Share of sale in West Bengal (MU) from Energy Balance	E=B x D	1538.87
Admissible power purchase in West Bengal through DSM (MU)	F	0.00
Corresponding Admissible power purchase cost through DSM for sale in WB (Rs Lakh)	G	0
Admitted total cost of power purchase excluding RE for sale in West Bengal (Rs Lakh)	H=C + G	<b>34671.48</b>





## CHAPTER – 5

### SUMMARISED STATEMENT OF AGGREGATE REVENUE REQUIREMENT FOR THE YEARS 2023 – 24, 2024 – 25 AND 2025 – 26 & REVENUE RECOVERABLE THROUGH TARIFF FOR THE YEARS 2023 – 24 AND 2024 – 25

- 5.1 Based on the analyses and findings recorded in the foregoing chapters the statements of Aggregate Revenue Requirement (ARR) for the years 2023 – 24, 2024 – 25 and 2025 – 26 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		
	23-24	24-25	25-26	23-24	24-25	25-26
Power Purchase Cost excluding RE	35323.04	63670.19	79004.28	35414.98	34377.84	34671.48
Generation cost excluding RE	565896.43	582887.74	593099.76	437452.87	473015.79	487165.55
Gen/Purchase of RE and REC	45461.84	47805.61	51388.70	24289.99	21394.89	28192.28
Cess on Generation	45.95	48.53	51.11	8.21	8.81	9.17
Transmission and Power System charges related to power purchase for WB command area	8831.17	17037.65	17422.22	9060.34	9114.55	9140.91
O&M Expenses on ULDC Scheme	35.32	37.30	39.29	0.00	0.00	0.00
Own Transmission and distribution cost	28046.61	29396.89	30198.11	20288.50	20409.88	20468.90
Interest on Temporary Accommodation	3328.09	3515.43	3701.85	0.00	0.00	0.00
Legal Charges	381.92	391.90	400.89	201.09	218.63	236.98
Regulatory fees and publication expenses	379.28	396.59	411.18	234.11	255.59	272.57
Rebate on sale of Power	14085.58	15344.93	16023.62	4869.45	5192.48	5465.46
ROE for 11kV Distribution Assets in WB	135.10	990.00	1709.79	135.10	860.50	1458.99
Depreciation for 11kV	204.70	1500.00	2590.60	144.11	967.79	1647.36





*Tariff Order of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26*

Particulars	Projected			Admitted		
	23-24	24-25	25-26	23-24	24-25	25-26
Distribution Assets in WB						
Interest on loan for 11kV Distribution Assets in WB	144.65	1043.62	1694.31	147.08	976.20	1592.35
R&M Expense for 11kV Distribution Assets in WB	3569.96	4534.62	4693.33	53.77	375.75	661.44
Employee cost for 11kV Distribution Assets in WB				0.00	0.00	0.00
A&G Expense for 11kV Distribution Assets in WB				23.19	162.07	285.30
Interest on Working capital	1158.90	1717.77	1973.85	4459.70	4814.01	5018.00
Interest on security deposit	1123.37	1172.24	1223.24	1123.37	1172.24	1223.24
<b>Gross Total</b>	<b>708151.91</b>	<b>771491.01</b>	<b>805626.12</b>	<b>537905.86</b>	<b>573317.02</b>	<b>597509.98</b>
Less: Non-tariff income	3873.08	4244.65	4445.17	3873.08	4244.65	4445.17
<b>Net ARR for sale to consumers and Licensees in radial mode in West Bengal</b>	<b>704278.82</b>	<b>767246.36</b>	<b>801180.95</b>	<b>534032.78</b>	<b>569072.37</b>	<b>593064.81</b>

**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) for the years 2023 – 24, 2024 – 25 and 2025 – 26 from Form 2.3 as shown below:

**Table – 5.2.1: Sale to other licensee of West Bengal in radial mode (Rs lakh)**

Sl. No.	Particulars	23 – 24	24 – 25	25 – 26
1	Sale to IPCL in radial mode (Rs lakh)	6126.25	6429.75	6697.91
2	Sale to WBSEDCL in radial mode (Rs lakh)	30692.48	32010.42	33429.75
3	<b>TOTAL</b>	<b>36818.73</b>	<b>38440.17</b>	<b>40127.66</b>

5.2.2 However, this should not be construed by DVC as approval of licensee tariff by the Commission. This Commission 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. 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.

- 5.3 Thus, the net ARR for Sale to consumers in West Bengal excluding Licensees in radial mode comes as follows:

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

(Rs lakh)

Particulars	Admitted		
	23 – 24	24 – 25	25 – 26
Net ARR for sale to consumers and Licensees in radial mode in West Bengal (A)	534032.78	569072.37	593064.81
Sale to IPCL in radial mode (B)	6126.25	6429.75	6697.91
Sale to WBSEDCL in radial mode (C)	30692.48	32010.42	33429.75
Net ARR for Sale to consumers excluding Licensees in radial mode in West Bengal [A – B – C]	<b>497214.05</b>	<b>530632.20</b>	<b>552937.15</b>

- 5.4 In the APR Order dated 31.05.2021 in Case No. APR – 53/15 – 16, recoverable amount for the years 2009 – 10 to 2013 – 14 was determined as Rs 5365.92 lakh and the entire amount was adjusted with the Aggregate Revenue in Tariff Order dated 05.05.2022 for the year 2017 – 18 in Case No. TP – 71/16 – 17. In the APR review order dated 23.11.2022 in Case No. APR(R)-11/21-22, the recoverable amount for the years 2009 – 10 to 2013 – 14 was revised to Rs 10604.97 lakh. This Commission decided in the review order that in terms of regulation 2.6.6 of the Tariff Regulations, 2011, the balance recoverable amount of Rs 5259.33 lakh (Rs 10625.25 lakh – Rs 5365.92 lakh) or a part thereof shall be adjusted with the amount of Aggregate Revenue Requirement for the year 2020 – 21 or that for any other ensuing year or in a separate order, as may be decided by the Commission.
- 5.5 In the APR Order dated 08.06.2023, the recoverable amount for the year 2014 – 15 in Case No. APR – 54/15 – 16 was determined Rs. 3315.83 Lakh, the refundable amount for





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the year 2015 – 16 in Case No. APR – 61/16 – 17 was determined Rs. 4805.39 Lakh and the recoverable amount for the year 2016 – 17 in Case No. APR – 68/18 – 19 was determined Rs.19056.90 Lakh. This Commission in the above mentioned order had decided that in terms of regulation 2.6.6 of the Tariff Regulations, the entire recoverable amount of Rs. 17567.34 lakh (Rs. 3315.83 Lakh – Rs. 4805.39 lakh + Rs.19056.90 Lakh) or a part thereof shall be adjusted with the amount of Aggregate Revenue Requirement for the year 2020 – 2021 or any subsequent year as may be decided by the Commission.

- 5.6 In the APR Order dated 18.09.2023, the recoverable amount for the year 2017 – 18 in Case No. APR – 106/22 – 23 was determined Rs. 78222.58 Lakh. In the said order, this Commission has decided that in terms of regulation 2.6.6 of the Tariff Regulations, the entire recoverable amount of Rs. 78222.58 lakh or a part thereof shall be adjusted with the amount of Aggregate Revenue Requirement for the year 2020 – 2021 or any subsequent year as may be decided by the Commission.
- 5.7 In the APR Order dated 11.12.2023, the recoverable amount for the year 2018 – 19 in Case No. APR – 107/22 – 23 was determined Rs. 41395.33 Lakh. In the said order, this Commission has decided that in terms of regulation 2.6.6 of the Tariff Regulations, the entire recoverable amount of Rs. 41395.33 lakh or a part thereof shall be adjusted with the amount of Aggregate Revenue Requirement for the year 2020 – 2021 or any subsequent year as may be decided by the Commission.
- 5.8 In the APR Order dated 11.01.2024, the recoverable amount for the year 2019 – 20 in Case No. APR – 108/22 – 23 was determined Rs. 61092.57 Lakh. In the said order, this Commission has decided that in terms of regulation 2.6.6 of the Tariff Regulations, the entire recoverable amount of Rs. 61092.57 lakh or a part thereof shall be adjusted with the amount of Aggregate Revenue Requirement on any subsequent year or through a separate order as may be decided by this Commission.
- 5.9 Thus, the total recoverable amount by DVC as on 11.01.2024 becomes Rs. 203537.15 Lakh as below:

**Table – 5.9: APR Adjustments recoverable amount by DVC**

The West Bengal Electricity Regulatory Commission





*Tariff Order of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26*

(Rs lakh)

Particulars	Total Recoverable/ Refundable in APR
Balance Revenue Gap of for the years 2009-10 to 2013-14	5259.33
Revenue Gap of for the year 2014-15	3315.83
Revenue Surplus of for the year 2015-16	-4805.39
Revenue Gap of for the year 2016-17	19056.9
Revenue Gap of for the year 2017-18	78222.58
Revenue Gap of for the year 2018-19	41395.33
Revenue Gap of for the year 2019-20	61092.57
<b>TOTAL</b>	<b>203537.15</b>

5.10 Now, this Commission decides to adjust recoverable of Rs. 37884.25 lakh and Rs. 53860.00 lakh out of Rs. 203537.15 lakh, with the net ARR of ensuing year 2023 – 24 and 2024 – 25 respectively of the eighth control period in terms of regulation 2.5.3(i) of the Tariff Regulations to avoid tariff shock. The balance recoverable amount will be adjusted in subsequent tariff order or any subsequent order as the case may be in terms of regulation 2.6.6 of the Tariff Regulations.

5.11 In terms of clause (iv) of regulation 2.6.6 of the Tariff Regulations, carrying cost is calculated with simple interest rate of 9.50% (= SBI MCLR rate as on 01.04.2022 + 250 basis point) as below:

**Table – 5.11: Carrying Cost**

Particulars	Unit	2023 – 24	2024 – 25
Revenue Gap adjusted (A)	Rs Lakh	37884.25	53860.00
Interest computed upto		31-03-2024	30-09-2024
Duration of Carrying cost from 01.04.23 ( C )	Year	1.00	1.50
SBI 1Y MCLR (D)	%	7.00%	7.00%
SBI 1Y MCLR +250 Basis Point ( E )	%	9.50%	9.50%
<b>Carrying Cost [A x C x E]</b>	Rs Lakh	<b>3599.00</b>	<b>7675.05</b>

5.12 This Commission now works out the revenue to be recovered through tariff for the years 2023 – 24 and the same is shown in the table below:





*Tariff Order of DVC for the years 2023 – 24, 2024 – 25 and 2025 – 26*

**Table – 5.12: Revenue to be recovered through tariff and average tariff**

(Rs lakh)

Sl. No.	Particulars	2023 – 24	2024 – 25
A	Net ARR for Sale to consumers excluding Licensees in radial mode in West Bengal	497214.05	530632.20
B	APR adjustment	37884.25	53860.00
C	Carrying Cost	3599.00	7675.05
D	Total Regulatory Asset including Carrying Cost [B+C]	41483.25	61535.05
E	ARR with revenue-gap [A + D]	538697.30	592167.25
F	Sale to consumers excluding Licensees in radial mode in West Bengal (MU)	10594.06	11311.83
G	Average Tariff (Rs/kWh) [E / F]	<b>5.0849</b>	<b>5.2349</b>

- 5.13 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 2023 – 24 and 2024 – 25 is provided in next chapter of this order.





## CHAPTER – 6

### TARIFF ORDER FOR 2023 – 24 AND 2024 – 25

6.1 In the previous chapter, the Commission, in accordance with the Tariff Regulations, has determined for DVC the revenue recoverable through tariff during 2023 – 24, 2024 – 25 and 2025 – 26 and the average tariff for the consumers of DVC in the State of West Bengal for 2023 – 24 and 2024 – 25 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 2023 – 24 and 2024 – 25. 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 2023 – 24

6.2.1 From the analysis made in previous chapter, the average tariff for consumers of DVC in West Bengal area for 2023 – 24 comes to Rs. 5.0849 per kWh, after adjustment of part regulatory assets. For the year 2023 – 24, this Commission finds it prudent to continue the tariff schedule of 2019 – 20 based on average tariff of Rs 5.0849 per kWh which was continued for 2020-21, 2021-22 and 2002-23 also. Accordingly, the Tariff schedule for 2023 – 24 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 2022 – 2023 shall continue during the year 2023 – 24.

6.2.3 All the rates and conditions of tariff mentioned above for the year 2023-24 are effective from 1<sup>st</sup> April 2023.

#### 6.3 Tariff schedule and conditions of Tariff for consumers of DVC during 2024 – 25

6.3.1 From the analysis made in previous chapter, the average tariff for consumers of DVC in West Bengal area for 2024 – 25 comes to Rs. 5.2349 per kWh, after adjustment of part





## *Tariff Order of DVC for the years 2023 – 24 and 2024 – 25*

regulatory assets. Accordingly, the Tariff schedule for 2024 – 25 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 and Annexure C2 of the Tariff Regulations. Other associated conditions of the tariff as per tariff order for the year 2023 – 2024 shall continue during the year 2024 – 25.

6.3.3 For availing load factor rebate the consumer has to make its payment within due date. From the date of issuance of this order, the licensee has to ensure that the power factor rebate is applicable to the consumers who make their payments within due date.

6.3.4 All the rates and conditions of tariff mentioned above for the year 2024-25 are effective from 01.04.2024 and continue till further order of the Commission.

### **6.4 Green Tariff**

6.4.1 In view of the Green Open Access Rules and 'Go Green' initiatives taken up by the Government, the Commission, in order to promote renewables, in the tariff order for 2022-23 has already introduced 'Green Tariff' 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. These green tariff shall also applicable in the tariff order for 2023 – 24 and 2024 – 25 and shall continue till further order of the Commission.

6.4.2 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.





**6.5 Promotional tariff for Electric Vehicle charging stations**

- 6.5.1 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 for EV charging stations will be applicable in this tariff order for 2023 – 24 and 2024 – 25 and shall continue till further order of the Commission.
- 6.5.2 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 6.4 above.
- 6.6 The rates mentioned in Annexure 6A1, 6A2, 6B1 and 6B2 of this order exclude the Monthly Variable Cost Adjustment (MVCA), if any, realized / to be realized by DVC.
- 6.7 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 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 stations for the period 2019 – 2024 and/or 2024 – 2029. The MVCA realized by DVC from 1st April, 2023 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.
- 6.8 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.
- 6.9 On prayer of DVC to approve the rate of purchase of power by WBSEDCL and IPCL from





*Tariff Order of DVC for the years 2023 – 24 and 2024 – 25*

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.

- 6.10 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, whether it shall give any subsidy to any group of consumers etc.
- 6.11 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.
- 6.12 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.
- 6.13 DVC shall present to this Commission a gist of this order in accordance with regulation 2.9.6 of the Tariff Regulation within 3 (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 4 (four) working days from the date of receipt of the approval of the Commission.





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





Optional tariff Scheme																
Optional Tariff Scheme - I																
Optional Tariff Scheme - II																
Sl No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	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- Ptp)	Prepaid- TOD	06.00 hrs to 17.00 hrs 17.00 hrs to 23.00 hrs. 23.00 hrs to 06.00 hrs	533 786 320	50										
6.	Short Term Irrigation Supply	Rate C (stppt)	Prepaid- TOD	06.00 hrs to 17.00 hrs 17.00 hrs to 23.00 hrs. 23.00 hrs to 06.00 hrs	498 961 326	30										
7.	Short Term supply for Commercial Plantation	Rate A (Cm- StPtp)	Pre-paid TOD	06.00 hrs to 17.00 hrs 17.00 hrs to 23.00 hrs. 23.00 hrs to 06.00 hrs	543 1047 352	50										
8.	Short-term Supply	Rate STLT	Prepaid - TOD	06.00 hrs to 17.00 hrs 17.00 hrs to 23.00 hrs. 23.00 hrs to 06.00 hrs	553 608 514	50										





Sl No	Applicable Tariff Scheme					Optional Tariff Scheme				
	Type of Consumer	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I			
							Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh
9.	Government School, Government aided School or Government Sponsored School	Rate GS(L)	Normal	On all Units	493	25	Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
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	All Units
11.	Cottage Industry / Artisan / Weavers / Small production oriented establishment not run by electricity as motive power	Rate CL(ii)	Normal	All Units	513	30	Rate Cppt (L) (li)	Prepaid - TOD	06.00 hrs - 17.00 hrs	All Units
							Rate PUppt (LT)	Prepaid TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units
							Rate GS(LT)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All





Optional tariff Scheme														
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Annexure -6A1



SI No		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 17.00 hrs to 20.00 hrs 23.00 hrs to 06.00 hrs	503 704 330	50	Not Applicable						
14.	Industry	Rate I(L)	Normal	All Units	523	50	Rate I(L)	Normal - TOD	06.00 hrs to 17.00 hrs 17.00 hrs to 23.00 hrs 23.00 hrs to 06.00 hrs	513 718 339	50	Not Applicable						
15.	Street Lighting	Rate D(1)	Normal	On all Units	502	50	Not Applicable											
16.	Street Lighting with LED	Rate D(6)	Normal	On all Units	463	50	Not Applicable											
17.	Private Educational Institutions and Hospitals	Rate S (L)	Normal	On all Units	532	50	Rate St (L)	Normal TOD	06.00 hrs to 17.00 hrs 17.00 hrs to 23.00 hrs 23.00 hrs to 06.00 hrs	522 574 485	50	Not Applicable						
18.	Emergency Supply	Rate D (2)	Prepaid-TOD	06.00 hrs to 17.00 hrs 17.00 hrs to 23.00 hrs 23.00 hrs to 06.00 hrs	583 816 385	50	Not Applicable										Not Applicable	





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

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



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



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6A2



Optional Tariff Scheme																		
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)			
					Summer	Monsoon	Winter					Summer	Monsoon	Winter				
5.	Industries (220 KV and above)	Rate I-4 (H)	Normal	All Units		447	445	443				Rate I-4 (Ht)	TOD	06.00 hrs-17.00 hrs	437	435	433	384.
														17.00 hrs-23.00 hrs	524	522	520	
														23.00 hrs-06.00 hrs	371	370	368	
6.	Community Irrigation/ Irrigation	Rate AI (H)	Normal - TOD	All Units	06.00 hrs-17.00 hrs	487	483	479										
					17.00 hrs-23.00 hrs	973	965	957										
					06.00 hrs-23.00 hrs	293	290	288										
7.	Commercial Plantation	Rate S (cp)	Normal - TOD	All Units	06.00 hrs-17.00 hrs	502	499	497										
					17.00 hrs-23.00 hrs	703	698	696										
					23.00 hrs-06.00 hrs	331	329	328										
8.	Short Term Irrigation Supply	Rate S (stis)	Normal - TOD	All Units	06.00 hrs-17.00 hrs	502	497	492										
					17.00 hrs-23.00 hrs	672	662	652										
					23.00 hrs-06.00 hrs	301	298	295										
9.	Short Term Supply for Commercial Plantation	Rate S (stcp)	Normal - TOD	All Units	06.00 hrs-17.00 hrs	512	510	508										
					17.00 hrs-23.00 hrs	717	714	711										
					23.00 hrs-06.00 hrs	307	306	305										



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6A2



Optional Tariff Scheme															
Type of Consumer		Applicable Tariff Scheme							Optional Tariff Scheme						
Sl No	Consumer	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/ month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/ month)
					P/kWh							P/kWh			
					Summer	Monsoon	Winter					Summer	Monsoon	Winter	
10.	Commercial	Rate C (H)	Normal	All Units	497	494	491	384	Rate C (Ht)	Normal - TOD	All Units	487	482	477	384
11.	Domestic	Rate D (H)	Normal	All Units	522	519	516	60	Rate D (Ht)	Normal - TOD	All Units	563	557	550	60
12.	Public Water Works & Sewerage	Rate PWV (H)	Normal	All Units	477	473	469	384	Rate PWV(Ht)	Normal - TOD	All Units	467	462	457	384
13.	Sports Complex & Auditorium run by Govt./ local bodies for cultural affairs	Rate S (c)	Normal	All Units	522	512	502	60	Not Applicable						
14.	Cold storage or Dairy with Chilling Plant	Rate S (pi)	Normal	All Units	487	482	477	384	Rate S (pit)	Normal - TOD	All Units	477	471	465	384
											All Units	572	565	558	
											All Units	405	400	395	



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6A2



Optional Tariff Scheme																			
SI No	Type of Consumer	Applicable Tariff Scheme							Optional Tariff Scheme										
		Customer category	Name of the Tariff Scheme	Consumption per month in KWH			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)		
15.	Emergency Supply	Rate E (em)	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	All Units All Units All Units	581 813 384	579 811 383	577 808 381	384	Not Applicable									
16.	Construction Power Supply	Rate E (con)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs 17.00 hrs-20.00 hrs 23.00 hrs-06.00 hrs	All Units All Units All Units	529 740 489	527 738 487	525 735 485	384	Not Applicable									
17.	Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises	Rate S (co)	Normal	All Units		517	513	509	60	Rate S (co)	Normal - TOD	06.00 hrs-17.00 hrs 17.00 hrs-23.00 hrs 23.00 hrs-06.00 hrs	All Units All Units All Units	507 558 519	502 552 513	497 547 508	60		



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6A2



Type of Consumer		Applicable Tariff Scheme							Optional Tariff Scheme						
SI No		Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/ month	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/ month
					P/kWh							P/kWh			
					Summer	Monsoon	Winter					Summer	Monsoon	Winter	
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					Not Applicable			
				23.00 hrs- 06.00 hrs All Units	400	308	306					Not Applicable			
19.	Traction	Rate T	Normal	All Units	463	461	458	384							
20.	Short-term Supply	Rate S (ST)	Normal - TOD	06.00 hrs- 17.00 hrs All Units	571	569	567	384							
				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 2024 - 2025*

**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	257	5	Not Applicable					Not Applicable						
2	Domestic (Rural) or Domestic (Urban)	D(L)	Normal	First 34 Units	358	15	D(Lpp)	Prepaid	All Units	543	15	Not Applicable						
				Next 26 Units	403													
				Next 40 Units	518													
				Next 100 Units	558													
				Next 100 Units	578													
				Above 300 Units	608													
3.	Commercial (Rural) or Commercial (Urban) below 30 KVA	C(L)(ia)	Normal	First 60 Units	478	30	C(Lt)(ia)	Normal TOD	06.00 hrs to 17.00 hrs	All units	558	30	C(Ltp)(ia)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	548	30
				Next 40 Units	543				17.00 hrs to 23.00 hrs.	All units	614				17.00 hrs to 23.00 hrs.	All units	604	
				Next 50 Units	568				23.00 hrs to 06.00 hrs	All units	469				23.00 hrs to 06.00 hrs	All units	460	
				Next 150 Units	588													
				Above 300 Units	618													
4.	Irrigation	Rate C(at)	Normal TOD	06.00 hrs to 17.00 hrs	All units	278	30	Rate C(atpp)	Pre-Paid TOD	06.00 hrs to 17.00 hrs	All units	273	30	Not Applicable				
				17.00 hrs to 23.00 hrs.	All units	528				17.00 hrs to 23.00 hrs.	All units	792						
				23.00 hrs to 06.00 hrs	All units	167				23.00 hrs to 06.00 hrs	All units	164						



**LOW AND MEDIUM VOLTAGE CONSUMERS** *Tariff Order of DVC for the year 2024 - 2025*

**Annexure -6B1**



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
5.	Commercial Plantation	Rate A(Cm-Ptpp)	Prepaid- TOD	06.00 hrs to 17.00 hrs	All units	548	50	Not Applicable					Not Applicable				
				17.00 hrs to 23.00 hrs.	All units	808											
				23.00 hrs to 06.00 hrs	All units	329											
6.	Short Term Irrigation Supply	Rate C( stppt)	Prepaid- TOD	06.00 hrs to 17.00 hrs	All units	513	30	Not Applicable					Not Applicable				
				17.00 hrs to 23.00 hrs.	All units	990											
				23.00 hrs to 06.00 hrs	All units	336											
7.	Short Term supply for Commercial Plantation	Rate A ( Cm-StPtp)	Pre-paid TOD	06.00 hrs to 17.00 hrs	All units	558	50	Not Applicable					Not Applicable				
				17.00 hrs to 23.00 hrs.	All units	1076											
				23.00 hrs to 06.00 hrs	All units	362											
8.	Short-term Supply	Rate STLT	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	568	50	Not Applicable					Not Applicable				
				17.00 hrs to 23.00 hrs.	All units	625											
				23.00 hrs to 06.00 hrs	All units	528											



**Tariff Order of DVC for the year 2024 - 2025**  
**LOW AND MEDIUM VOLTAGE CONSUMERS**

**Annexure -6B1**



		Applicable Tariff Scheme					Optional tariff Scheme										
SI No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	Optional Tariff Scheme - I					Optional Tariff Scheme - II					
							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	508	25	Rate GS(L)T	Normal - TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	498	25	Not Applicable				
								17.00 hrs to 20.00 hrs.	All units	548							
								23.00 hrs to 06.00 hrs	All units	483							
10.	Public utility/ Specified Institution/ Public Bodies  Municipal or Non-Municipal	Rate PU(LT)	Normal	On all Units	543	30	Rate PUpp (LT)	Prepaid	On all Units	533	30	Rate PUppt (LT)	Prepaid TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All units	523	30
														17.00 hrs to 20.00 hrs.	All units	575	
														23.00 hrs to 06.00 hrs	All units	486	
11.	Cottage Industry / Artisan / Weavers / Small production oriented establishment not run by electricity as motive power	Rate C(L)(ii)	Normal	All Units	528	30	Rate Cppt (L) (ii)	Prepaid - TOD	06.00 hrs - 17.00 hrs	All Units	518	30	Not Applicable				
									17.00 hrs to 23.00 hrs	All Units	570						
									23.00 hrs to 06.00 hrs	All Units	482						



**Tariff Order of DVC for the year 2024 - 2025**

**LOW AND MEDIUM VOLTAGE CONSUMERS**

**Annexure -6B1**



Optional tariff Scheme																			
Applicable Tariff Scheme							Optional Tariff Scheme – I								Optional Tariff Scheme - II				
SI No	Type of Consumer	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge * in Rs/ KVA/ mon	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	538	30	Rate Cppt (L) (iii)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All Units	528	30	Not Applicable						
									17.00 hrs to 23.00 hrs	All Units	581								
									23.00 hrs to 06.00 hrs	All Units	491								



**LOW AND MEDIUM VOLTAGE CONSUMERS** *Tariff Order of DVC for the year 2024 - 2025*

**Annexure -6B1**



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
13.	Public Water Works & Sewerage System	Rate B (II)	Normal	On all Units	528	50	Rate B (II)ppt	Prepaid - TOD	06.00 hrs. – 17.00 hrs. & 20.00 hrs to 23.00 hrs	All Units	518	50	Not Applicable				
								17.00 hrs to 20.00 hrs.	All Units	725							
								23.00 hrs to 06.00 hrs	All Units	340							
14.	Industry	Rate I(L)	Normal	All Units	538	50	Rate It(L)	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	528	50	Not Applicable				
								17.00 hrs to 23.00 hrs	All Units	739							
								23.00 hrs to 06.00 hrs	All Units	348							
15.	Street Lighting	Rate D(1)	Normal	On all Units	517	50	Not Applicable					Not Applicable					
16.	Street Lighting with LED	Rate D(6)	Normal	On all Units	478	50	Not Applicable					Not Applicable					
17.	Private Educational Institutions and Hospitals	Rate S (L)	Normal	On all Units	547	50	Rate St (L)	Normal TOD	06.00 hrs to 17.00 hrs	All Units	537	50	Not Applicable				
								17.00 hrs to 23.00 hrs	All Units	590							
								23.00 hrs to 06.00 hrs	All Units	499							
18.	Emergency Supply	Rate D (2)	Prepaid-TOD	06.00 hrs to 17.00 hrs	On all Units	598	50	Not Applicable					Not Applicable				
				17.00 hrs to 23.00 hrs	On all Units	837											
				23.00 hrs to 06.00 hrs	On all Units	395											



**LOW AND MEDIUM VOLTAGE CONSUMERS** *Tariff Order of DVC for the year 2024 - 2025*

**Annexure -6B1**



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
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	547	50	Not Applicable					Not Applicable					
				17.00 hrs to 20.00 hrs.	On all Units	766												
				23.00 hrs to 06.00 hrs	On all Units	361												
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		537	30	Rate D(4)t	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	527	30	Not Applicable				
										17.00 hrs to 23.00 hrs	All Units	580						
										23.00 hrs to 06.00 hrs	All Units	490						
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	537	50	Not Applicable					Not Applicable					
				17.00 hrs to 20.00 hrs.	On all Units	752												
				23.00 hrs to 06.00 hrs	On all Units	364												


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 &amp; EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6B2



																
Applicable Tariff Scheme									Optional Tariff Scheme							
Sl No	Type of Consumer	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/ month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/ month)
					P/kWh								P/kWh			
					Summer	Monsoon	Winter						Summer	Monsoon	Winter	
1.	Public Utility	Rate PU (H)	Normal	All Units	497	494	491	384	Rate PU (Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	487	485	483	384
											17.00 hrs-20.00 hrs	All Units	578	576	573	
											23.00 hrs-06.00 hrs	All Units	409	407	406	
2.	Industries (11 KV)	Rate I-1 (H)	Normal	All Units	503	501	499	384	Rate I (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	493	491	489	384
											17.00 hrs-23.00 hrs	All Units	592	589	587	
											23.00 hrs-06.00 hrs	All Units	419	417	416	
3.	Industries (33 KV)	Rate I-2 (H)	Normal	All Units	491	489	487	384	Rate I-2 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	482	480	478	384.
											17.00 hrs-23.00 hrs	All Units	578	576	572	
											23.00 hrs-06.00 hrs	All Units	410	408	407	
4.	Industries (132 KV)	Rate I-3 (H)	Normal	All Units	477	475	473	384	Rate I-3 (Ht)	TOD	06.00 hrs-17.00 hrs	All Units	467	465	463	384.
											17.00 hrs-23.00 hrs	All Units	560	558	556	
											23.00 hrs-06.00 hrs	All Units	397	395	394	



## HIGH &amp; EXTRA HIGH VOLTAGE CONSUMERS

## Annexure -6B2



Applicable Tariff Scheme														Optional Tariff Scheme						
Sl No	Type of Consumer	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/ month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/ month)			
						P/kWh								P/kWh						
						Summer	Monsoon	Winter						Summer	Monsoon	Winter				
5.	Industries (220 KV and above)	Rate I-4 (H)	Normal	All Units		462	460	458	384	Rate I-4 (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				
6.	Community Irrigation/ Irrigation	Rate AI (H)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	502	498	494	60	Not Applicable										
				17.00 hrs-23.00 hrs	All Units	1002	994	986												
				23.00 hrs-06.00 hrs	All Units	302	299	297												
7.	Commercial Plantation	Rate S (cp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	517	514	512	384	Not Applicable										
				17.00 hrs-23.00 hrs	All Units	724	719	717												
				23.00 hrs-06.00 hrs	All Units	341	339	338												
8.	Short Term Irrigation Supply	Rate S (stis)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	517	512	507	60	Not Applicable										
				17.00 hrs-23.00 hrs	All Units	687	677	667												
				23.00 hrs-06.00 hrs	All Units	310	307	304												
9.	Short Term Supply for Commercial Plantation	Rate S(stcp)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	527	525	523	384	Not Applicable										
				17.00 hrs-23.00 hrs	All Units	738	735	732												
				23.00 hrs-06.00 hrs	All Units	316	315	314												



## HIGH &amp; EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6B2



Applicable Tariff Scheme				Optional Tariff Scheme													
Sl No	Type of Consumer	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/ month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/ month)	
P/kWh					P/kWh												
Summer	Monsoon				Winter	Summer	Monsoon						Winter				
10.	Commercial	Rate C (H)	Normal	All Units	512	509	506	384	Rate C (Ht)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	502	497	492	384	
											17.00 hrs-23.00 hrs	All Units	602	596	590		
											23.00 hrs-06.00 hrs	All Units	427	422	418		
11.	Domestic	Rate D (H)	Normal	All Units	537	534	531	60	Rate D (Ht)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	527	521	515	60	
											17.00 hrs-23.00 hrs	All Units	580	573	567		
											23.00 hrs-06.00 hrs	All Units	490	485	479		
12.	Public Water Works & Sewerage	Rate PWW (H)	Normal	All Units	492	488	484	384	Rate PWW(Ht)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	482	477	472	384	
											17.00 hrs-20.00 hrs	All Units	675	668	661		
											23.00 hrs-06.00 hrs	All Units	318	314	311		
13.	Sports Complex & Auditorium run by Govt./ local bodies for cultural affairs	Rate S (c)	Normal	All Units	537	527	517	60	Not Applicable								
14.	Cold storage or Dairy with Chilling Plant	Rate S (pi)	Normal	All Units	502	497	492	384	Rate S (pit)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	492	486	480	384	
											17.00 hrs-23.00 hrs	All Units	590	583	576		
											23.00 hrs-06.00 hrs	All Units	418	413	408		



## HIGH &amp; EXTRA HIGH VOLTAGE CONSUMERS

Annexure -6B2




Applicable Tariff Scheme										Optional Tariff Scheme							
SI No	Type of Consumer	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./KVA/month)	
						P/kWh							P/kWh				
						Summer	Monsoon	Winter					Summer	Monsoon	Winter		
15.	Emergency Supply	Rate E (em)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	596	594	592	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	834	832	829									
				23.00 hrs-06.00 hrs	All Units	394	393	391									
16.	Construction Power Supply	Rate E (con)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	544	542	540	384	Not Applicable							
				17.00 hrs-20.00 hrs	All Units	761	759	756									
				23.00 hrs-06.00 hrs	All Units	503	501	499									
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		532	528	524	60	Rate S (cot)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	522	517	512	60
												17.00 hrs-23.00 hrs	All Units	574	569	563	
												23.00 hrs-06.00 hrs	All Units	534	529	524	



## HIGH &amp; EXTRA HIGH VOLTAGE CONSUMERS

## Annexure -6B2



																							
Applicable Tariff Scheme										Optional Tariff Scheme													
SI No	Type of Consumer	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/ month)	Customer category	Name of the Tariff Scheme	Consumption per month in KWH		Energy Charge			Demand Charge (Rs./KVA/ month)						
																P/kWh							
						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	485	482	479	384	Not Applicable													
				17.00 hrs-20.00 hrs	All Units	582	675	671															
				23.00 hrs-06.00 hrs	All Units	412	318	316															
19.	Traction	Rate T	Normal	All Units		478	476	473	384	Not Applicable													
20.	Short-term Supply	Rate S (ST)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	586	584	582	384								Not Applicable						
				17.00 hrs-23.00 hrs	All Units	708	705	702															
				23.00 hrs-06.00 hrs	All Units	365	363	361															
21.	Private Educational Institutions	Rate E (ei)	Normal	All Units		502	499	496	384	Rate E(ei)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	492	486	480	384						
											17.00 hrs-23.00 hrs	All Units	541	534	528								
												23.00 hrs-06.00 hrs	All Units	503	497	491							





## **CHAPTER – 7**

### **DIRECTIONS**

7.1 This Commission has given some directions in Chapter - 4 of this order while determining the variable cost and fixed cost of DVC. DVC shall also comply with those directions in additions to the directions mentioned herein below:

- (a) 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 respective CERC Regulations and certified by concerned Load Despatch Centre.
- (b) DVC will submit all required details of regulatory approval from concerned Commissions regarding cost of generation from own solar stations in APR stage.
- (c) 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.
- (d) DVC shall submit details of the capacity allotted to long term and medium term Open Access customers as well as open access allowed to short term open access customers, if any, and wheeling charge realized from those customers.
- (e) DVC will submit availability certificate from concerned load despatch centre for composite transmission and distribution network during APR for the respective year along with true up orders of CERC.
- (f) DVC 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.
- (g) In APR petitions for the respective years, DVC will submit actual expense with Auditor's Certificate in respect of Tariff Filing Fees & Publication Expenses related to WBERC and Tariff filling fees & publication expenses related to CERC.





*Tariff Order of DVC for the years 2023 – 24 and 2024 – 25*

- (h) DVC shall submit actual addition of equity in respect of Distribution asset at 11 kV level during the year with APR petition for respective year.
- (i) DVC shall come up with details of actual equity infusion along with COD status of 11 kV distribution projects during APR applications.
- (j) DVC is directed to submit APR petition with details in line with the Tariff Regulations along with the Asset Register Summary duly certified by the Statutory Auditor as per Annexure – 10 of the said regulations.
- (k) 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.
- (l) In the APR petition, DVC shall submit clarification against each element of Other income of power business of Audited Annual Accounts which are excluded by them from Non-Tariff Income in the APR petition.

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, in the tariff order dated 17.06.2022 for the years 2018 – 19 and 2019 – 20 and in the MYT order for the years 2020 – 21, 2021 – 22 and 2022 – 23. 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.





*Tariff Order of DVC for the years 2023 – 24 and 2024 – 25*

- 7.3 All the directions called for in this chapter are in addition to what are statutorily required to be submitted, either in terms of the Act, any of the Regulations made thereunder, or both, for the purpose of submission in the Annual Performance Review of 2023 – 24, 2024 – 25 and 2025 – 26.

**Sd/-**  
**(PULAK KUMAR TEWARI)**  
**MEMBER**

**Sd/-**  
**(MALLELA VENKATESWARA RAO)**  
**CHAIRPERSON**

**DATED: 13.03.2024**

**Sd/-**  
**(SECRETARY)**