



**ORDER
OF
WEST BENGAL ELECTRICITY REGULATORY COMMISSION
FOR THE YEAR 2023 – 2024
IN
CASE NO: TP – 98 / 22 - 23
IN REGARD TO THE TARIFF APPLICATION OF THE
WEST BENGAL STATE ELECTRICITY DISTRIBUTION
COMPANY LIMITED FOR THE YEARS 2023 – 2024, 2024 –
2025 AND 2025 – 2026 UNDER SECTION 64(3)(a) READ
WITH SECTION 62(1) AND SECTION 62(3) OF THE
ELECTRICITY ACT, 2003**

DATE: 30.03.2023



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 the 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 The West Bengal State Electricity Distribution Company Limited (hereinafter referred to as WBSEDCL), is deemed to be a licensee under the Electricity Act, 2003 in terms of fifth proviso to Section 14 of the Act wholly owned by the State Government and has been engaged in the business of distribution of electricity within the area of supply of WBSEDCL in the State of West Bengal and the distribution tariff of WBSEDCL shall be determined by the Commission.
- 1.3 In terms of definition contained in regulation 1.2.1 (xxx) of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011, as amended from time to time (hereinafter referred to as the ‘Tariff Regulations’), each control period after third control period shall be normally for a period of five ensuing years or such other period of number of ensuing years as may be decided by the Commission from time to time. The Commission vide its order dated 31.08.2022 in case no. SM-31/22-23 decided that the eighth control period shall be for three years consisting of 2023 – 24, 2024 – 25 and 2025 – 26. In terms of regulation 2.7.1 of the Tariff Regulations, application for determination of tariff under Multiyear Tariff framework has to be submitted 120 days in advance from the effective date of the start of the control period.
- 1.4 WBSEDCL has submitted the petition for determination of tariff for the eighth control period consisting of the years 2023 – 24, 2024 – 25 and 2025 – 26 on 30th November, 2022. Subsequently, on 20.01.2023 WBSEDCL submitted a supplementary to their petition for determination of tariff for eighth control period. The tariff petition along with



supplementary petition (together termed as 'tariff application') was scrutinized with reference to requirements of tariff regulations and the same was admitted by the Commission in case No.TP-98/22 – 23. WBSEDCL 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 11.02.2023 simultaneously in newspapers namely- (i) 'The Telegraph' (English), (ii)'The Aajkaal' (Bengali), (iii) 'Bartaman' (Bengali) and (iv) 'Sanmarg' (Hindi). The gist along with the tariff application were also posted in the website of WBSEDCL. The publication invited the attention of all interested parties, stake holders and the members of the public to the application for determination of tariff of WBSEDCL for the eighth control period and requested for submission of suggestions, objections and comments, if any, on the tariff application to the Commission latest by 06.03.2023. Opportunities were also afforded to all to inspect the tariff application and to take copies thereof.

1.5 Objections to / comments on the aforementioned tariff application of WBSEDCL for the eighth control period were received by the Commission from the following stakeholders within the stipulated time i.e., 06.03.2023 and the same have been recorded in a summarized form in Chapter 3 of the instant order.

- I. All Bengal Electricity Consumers' Association (ABECA),
- II. West Bengal Power Development Corporation Limited (WBPDC),
- III. Wacker Metroark Chemicals Pvt. Ltd. And (WMCPL)
- IV. Forum of Scientists, Engineers & Technologists (FOSET)

1.6 The Commission has determined the tariff in accordance with the Electricity Act, 2003 and the Tariff Regulations framed thereunder in the subsequent chapters of this order duly considering the suggestions / objections raised by the stakeholders. The Commission has also provided some directives to WBSEDCL in Chapter - 10 to comply with. Any estimate made by the Commission in this order for 2022 – 23 (base year of the eighth control period), in order to arrive at the projected expenditure during the ensuing years of eighth control period (i.e., 2023 – 24, 2024 – 25 and 2025 – 26), shall not be construed as allowable expenditure for 2022 - 23.



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CHAPTER – 2 THE CASE OF WBSEDCL

- 2.1 WBSEDCL has submitted the application for determination of Aggregate Revenue Requirement (ARR) and tariffs for the eighth control period covering the years 2023 – 24, 2024 – 25 and 2025 – 26 under MYT framework in accordance with the Tariff Regulations. The applicant has projected the ARR and the tariffs for the eighth control period and has prayed for allowing the same.
- 2.2 WBSEDCL submitted that they have taken over the entire business of distribution of electricity of the Durgapur Projects Limited (hereinafter referred to as DPL) along with all associated assets and liabilities with effect from 01.01.2019 as per notification no. 319-PO/O/C-IV/1E-60/13 (Part- VA) dated 08.12.2017 & 328/PO/O/C-IV/1E-60/13 (Pt- VA) dated 26.12.2018 of the Government of West Bengal and subsequent order dated 31.12.2018 of the Commission. Accordingly, MYT for eighth control period has been projected considering the requirement of added area due to takeover of DPL along with that of other areas of WBSEDCL.
- 2.3 WBSEDCL has projected the ARR of Rs 25,47,886 lakh, Rs. 26,61,176 lakh and Rs. 27,77,789 Lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively at an average tariff of 731.74 paisa/kWh, 732.27 paisa/ kWh and 731.77 paisa/kWh for the respective years of the control period.
- 2.4 The major reasons for proposed tariff increase from the base year (i.e. 697.42 paisa / kWh) are submitted as below:
- Increase in power purchase cost due to increase in coal price. WBSEDCL has considered power purchase cost from NTPC Ltd. (NTPC), NHPC Ltd. (NHPC) and DVC Ltd. (DVC) based on average rate arrived from energy bills from April'22 to September'22. For intra-state generating stations like WBPDC, DPL, HMEL they have considered energy charge along with average MFCA during April'22 to September'22.



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- ii) To meet the load growth, WBSEDCL has considered purchase of power from some new generating stations during the eighth control period. Cost of purchase of power from such new power plant has been considered as per the respective agreement with the entities or recently commissioned similar power plant from where WBSEDCL is receiving power. The actual in the latter case, shall be considered during truing up.
- iii) Considering increase in network across the state to cater growing consumer base, improved customer service facilities and rise in price index, WBSEDCL has proposed increase in expenses towards Repair & Maintenance (R&M), outsourcing cost due to maintenance & operation of new line and substations, spot billing service, mobile maintenance service and zonal call center, etc.

Besides, monthly meter reading & FMS (Facility Management Service) charge along with GST components for installation of smart meter under OPEX model in WBSEDCL area has been considered in O&M cost, outsourcing cost and tax head.

- iv) Employee cost has been estimated taking into account considering increment of basic, DA and other allowances.
- v) Probable enhancement of transmission charges payable to WBSETCL and Central Transmission Utility (CTU).

2.5 WBSEDCL submitted that the following set of premises have been considered while proposing the tariff during eighth control period:

- (a) All infrastructure investment and power procurement plan during eighth control period have been made assuming that all consumers under WBSEDCL area will continue to avail power supply from WBSEDCL along with the trend of increase of consumers of last five years. Since consumption for traction category & some railways establishments has been converted to Deemed Licensee Mode from Consumer Mode w.e.f. 01.07.2022, sales for those traction categories has not been considered. Sale to licensees viz. CESC, IPCL has been considered as per recent trend.



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- (b) In view of takeover of distribution functions within the licensed area of erstwhile DPL with effect from 01.01.2019, the consumer strength of erstwhile DPL area ('DPL TO Area') has been amalgamated with WBSEDCL during projection for 2023 – 24, 2024 – 25 and 2025 – 26.
- (c) To fulfil the above requirement, power purchase and energy balance for the years 2023 – 24, 2024 – 25 and 2025 – 26 have been projected considering power availability from own generation and purchase of power. Power purchase cost has been projected based on historical costs. WBSEDCL also proposed to manage the incidental surplus by way of sale to person other than consumer & licensee at pool rate of power purchase or bank such power through swap arrangement or take some other necessary action on real time basis to guard the revenue as well as maintain discipline of power system.
- (d) Fixed cost elements viz. employee cost, O&M expenses, depreciation, return on equity, interest on loan, interest on working capital, etc. have been projected considering historical costs, increase in price index and increase in business volume following the provision of the tariff regulations.
- (e) For eighth control period no amount towards principal repayment of pension bond has been considered. However, WBSEDCL proposes to claim actual expense for remaining repayment, if any, during APR.

2.6 It has been submitted that WBSEDCL is continuing with tariff structure of erstwhile DPL consumers of 'DPL TO Area' and maintaining separate code for tariff category of 'DPL TO Area' and that of other area of WBSEDCL. For getting operation advantage, WBSEDCL, for eighth control period, has proposed uniform code for 'DPL TO Area' and other area of WBSEDCL.

However, separate retail tariff for consumers of 'DPL TO Area' and other area of WBSEDCL is proposed. It is also proposed that, where there is no existing consumer in any category of 'DPL TO Area', no separate rate for that category has been proposed. In



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future, if any consumer gets connected in such categories in 'DPL TO Area', they will pay tariff corresponding to similar categories of other WBSEDCL area consumers.

2.7 For the eighth control period, WBSEDCL proposed the following in their tariff application:

- (i) For Life Line Category consumers: WBSEDCL submitted to consider L&MV Domestic Consumer (having contract demand < 0.3 kW) as Life Line Domestic consumers, if the average quarterly energy consumption under quarterly billing system of last financial year does not exceed 75 units or the average monthly energy consumption under monthly billing system of last financial year does not exceed 25 units. WBSEDCL stated that this will be helpful for prudent utilization of cross subsidy of other consumers.
- (ii) No meter rent has been proposed for all consumers (except those consumers having conventional electro-magnetic meter).
- (iii) WBSEDCL proposed revision of disconnection/ reconnection charge, fuse call, meter testing charges, etc. in view of increase in cost of such activities since last revision. WBSEDCL also proposed to enhance the applicable minimum charge.
- (iv) WBSEDCL proposed to consider the reduction of energy rate for 11 kV, 33 kV and 132 kV industries under WBSEDCL area (excluding "DPL TO Area") by merging Load Factor (LF) rebate and surcharge and additional LF rebate.
- (v) WBSEDCL proposed to continue with additional LF rebate for 33 kV and 132 kV industries corresponding to order dated 08.02.2017 of the Commission on revenue enhancement scheme or any subsequent order in that respect.
- (vi) As a part of demand side management to encourage the 33 kV and 132 kV industrial consumers having monthly consumption above 1 MU under WBSEDCL area (excluding DPL TO Area), and also to reduce their drawal of load in peak period and to shift the load to off-peak period, WBSEDCL proposed to continue the existing rebate.



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- (vii) WBSEDCL proposed to consider the fixed charges of Emergency Supply in Rs. /kVA/month as “parallel operation charge” payable by captive consumers to WBSEDCL on the capacity of captive generator installed in the premises of HV/ EHV Industries for running such captive generator with the grid support from WBSEDCL.
- (viii) WBSEDCL proposed to keep the tariff for metro rail same as determined that of CESC as metro services will cover the integrated area of operation of both CESC and WBSEDCL.
- (ix) WBSEDCL proposed to increase the fixed charge/ demand charge for some categories with corresponding reduction in energy charge keeping the same average tariff for the 8th Control Period in order to rationalize the fixed charge/ demand charge by removing the subsumed part of fixed cost from energy charge.
- (x) WBSEDCL proposed that the fixed cost for LT Irrigation pump-set for agriculture to 50% during monsoon period i.e., period from July to October.
- (xi) The demand charge shall be applicable to different categories of consumers as per the proposed rates on the basis of recorded demand as specified in the Tariff Regulations. Further, when a new consumer gets connected to the system, the computation of fixed charge or demand charge for that month shall be made pro-rata for the number of days of supply in that particular month.
- (xii) As per the approval of the Commission vide order dated 03.02.2022 and 22.07.2022, the tariff corresponding to 1/3rd of the quarterly consumption slab determined for LT Domestic and Commercial consumers (contract demand < 50 kVA) has been considered as tariff corresponding to monthly consumption slab for above consumer when those categories of consumers will come under monthly billing system.
- (xiii) For the consumers' where prepaid tariff is optional, 3% rebate on energy charge (i.e., amount of the bill excluding meter rent, taxes, duties, levies and arrears) (not being the arrears due to revision of tariff) of non-TOD and TOD tariff has been proposed and the same will be in-built in the pre-paid meter.



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- (xiv) WBSEDCL proposed TOD tariff on optional basis for LT Domestic category.
- (xv) WBSEDCL proposes merger of some tariff categories for simplification of tariff schedule as per the requirement of Tariff Policy and Revamped Distribution Sector Scheme (RDSS)
- (xvi) As per Tariff Order for 2022 – 23, 'Green Tariff' of 50 paise per unit has been proposed for all consumers other than domestic and agriculture consumers under WBSEDCL (including DPL TO Area). The 'Green Tariff' is to be levied and above the retail tariff who intend to consumer 100 percent green power for an uninterrupted period for at least six months.
- (xvii) WBSEDCL proposed to continue with the promotional TOD single part tariff for EV Charging Stations.

2.8 In view of notification of the fourth amendment to the Tariff Regulations, the Commission gave opportunity to all utilities for submitting supplementary petition. WBSEDCL vide their reply dated 23.03.2023 submitted their inability to submit supplementary petition. Thus, the Commission decides to determine the tariff for 8th Control Period of WBSEDCL based on the already submitted petition and considering the provisions of the Tariff Regulations, as amended in the subsequent chapters.



CHAPTER – 3 OBJECTIONS AND SUGGESTIONS

3.1 Suggestions, objections and comments on the tariff application of WBSEDCL for the eighth control period covering the year 2023 – 24, 2024 – 25 and 2025 – 26 that have been received within 06.03.2023 i.e., the due date from the persons are mentioned in paragraph 1.5 of Chapter-1. The main points of the suggestions, objections and comments etc. relevant to the instant tariff petition are summarized in the following paragraphs in this chapter. The Commission's views on the objections, comments etc. are also recorded in this Chapter.

3.2 FOSET and WMCPL has made the following comments and suggestions:

3.2.1 FOSET and WMCPL submitted that the MYT application of WBSEDCL for 8th Control Period is being submitted and admitted under the Principal Regulations and thus application is legally to be disposed under Principal Regulations only.

The submission of FOSET has been noted by the Commission. The Commission has given opportunities to all licensees to submit supplementary petition if they prefer any changes, consequent upon publication of the West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) (Fourth Amendment) Regulations, 2023. The Commission will however deal with the tariff petition based on the provisions of the Tariff Regulations including the 4th Amendment.

3.2.2 FOSET and WMCPL has requested the Commission that, while determining the green tariff of green energy, the renewable energy sources to be considered for determining the purchase price of green energy should be based on the definition of renewable energy and renewable energy sources under Electricity Rules, 2022. FOSET further submitted that the proposal of WBSEDCL for levying Green Tariff at 50 paise per unit on all consumers other than domestic and agriculture consumers during the control period who intends to consume 100 percent green power for an uninterrupted period for at least six months over and above the retail tariffs is found to be inconsistent with the Green Rules. FOSET requested not to accept the proposal of WBSEDCL and the same should be in modified in line with Green Rules.



The submission of FOSET has been noted by the Commission and the same shall be dealt in the subsequent Chapter for Tariff Determination.

3.2.3 FOSET has submitted that the formula for Monthly Variable Cost Adjustment in the Tariff Regulation deal only with the billing side data. If revenue recovery side data are also considered, then a wide gap is found between the result of MVCA and actual recovery. Thus, FOSET has requested the Commission to issue direction that Δ Adj in the formula of MVCA shall be appropriately used by the distribution licensees so that no accumulation of short recovery at the end of each month exists and the basic intent of Electricity Rules 2022 to ensure non- accumulation of short recovery at the end of the financial year could be achieved.

The submission of FOSET has been noted by the Commission. The MFCA/ MVCA is required to be computed by the utilities as per the provisions of the Tariff Regulations. The Commission has also given direction to all utilities vide Suo Motu Order dated 18.07.2014 in Case No. SM – 10/ 14 – 15.

3.3 All Bengal Electricity Consumers' Association (ABECA) has made the following comments and suggestions:

3.3.1 ABECA submitted that the Average Cost of Supply has projected by WBSEDCL has no justification for enhancement and should be reduced by more than 50% due to decrease in fuel cost, GST and AT&C loss since 2015 – 16. ABECA further stated that the cost of coal as per the Coal India has increased by only Rs. 10 per tonne in the last two years and thus there is no such enhancement of fuel cost. Further, WBSEDCL is purchasing power from WBPDCCL where the cost is less since the Government of India has allotted two captive coal mines to WBPDCCL. It has been contended that if coal is lifted from captive coal mine then the cost of coal will be reduced. ABECA stated that the per unit price of WBPDCCL ranges from 216.33 paise to 245.47 paise and thus there is no justification to claim 731 paise per unit as average cost of supply. In view of the above, ABECA stated that there is no justification of tariff hike.



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The Commission has noted the comments and will determine Aggregated Revenue Requirement of WBSEDCL and Average Cost of Supply as per applicable provisions of the Tariff Regulations with due prudence.

3.3.2 ABECA submitted that the projected sale to its own consumers by WBSEDCL has been considered on annual compounded growth rate of sale at 6% per year. ABECA stated that the projected sale to its own consumers should be justified with the list of consumers for new connection demand of electricity and increase of load of the existing consumers to avoid the inflated increase on growth of sale volume to its own consumers and also inflated aggregated revenue requirement of the licensee.

The Commission has noted the comments and will admit the sale of consumers of WBSEDCL with due prudence.

3.3.3 ABECA submitted that the base price in the notice of gist indicates 697.42 paise per unit as Average Cost of Supply. But as per Tariff Order for 2018 – 19, 2019 – 20, 2020 – 21, 2021 – 22 and 2022 – 23, the Commission has decided to retain the average tariff as per the existing tariff of 2016 – 17 which is 689.32 paise per unit. Thus, the change is unclear.

The average cost of supply as given for the base year i.e., 2022 – 23 includes the average cost of supply of consumers of DPL TO Area.

3.4 West Bengal Power Development Corporation Limited (WBPDC) has made the following comments and suggestions:

3.4.1 WBPDC submitted that WBSEDCL in their tariff application has considered the followings:

- i. energy available from all the power plants of WBPDC based on normative availability factor of plants except for Kolaghat where WBSEDCL has considered only three units of Kolaghat.
- ii. the energy charges of all its power plant as per the Tariff Order of FY 2022 – 23 along with MFCA bills claimed during April, 2022 to September, 2022.



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- iii. the Capacity Charge has been considered based on the Tariff Order of FY 2022 – 23 but not the review order dated 23.11.2022.
- iv. WBSEDCL also has projected the energy available from Unit No. 5 of Sagardighi TPP from FY 2024 – 25 onwards.

Accordingly, WBPDCCL submitted their assumptions in their tariff petition:

- i. the net sent out from its power plant has been considered based on normative parameters prescribed in the Tariff Regulations.
- ii. the energy charge of all the power plants has been considered based on projected coal mix and projected coal price of captive coal.
- iii. the fixed cost of all the power plants of WBPDCCL has been considered based on the estimated actuals of FY 2022 – 23 with due escalations.
- iv. Unit No. 5 of Sagardighi TPP will be commissioned from the first quarter of FY 2024 – 25 and a separate petition for tariff will be filed in due course.

Further, WBPDCCL submitted that WBSEDCL has projected purchase from solar power of WBPDCCL as 18.334 MU, 19.441 MU and 19.441 MU for FY 2023 – 24, 2024 – 25 and 2025 – 26 respectively whereas the projection made by WBPDCCL is 18.930 MU, 18.741 MU and 18.551 MU respectively in those years.

In view of the above, WBPDCCL requested to consider the same.

The Commission has noted the comments and will determine power purchase cost of WBSEDCL from WBPDCCL as per applicable provisions of the Tariff Regulations with due prudence. Any variation shall be dealt with provision of MFCA/ MVCA as per the provisions of the Tariff Regulations.



CHAPTER – 4 PERSPECTIVE PLAN OF WBSEDCL

4.1 WBSEDCL has submitted their Perspective Plan for 2023 – 24, 2024 – 25 and 2025 - 26 in terms of clause (xvii) of regulation 2.5.2.1 read with Schedule – 2 of the Tariff Regulation. The perspective plan contained the Demand Forecast, Power Procurement Plan along with a Load Generation Balance Report (LGBR) and Capital Investment Plan of WBSEDCL.

4.2 In the Perspective Plan, WBSEDCL has stated the following:

4.2.1 WBSEDCL has carried out the forecast of unconstrained peak demand and energy demand in the area of supply of WBSEDCL and also supply to other licensees and agencies based on month wise demand projections. The month-wise demand has been carried out based on the monthly average of hourly load data. WBSEDCL also submitted its availability from own generation and its plan to purchase power from different power stations in the State as well as from ISGS, traders, renewable and cogeneration sources and other licensees.

The demand forecast vis-à-vis the power procurement plan of WBSEDCL for the years 2023 – 24, 2024 – 25 and 2025 – 26 are analyzed in detail under chapter-5.

4.2.2 Capital investment plan for 2023 – 24, 2024 – 25 and 2025 – 26:

4.2.2.1 WBSEDCL has taken up a number of capital investment schemes with Government funding and from its own fund for expansion and strengthening of distribution network in order to meet the needs of the increasing consumer base as well as to maintain the quality of power supply.

4.2.2.2 WBSEDCL has also proposed capital expenditure regarding its generation business to set up solar projects and hydel power plants including pumped storage projects.



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4.2.3 Capital Expenditure related to distribution function:

4.2.3.1 WBSEDCL is undertaking the following distribution network expansion and strengthening works in their licensed area:

- (i) Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) which is a Government of India initiative in the rural areas. WBSEDCL under this program is carrying out activities including village electrification, infrastructure creation and upgradation, feeder segregation, metering, system improvement etc. in rural areas.
- (ii) Strengthening and Extending Electrical Distribution Network (SEEDN) for improvement of voltage at different ends of state and ensuring quality of power supply in terms of reliability with the drawl of LT and HT AB Cable lines for conversation of bare conductor lines. Further, installation of capacitor banks and FPI on overhead lines are planned in this scheme. After implementation of the project, the technical loss is expected to reduce.
- (iii) High Voltage Distribution System (HVDS) project to reconfigure the existing Low Voltage (LT) network as High Voltage Distribution System wherein the 11 kV line is taken as near to the loads as possible and the LT power supply is fed by providing appropriate capacity transformer and minimum length of LT line. This program has been initiated with the objective to provide better quality power supply, reduction of losses and better consumer service.
- (iv) System Strengthening and Grid Modernization of Distribution Network to improve voltage level and network stability under World Bank support to ensure quality and reliability of power in the State
- (v) Revamped Distribution Sector Scheme (RDSS) to improve metering works, distribution infrastructure works for loss reduction and modernization with an objective to improve reliability of power supply and enhanced consumer service.



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(vi) Miscellaneous expenditures for construction of new lines, new substations, upgradation and reconductoring, augmentation of existing substation, rapid electrification of agricultural pump sets, etc. have also been planned.

4.2.3.2 From the submission of WBSEDCL it is observed that, majority of these projects have been stated in the previous control periods. The capital expenditure planned to incur during the projects for the eighth control period by WBSEDCL is tabulated below:

Particulars	Rs lakh		
	2023 – 24	2024 – 25	2025 – 26
DDUGJY	512	0	0
SEEDN – III	7,970	0	0
HVDS	15,172	14,982	0
System strengthening & Grid Modernization	80,000	58,000	88,402
RDSS	2,54,000	2,52,551	2,49,432
Miscellaneous	1,37,245	88,595	84,480
Total Distribution Capital Expenditure	4,94,899	4,14,128	4,22,314

4.2.4 Capital Expenditure related to generation business:

4.2.4.1 In order to meet the RPO target set for WBSEDCL, WBSEDCL has planned to set up solar and hydel projects as below:

4.2.4.2 Solar power projects: WBSEDCL has proposed to implement the following solar projects during the control period:

- 10 MW solar plant at Kotaldih – expected to be commissioned in March 23;
- 20 MW solar plant at Gangasagar- expected to be commissioned in December 23;
- 125 MW solar park at Goaltore - expected to be commissioned in June'24;
- 10 MW solar plant at PPSP upper dam - expected to be commissioned in March'21;

4.2.4.3 Purulia Pumped Storage Project (PPSP): WBSEDCL has planned various construction and installation works in the operational 900 MW Purulia Pumped Storage Project which will strengthen the existing infrastructure.



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4.2.4.4 Turga Pumped Storage Project (TPSP): WBSEDCL has planned to construct 1000 MW Turga Pumped Storage Project in Purulia which help meet the shortfall arising during the peak period and store the surplus energy during the off-peak period.

4.2.4.5 Misc. Hydel Projects: WBSEDCL planned for various construction and installation works in the operational hydel plants at TCF, Rangit, MMHD, Jaldhaka, etc., in order to boost up the hydel operation to meet the shortfall arising during the peak period.

4.2.4.6 PIDD Projects: Preparation of pre-feasibility report and DPR for TLDP-I, II, V and small HEP's at Balason, Rangit, etc.

4.2.4.7 The generation capital expenditure for 2023 – 24, 2024 – 25 and 2025 – 26 as projected by WBSEDCL against the above schemes are tabulated below:

Particulars	Rs lakh		
	2023 – 24	2024 – 25	2025 – 26
Solar Power Projects	50,760	10,620	5,448
PPSP- Misc. construction and Installation Works	2,851	706	201
Turga Pumped Storage Project	12,973	93,037	75,342
Misc. Hydro Projects	9,881	6,058	2,251
PIDD Projects	5,267	3,011	965
Total Generation Capital Expenditure	81,732	1,13,432	84,207

4.3 The Commission finds it suitable to analyze the Capital expenditure plan of WBSEDCL for distribution function and generation function separately as below:

4.3.1 The proposed capital expenditure plan under distribution function mainly involves the government aided projects in order to ensure reliable and quality power across the State and to reduce the AT&C losses. WBSEDCL has also proposed Rs 3,103.20 crore as miscellaneous during the control period out of which Rs. 2,776.99 crore is related to distribution headquarter. However, WBSEDCL has not provided funding arrangement for these projects. Under this condition, the Commission approves the proposed capital expenditure plan for distribution function with the following directions:

- Except for the projects entirely funded through Government grant or where the project is partly funded by the Government grants and direct investment of WBSEDCL through loan or equity is within Rs. 125 Crore or 5% of its Gross Fixed



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Asset, WBSEDCL has to take investment approval for the projects as required under the Tariff Regulations;

- Capitalization of the assets should be done only after date of put in use of the assets;
- WBSEDCL shall submit the cost benefit analysis of the completed projects along with APR petition.

4.3.2 The Commission is of view that, generating business being delicensed activity, WBSEDCL is free to establish generating station under the purview of the Act. However, except 100% Government grant funded projects, WBSEDCL has to ensure cost benefit analysis in terms of sourcing such power for its distribution business and take prior approval of the Commission in terms of the Tariff Regulations.

4.3.3 Capitalization of the assets should be done only after date of commercial operation of such generating assets.



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CHAPTER – 5 SALES, ENERGY BALANCE & VARIABLE COST

- 5.1 West Bengal State Electricity Distribution Company Limited (WBSEDCL) has been entrusted with the responsibility to supply electricity to different categories of consumers scattered throughout the State. The projected sales to different consumer categories have been considered based on the growth trend of such consumer categories. WBSEDCL also sells energy to other distribution licensees in the State. Moreover, as per existing agreement between Government of West Bengal and Government of Sikkim, WBSEDCL will have to make 20% of the sent-out generation of Rammam Hydel Station Stage-II to Government of Sikkim at sent-out cost.
- 5.2 A small part of the energy requirement for distribution and supply in its licensed area comes from the hydro power stations under the ownership of WBSEDCL along with some small/ micro hydel power stations and solar plants and solar rooftop projects while the balance energy requirement is sourced by way of purchase. The energy generation at its own generating station and ex-bus energy available from these stations after deduction of auxiliary consumption as per norms has been considered in this order.
- 5.3 WBSEDCL has projected purchase of power from WBPDC, NTPC, NHPC, DVC, DPL, SECI and other generating companies and also through electricity traders to meet their demand during the years 2023 – 24, 2024 – 25 and 2025 – 26 under the eighth control period. WBSEDCL has also projected purchase of non-solar power from short-term market during the eighth control period to meet their Renewable Power Obligation (RPO) for the respective years.
- 5.4 WBSEDCL has also proposed to sell the incidental surplus power available during the off-peak and normal period after meeting the requirement of pumping energy of PPSP or may arrange for banking of power through swap arrangement as per the real time situation at average power purchase cost.
- 5.5 WBSEDCL also submitted that pursuant to the Notification No. 319-PO/O/C-IV/1E-60/13 (Part- VA) dated 08.12.2017 and 328/PO/O/C-IV/1E-60/13 (Pt- VA) dated 26.12.2018 of the Government of West Bengal and subsequent order dated 31.12.2018 of the



Commission, WBSEDCL has taken over the entire business of distribution of electricity of DPL along with all associated assets, liabilities and undertake distribution functions within the licensed area of DPL with effect from 01.01.2019.

5.6 The energy requirement to supply consumers of WBSEDCL including DPL TO Area, supply to other licensees including own consumption, estimation of energy amount from own generation of WBSEDCL as well as estimation of purchase of energy, purchase price and the amount from different sources are analyzed in the subsequent paragraphs keeping in view the submissions of WBSEDCL, information from different tariff orders, energy exchanges and relevant suggestions/ objections from different stakeholders. Some minor mismatches have been noted in submission under Volume-1 of the petition and the submitted regulatory Forms. For the analysis under this chapter figures submitted under the Forms are considered and decimal errors are ignored.

5.7 Energy sale to consumers:

5.7.1 WBSEDCL submitted that presently WBSEDCL is having consumer strength of more than 2.15 Crore of which majority of such consumers are connected in LV& MV voltage level. Further, extensive electrification works has been done in rural areas where the growth of domestic consumers has been observed. Thus, WBSEDCL has projected the number of consumers for 2023 – 24, 2024 – 25 and 2025 – 26 in commensurate with the sale projections of those years. . Since, DPL is taken over by WBSEDCL with effect from 01.01.2019, the consumer strength of DPL and its sales figure is merged with the consumer strength of WBSEDCL to get overall consumer strength during eighth control period.

5.7.2 WBSEDCL submitted that the sale of energy during eighth control period has been projected based on the following conditions prevalent for different categories of consumers:

- i) For LT Domestic Lifeline, Public Utility, Public Water Works, Public Lighting, Agriculture consumer categories (having contract demand less than 50 kVA), the



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sale has been estimated considering CAGR of consumption during 2017 – 18 to 2021 – 22 of the respective categories.

- ii) For LT Domestic consumer category (having contract demand less than 50 kVA), the sale has been estimated considering 5% growth to financial year 2021 – 22 due to completion of electrification programme.
- iii) For LT Domestic Labour Line and LT Others (such as, Private Educational Institute, Commercial Plantation, Common Service for Industrial Estimate, Construction supply/ emergency supply/ short term supply) consumer categories (having contract demand less than 50 kVA), the sale has been estimated considering no growth.
- iv) A new category for Cold Storage (having contract demand less than 50 kVA) has been created from the existing LT Industrial category and the sale has been projected based on CAGR of consumption during 2017 – 18 to 2021 – 22.
- v) For LT Domestic consumer category (having contract demand 50 kVA and above but upto 200 kVA), the sale has been estimated considering no growth.
- vi) For LT Commercial and Industrial consumer categories (having contract demand 50 kVA and above but upto 200 kVA), the sale has been estimated considering CAGR of consumption during 2017 – 18 to 2021 – 22 of the respective consumer categories.
- vii) For HT Commercial, HT Industrial, HT Public Water Works, HT Public Utility HT Private Educational Institute, Metro Rail, MES and other HT consumers, the sale has been estimated considering CAGR of consumption during 2017 – 18 to 2021 – 22 of the respective consumer categories.
- viii) The consumption for Traction category and some Railway establishments has been converted to deemed licensee mode from consumer mode with effect from 01.07.2022 as per the PPA approved by the Commission and hence no sale to consumer has been considered.



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- ix) For LT Domestic of DPL TO Area, the sale has been considered based on CAGR of consumption during 2017 – 18 to 2021 – 22.
- x) For LT Commercial of DPL TO Area, the sale has been considered based on CAGR of consumption during 2019 - 20 to 2021 – 22.
- xi) For other LT consumer category of DPL TO Area, the sale has been considered based on actual sale of respective categories during 2021 – 22.
- xii) For HT Industrial and Commercial category of DPL TO Area, the sale has been projected based on CAGR of consumption during 2019 – 20 to 2021 – 22 of respective categories of WBSEDCL area.
- xiii) For HT Public Water Works, the sale has been considered based on CAGR of consumption during 2019 – 20 to 2021 – 22.
- xiv) For other HT consumer categories (such as HT Domestic, Sports Complex, Construction Power Supply, Private Educations Institute, Interplant Transfer, etc.), the sale has been considered based on actual sale of respective categories during 2021 – 22.

5.7.3 The category-wise sales projected by WBSEDCL for the years 2023 – 24, 2024 – 25 and 2025 – 26 and actual amount of sales during 2017 – 18 to 2021 – 22 and estimate of 2022 – 23 are as below (sales including consumers in erstwhile DPL area are shown separately since 2019-20):

A. LV & MV consumers sales in MU:

SI No	Sale	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
		Actuals					Estimate	Projected		
1	Labour line									
	DPL TO Area			0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Rest WBSEDCL	1.46	1.20	0.72	0.43	0.65	1.00	1.00	1.00	1.00
2	Life Line									
	DPL TO Area			0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Rest WBSEDCL	335.68	356.00	614.58	583.37	622.85	727.00	848.00	990.00	1155.00
3	LT Domestic									
	DPL TO Area			105.85	104.39	110.75	113.00	116.00	119.00	122.00



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SI No	Sale	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
		Actuals					Estimate	Projected		
	Rest WBSEDCL	9895.44	10478.10	11454.48	12143.69	13147.99	13805.00	14495.00	15220.00	15981.00
4	LT Commercial									
	DPL TO Area			25.61	23.02	27.30	28.53	29.53	30.53	31.53
	Rest WBSEDCL	2545.75	2683.38	2961.95	2594.91	3094.15	3236.05	3384.05	3539.05	3701.05
5	LT Commercial (50 kVA and above)									
	DPL TO Area									
	Rest WBSEDCL	145.17	161.83	186.26	151.59	194.60	209.00	225.00	242.00	260.00
6	LT Industrial									
	DPL TO Area			4.92	3.58	4.18	4.29	4.40	4.51	4.63
	Rest WBSEDCL	960.25	1019.26	1058.40	1002.98	1064.47	1092.00	1085.00	1073.00	1056.00
7	Cold Storage									
	DPL TO Area									
	Rest WBSEDCL						30.00	35.00	40.00	45.00
8	LT Industrial (50 kVA and above)									
	DPL TO Area									
	Rest WBSEDCL	369.49	385.52	417.70	374.13	461.89	490.00	519.00	550.00	583.00
9	LT Agriculture									
	DPL TO Area			0.37	0.16	6.96	6.96	6.96	6.96	6.96
	Rest WBSEDCL	1250.42	1515.55	1398.39	1331.35	1216.93	1229.00	1225.00	1220.00	1215.00
10	LT Public Water Works									
	DPL TO Area			0.02	0.02	0.03	0.04	0.05	0.07	0.09
	Rest WBSEDCL	169.92	205.25	227.73	229.98	277.83	314.00	355.00	401.00	453.00
11	LT Public Bodies									
	DPL TO Area			0.60	0.53	0.53	0.50	0.50	0.50	0.50
	Rest WBSEDCL	37.06	39.58	40.84	28.79	33.16	33.00	33.00	33.00	33.00
12	Government Schools									
	DPL TO Area			0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Rest WBSEDCL				11.66	11.90	12.00	12.00	12.00	12.00
13	Public Lighting									
	DPL TO Area			10.72	11.02	10.62	11.00	11.00	11.00	11.00
	Rest WBSEDCL	323.29	412.43	484.38	452.21	501.44	560.00	625.00	697.00	778.00
14	LT Domestic (50 kVA and above)									
	DPL TO Area									
	Rest WBSEDCL	9.09	9.03	8.53	7.43	7.35	7.00	7.00	7.00	7.00
15	LT Others (50 kVA and above)									
	DPL TO Area									
	Rest WBSEDCL	73.31	81.23	85.65	81.43	89.01	93.00	98.00	103.00	108.00
16	EV Charging									
	DPL TO Area									
	Rest WBSEDCL							1.00	1.50	2.00
17	MES (50 kVA and above)									
	DPL TO Area									
	Rest WBSEDCL							0.00	0.00	0.00



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B. HV and EHV consumers sales in MU:

Sl No	Sale	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
		Actuals					Estimate	Projected		
1	HT Domestic									
	DPL TO Area			6.41	5.91	5.97	5.97	5.97	5.97	5.97
	Rest WBSEDCL	25.37	22.33	25.38	27.10	26.78	27.00	27.00	27.00	27.00
2	HT Commercial									
	DPL TO Area			32.52	23.60	30.18	30.18	30.18	30.18	30.18
	Rest WBSEDCL	861.97	894.65	940.29	704.27	813.40	837.29	874.13	913.13	953.13
3	HT Industrial									
	DPL TO Area			1833.22	1641.87	1816.99	1816.99	1816.99	1816.99	1816.99
	Rest WBSEDCL	6325.00	6706.57	6793.92	6217.51	7210.13	7388.55	7634.00	7888.00	8151.00
4	HT Traction									
	DPL TO Area									
	Rest WBSEDCL	1127.35	1123.71	1195.64	751.15	1193.15	385.73	0.00	0.00	0.00
5	HT Public Utility									
	DPL TO Area			44.70	4.61	4.77	4.77	4.77	4.77	4.77
	Rest WBSEDCL	202.67	219.96	237.16	196.81	222.22	227.00	232.00	237.00	243.00
6	HT Public Water Works									
	DPL TO Area			15.38	15.16	16.29	17.00	17.00	17.00	17.00
	Rest WBSEDCL	252.92	265.05	274.52	281.06	324.06	345.00	367.00	390.00	415.00
7	HT Community Irrigation									
	DPL TO Area									
	Rest WBSEDCL	0.00			0.82	0.71	0.71	0.71	0.71	0.71
8	HT Cold storage & Diary									
	DPL TO Area			0.54	0.14	0.00	0.00	0.00	0.00	0.00
	Rest WBSEDCL	446.99	436.35	416.35	381.14	447.83	448.00	448.00	448.00	448.00
9	HT Sports Complex & Auditorium									
	DPL TO Area			0.10	0.05	0.05	0.05	0.05	0.05	0.05
	Rest WBSEDCL	5.56	4.88	4.73	2.77	3.42	3.50	3.50	3.50	3.50
10	Construction Power									
	DPL TO Area			0.39	0.33	0.27	0.27	0.27	0.27	0.27
	Rest WBSEDCL	11.35	11.44	10.14	7.82	10.74	11.00	11.00	11.00	11.00
11	Private Educational Institutes									
	DPL TO Area			3.94	1.87	2.20	2.20	2.20	2.20	2.20
	Rest WBSEDCL	28.41	29.17	36.93	17.12	22.86	26.00	30.00	34.00	39.00
12	Commercial Plantation									
	DPL TO Area									
	Rest WBSEDCL	2.90	2.94	2.48	2.43	3.03	3.00	3.00	3.00	3.00
13	Common Services for Industrial Estate									
	DPL TO Area									
	Rest WBSEDCL	0.24	0.21	0.22	0.18	0.24	0.24	0.24	0.24	0.24
14	Emergency supply									
	DPL TO Area									
	Rest WBSEDCL	2.63	2.02	4.54	1.36	42.89	42.89	42.89	42.89	42.89
15	MES									
	DPL TO Area									
	Rest WBSEDCL	117.10	114.66	115.23	109.56	117.72	118.00	118.00	118.00	118.00



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Sl No	Sale	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
		Actuals					Estimate	Projected		
16	Metro									
	DPL TO Area									
	Rest WBSEDCL		3.93	9.41	11.06	11.75	17.00	24.00	35.00	50.00
17	Inter plant Transfer to DPL			17.37	13.33	10.33	10.33	10.33	10.33	10.33

5.7.4 The Commission finds it suitable to analyze the sales projection submitted by WBSEDCL for each consumer category on basis of their growth trend as well as detail clarifications/submissions made by WBSEDCL. The sales projection for the base year 2022 – 23 has been estimated by WBSEDCL as per CAGR from 2017 – 18 to 2021 – 22 except for few categories where no growth is seen. The Commission considered the estimation made by WBSEDCL for the base year 2022 – 23 except for LT Domestic Category and HT Industrial Category of WBSEDCL. Now, while projecting the sale for the ensuing years, the CAGR from 2017 – 18 to 2022 – 23, the CAGR from 2018 – 19 to 2022 – 23, the CAGR from 2019 – 20 to 2022 – 23, the CAGR from 2020 – 21 to 2022 – 23 and the annual growth from 2021 – 22 to 2022 – 23 (all figures rounded up to nearest integer) has been considered to analyze the trend of sale along with category specific information submitted by WBSEDCL. The sale during 2020 – 21 was depleted due to the impact of COVID – 19 pandemic and accordingly, the same has not been taken into account for analysis. The following basic methodologies have been considered as a general rule for projection:

- a) Where the growth rates as reflected from CAGRs shows a non-linear trend, the CAGR of the entire duration i.e., 2017 – 18 to 2022 – 23 has been considered;
- b) Where the licensee provides specific reasons for considering a different growth rate, that has been considered with due prudence;
- c) Where there is insufficient data due to new consumer category or sales volume is more or less steady or the loads are temporary in nature, the sale volume of 2022 – 23 has been considered.

5.7.5 The Commission following the above principles analysed category-wise projected sales by WBSEDCL for its own consumers as well as the consumers of erstwhile DPL area (DPL TO Area) for each of the years of eighth control period. Projections made by



WBSEDCL for majority of the categories are found in line with the above narrated principles except for the following categories, which are analysed below:

(i) LT Domestic:

From the sales volume of previous years of WBSEDCL area other than DPL TO Area, the CAGR from 2017 – 18 to 2022 –23, the CAGR from 2018 – 19 to 2022 – 23 and the CAGR from 2019 – 20 to 2022 – 23 comes to 7%, 7% and 6% respectively and the annual growth from 2021 – 22 to 2022 – 23 is estimated as 5% considering the completion of electrification programme by WBSEDCL. The Commission finds it prudent to admit the projected sales during the eighth control period in LT Domestic category as 5%.

(ii) LT Industrial:

From the sales volume of previous years of WBSEDCL area other than DPL TO Area, the CAGR from 2017 – 18 to 2022 –23, the CAGR from 2018 – 19 to 2022 – 23 and the CAGR from 2019 – 20 to 2022 – 23 comes to 3%, 2% and 1% respectively and the annual growth from 2021 – 22 to 2022 – 23 is estimated as 3%. WBSEDCL has projected sales @ -1% without specifying any reason for such projection. In absence of any specific reason, the Commission finds it prudent to admit the projected sales during eighth control period in LT Industrial category as per the CAGR from 2017 – 18 to 2022 –23, i.e., at 3%.

(iii) HT Domestic:

From the sales volume of previous years of WBSEDCL area other than DPL TO Area, the CAGR from 2017 – 18 to 2022 –23, the CAGR from 2018 – 19 to 2022 – 23 and the CAGR from 2019 – 20 to 2022 – 23 comes to 1%, 5% and 2% respectively and the annual growth from 2021 – 22 to 2022 – 23 is estimated as 1%. No growth has been projected by WBSEDCL in ensuing year without specifying any reason. In absence of any specific reason, the Commission finds it prudent to admit the projected sales during eighth control period in HT Domestic category as per the CAGR from 2017 – 18 to 2022 –23, i.e., at 1%.



(iv) HT Industrial:

WBSEDCL has projected 3% growth of HT Industrial consumers for ensuing years considering the CAGR growth of past period. However, in view of Industrial growth projected by the Ministry of Statistics and Programme Implementation, Government of India for the year 2022 – 23, the Commission finds it prudent to admit the projected sales during eighth control period in HT Industrial category at 4.5% over the actual sales of 2021 - 22.

(v) HT Industrial for DPL TO Area:

WBSEDCL in its submission at page 37 of Volume 1 has stated to have considered the growth rate of HT Industrial consumer of DPL TO Area same as that of the WBSEDCL HT Industrial growth. However, from their submission in Annexure 2, no growth for HT Industrial consumers of DPL TO Area has been projected by WBSEDCL. In view of the above, the Commission finds it prudent to admit the projected sales during eighth control period in HT Industrial category for DPL TO Area as 4.5% in line paragraph 5.7.5 (iv) above.

(vi) HT Public Water Works for DPL TO Area:

From the sales volume of previous years of DPL TO Area, the CAGR from 2019 – 20 to 2022 – 23 comes to 3% and the annual growth from 2021 – 22 to 2022 – 23 is estimated as 4%. No growth has been projected by WBSEDCL in ensuing years without specifying any reason. In absence of any specific reason, the Commission finds it prudent to admit the projected sales during eighth control period in HT Public Water Works for DPL TO Area as per the CAGR from 2019 – 20 to 2022 –23, i.e., at 3%.

(vii) HT Commercial Plantation:

From the sales volume of previous years of WBSEDCL area other than DPL TO Area, the CAGR from 2017 – 18 to 2022 –23, the CAGR from 2018 – 19 to 2022 – 23 and the CAGR from 2019 – 20 to 2022 – 23 comes to 1%, 1% and 7%



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respectively and the annual growth from 2021 – 22 to 2022 – 23 is estimated as - 0.89%. No growth has been projected by WBSEDCL in ensuing year without specifying any reason. In absence of any specific reason, the Commission finds it prudent to admit the projected sales during eighth control period in HT Domestic category as per the CAGR from 2017 – 18 to 2022 –23, i.e., at 1%.

5.7.6 In line with the analysis made in paragraph 5.7.5 above the Commission admits sale of 35218.64 MU, 36992.30 MU and 38882.24 MU for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively. The sales projection vis-à-vis admitted figures during eighth control period are tabulated below. The category-wise admitted sales are enclosed in **Annexure-5A**.

Particulars	Unit	2023 – 24		2024 -25		2025 -26	
		Projected	Admitted	Projected	Admitted	Projected	Admitted
Sale in 'DPL TO Area'	MU	2056.19	2138.72	2060.32	2228.38	2064.46	2322.05
Sale in Other WBSEDCL area	MU	32763.51	33079.92	34281.01	34763.92	35895.51	36560.19
Total sale to consumers	MU	34819.70	35218.64	36341.33	36992.30	37959.97	38882.24

5.8 Energy sale to other Licensees:

5.8.1 WBSEDCL has projected sale of power to IPCL for the year 2023 – 24, 2024 – 25 and 2025 – 26 respectively based on the drawal trend of the license during the previous years. WBSEDCL stated that CESC and DVC does not draw any power from WBSEDCL other than exigencies. Hence no drawal has been projected during the eighth control period. It is submitted that, in pursuant to CERC's order dated 05.11.2015, India Railways will take power from WBSEDCL in Licensee Mode as per PPA approved by the Commission. It is also submitted that as per existing agreement between Govt. of West Bengal and Govt. of Sikkim, WBSEDCL will have to make 20% of the sent-out generation of Rammam Hydel Station Stage – II to Govt. of Sikkim at sent out cost of generation of the said Power Station.



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5.8.2 In view of the above the Commission admits the sale of power to IPCL, Indian Railways and Sikkim by WBSEDCL considering the sales projected by WBSEDCL for the year 2023 – 24, 2024 – 25 and 2025 – 2026 as below:

Particulars	2020 – 21		2021 – 22		2022 – 23	
	Projected	Admitted	Projected	Admitted	Projected	Admitted
IPCL (WBSEDCL Bus)	64.63	64.63	64.63	64.63	64.63	64.63
IPCL (STU Bus)	73.49	73.49	73.49	73.49	73.49	73.49
Railways (WBSEDCL Bus)	1205.00	1205.00	1205.00	1205.00	1205.00	1205.00
Railways (STU Bus)	71.00	71.00	71.00	71.00	71.00	71.00
Sikkim	52.00	52.00	52.00	52.00	52.00	52.00
TOTAL	1466.12	1466.12	1466.12	1466.12	1466.12	1466.12

5.8.3 WBSEDCL in their petition has proposed rate for sale of power to the licensees viz. CESC, DVC, IPCL and Indian Railways for each year of the eighth control period. For Sikkim, the sale price is at the rate of sent-out cost of Rammam Hydel Station Stage – II, as per existing agreement between Govt. of West Bengal and Govt. of Sikkim. The Commission considers the income from sale to licensees and Sikkim as projected by WBSEDCL in their petition for ARR determination purpose. But, the Commission does not admit any tariff between the licensees by virtue of this order. Purchasing Licensees have to get their PPA along with the price of procurement approved from the Commission in terms of extent Regulations and respective provision of the Act.

5.9 Energy required for own consumption:

WBSEDCL has projected 75 MU, 76 MU and 77 MU during the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively for consumption at the offices and sub-stations of WBSEDCL. The Commission had admitted 74 MU as own consumption during the year 2022 – 23 considering the trends of actual consumptions during the previous year's and takeover of the distribution system of erstwhile DPL. WBSEDCL submitted that, actual consumption during 2022 – 23 based on unaudited figures is 74 MU. In view of network expansion programs of WBSEDCL, the Commission admits 75 MU, 76 MU and 77 MU as own consumption during the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively. WBSEDCL is directed to submit audited figure based on energy meter data at its various



establishments and works along with petition for Annual Performance Review of respective years.

5.10 Power Purchase Requirement and Power Purchase Cost:

5.10.1 WBSEDCL submitted that, to meet their total energy requirement inclusive of pumping energy for PPSP, they will be continuing to purchase power from different power supply agencies namely West Bengal Power Development Corporation Ltd (in short “WBPDC”), Hiranmaye Energy Limited (in short “HMEL”), NTPC Limited (in short “NTPC”), NHPC Limited (in short “NHPC”), the Damodar Valley Corporation (in short “DVC”) and the PTC India Limited (in short “PTC”) as per existing PPAs and also from the new units of NTPC (North Karanpura), WBPDC (Sagardighi Unit 5), Punatsanchhu HEP and Renewable Energy Purchase from WBPDC, SECI and NHPC. . WBSEDCL also submitted that the generation business of Durgapur Projects Limited (in short “DPL”) has been transferred to WBPDC as a subsidiary and now DPL as a subsidiary is supplying entire generation to WBSEDCL from 01.01.2019 and hence WBSEDCL will also continue to procure such power from DPL. WBSEDCL further submitted that they would purchase power from different co-generation and renewable sources of energy within the State. WBSEDCL also submitted that they would purchase some quantum of power in radial mode from DVC at Asansol, Burdwan and other areas, from Govt. of Sikkim (at 11 kV) at Rangpoo area, from CESC at Hooghly and North 24 Parganas, from Assam at Jhaukathi and Coochbehar and from Jharkhand DISCOMs at Dhulian for serving the border areas where presently state grid is not extended. WBSEDCL also proposes to purchase non-solar power on short-term basis to meet its Renewable Purchase Obligation (RPO). Accordingly, WBSEDCL has projected to purchase a total quantum of 51203.16 MU, 53745.16 MU and 56528.26 MU for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively to meet their demand in addition to their own ex-bus generation including PPSP.

5.10.2 Energy available from own generation stations of WBSEDCL including PPSP for the year 2023 – 24, 2024 – 25 and 2025 – 26 has been admitted as 1911.15 MU, 2099.93 MU and 2150.45 MU respectively considering the following:



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- a) For Hydel and mini hydel power plants, the generation has been projected considering the PLF attained in 2021 - 22 along with normative auxiliary. As these are must run plants the same has been admitted;
- b) For PPSP, the generation projected by WBSEDCL is in line with actual generation during 2021 - 22 and the same has been admitted considering normative level of auxiliary consumption. Pumping energy requirement of PPSP has been admitted considering 74% efficiency;
- c) For solar projects injecting at WBSEDCL bus, the generation has been admitted considering the CUF of 17% and also the commissioning period of the projects as submitted by WBSEDCL. For 125 MW Solar Park at Goaltore injecting at WBSETCL bus, the generation has been admitted considering the CUF of 18.50% as proposed in their investment approval of the project and the commissioning period of the project as submitted by WBSEDCL.
- d) In view of availability of grid power in Sagar Island, no sent out generation from Rudranagar diesel generating station has been projected by WBSEDCL, which has been admitted by the Commission.

Detail computation has been enclosed in **Annexure-5B**.

5.10.3 Keeping the objective of 24x7 uninterrupted supply in the State in mind, the power purchase requirement vis-a-vis the short-fall / excess of power based on the entered and proposed PPAs are analyzed in subsequent paragraphs along with the following considerations:

- a) Normative Plant Availability Factor (PAF) and Normative Auxiliary along with percentage share of WBSEDCL has been considered for thermal generating stations to compute the availability, except in case of followings:
 - (i) The availability from WBPDC (Kolaghat TPS), DPL (Unit 7 and Unit 8) and Hiranmaye Energy Limited has been considered as per the normative availability specified in the Tariff Regulations.



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- (ii) For North Karanpura station of NTPC, Unit 5 of Sagardighi TPP, WBPDC Solar, NHPC Solar and Punatsanchhu HEP, the projection made by WBSEDCL has been considered in view of the proposed synchronisation of the new units.
- b) The availability from the Hydro stations has been considered based on previous years' average generation and share of WBSEDCL in the respective generating stations.
- c) For power generation from small co-generation sources connected to STU availability as projected by WBSEDCL has been considered.
- d) For radial sources, availability as projected by WBSEDCL has been considered.

5.10.4 WBSEDCL also projected for short-term non solar purchase of RE power to the extent of 611 MU, 679 MU and 702 MU during 2023 – 24, 2024 – 25 and 2025 - 26 respectively for fulfilment of their non-solar RPO. The same has been admitted by the Commission. However, WBSEDCL is directed to tie up for long-term PPAs with renewable sources instead of relying on the short-term market.

5.10.5 Considering the already entered PPAs and proposed RE purchase by WBSEDCL, the Commission admits total power purchase of 54047.59 MU, 56589.10 MU and 59374.10 MU during the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively.

WBSEDCL is also directed to review their PPAs in relation to renewable and hydro policies of the government and take appropriate initiatives to sell the available surplus power.

5.10.6 Based on the power purchase quantum as given in the above paragraph 5.10.5, the Commission computes the power purchase cost of WBSEDCL for the years 2023 – 24, 2024 – 25 and 2025 – 26 considering the followings.

- a) The capacity charge payable has been computed considering the latest tariff order published by Appropriate Commission vis-à-vis the share of WBSEDCL or as per



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the PPA approved by the Commission in respective generating stations following the principles of Tariff Regulations.

- b) For inter-state generating stations (ISGS), energy charge rate for 2023 – 24 has been computed based on the average of energy bills for April, 2022 to September, 2022.
- c) For state generating stations having captive coal mine viz. WBPDC and DPL, the energy charge has been considered as per the latest tariff order of the Commission and by taking into account the Monthly Fuel Cost Adjustment for the month of February, 2023 duly rationalizing the same in terms of regulation 5.8.6 and Schedule 9A of the Tariff Regulations.
- d) For NHPC TLDP III, the energy charge has been considered as per the order of the Commission dated 15.06.2022 in Case No. PPA – 30/10 – 11 (II).
- e) For Mangdechhu, the energy charge has been considered as per the order of the Commission dated 28.01.2020 in Case No. PPA – 101/ 19 – 20.
- f) For RE purchase from SECI, the energy charge has been considered as per the PPA approved by the Commission.
- g) For North Karanpura station of NTPC, Unit 5 of Sagardighi TPP, WBPDC Solar, NHPC Solar and Punatsanchhu HEP, the energy charge has been considered as per the projection made by WBSEDCL.
- h) Power purchase rate projected for short-term RE power has been admitted as per projection of WBSEDCL.

Provided that during real time operation, WBSEDCL may purchase power from short-term markets based on power situation prevailing at that time or in case such purchase will ultimately result in reduction of the overall cost of power.



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5.10.7 The power purchase cost admitted by the Commission comes to Rs. 2047399 Lakh, Rs. 2149617 lakh and Rs. 2215245 lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively. The details have been given below.

Particulars	Unit	2023 - 24		2024 - 25		2025 - 26	
		Projected	Admitted	Projected	Admitted	Projected	Admitted
Power Purchase	MU	51203	54047	53745	56589	56528	59374
Power Purchase Cost	Rs Lakh	1944105	2047399	2043622	2149617	2120262	2215245
Average rate	paisa/unit	379.68	378.82	380.24	379.86	375.08	373.10

The details of power availability have been enclosed in **Annexure -5C1, 5C2 & 5C3** and the admitted power purchase cost have been enclosed in **Annexure- 5D1, 5D2 & 5D3** for the years 2023 – 24, 2024 – 25 and 2025 - 26 respectively.

5.10.8 Notwithstanding whatever else is contained elsewhere in contrary to this order, the above referred price and quantum on energy as considered is for the purpose of projection in this tariff order only subject to the following conditions.

- Such price and quantum may be changed / modified by the Commission during the stage of FPPCA on submission of audited data.
- In addition to the above-mentioned price, the purchase cost may vary on applicability of MVCA or MFCA or FCA or FPPCA or any other regulatory order / approval in accordance with the Act and rules / regulations framed there under and any other statute or international bilateral agreement.

5.11 The Commission now draws the energy balance for the years 2023 – 24, 2024 – 25 and 2025 – 26 considering the admitted net generation from different generating stations of WBSEDCL and the purchase of power from different agencies as detailed in the foregoing paragraphs and the sale of energy to own consumers and other licensees as given in Annexure – 5A. Accordingly, the energy balance is shown in the table in **Annexure – 5E**.

For above energy balance distribution loss in the distribution system and the transmission loss in transmission systems of WBSETCL have been considered as per the norms as



specified in the Tariff Regulations. CTU loss has been considered as per the projection made by WBSEDCL.

5.12 It is observed from the energy balance prepared and enclosed as **Annexure – 5E**, that incidental surplus power to the tune of 8436.51 MU, 9486.83 MU and 10494.10 MU will remain in the credit of WBSEDCL for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively (shown as sale to person other than licensee or consumers under sl no 8 and 9 of Annexure -5E). The Commission is of the view that the cheaper sources of power shall be utilized for its consumers first based on merit order principles and thereafter, WBSEDCL shall take appropriate initiatives to sell such incidental surplus power to others or back down some of the generation. Accordingly, the Commission finds it suitable to adjust the cost of such incidental surplus power at the admitted energy charge rate of high-cost power of the respective year from thermal generating stations available with WBSEDCL. Accordingly, the cost of such surplus power comes to Rs. 324326 lakh, Rs. 358793 lakh and Rs. 391831 lakh for the years 2023 – 24, 2024 – 25 and 2025 – 26 respectively. The detail computation is given in **Annexure – 5F**. Actual amount realized by the licensee shall be considered during FPPCA.

5.13 For merit order dispatch, SLDC and ALDC of WBSEDCL shall consider the energy charge of the generating stations as determined in the prevailing relevant tariff orders for the generating companies / licensees.

Monthly Fuel Cost Adjustment (MFCA) or Monthly Variable Cost Adjustment (MVCA) as may be applicable shall be added to the above energy charge for merit order dispatch as notified by WBPDC or DPL or CESC for their respective generating stations or sales as licensee for the concerned month.

For power stations of NTPC and DVC, WBSEDCL shall provide SLDC the average value of fuel related cost on the basis of last three months which are available to WBSEDCL in order to consider such cost for merit order dispatch. Such information shall be given to SLDC on each month for each power station within three working days of receiving the power purchase bill for that power station on the basis of the amount mentioned in the bill. For this purpose, for NTPC the summated amount of base energy charge and fuel price



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adjustment (FPA) shall be considered as effective energy charge. Similarly, for DVC the summation of energy charge and fuel cost surcharge (FCS) shall be considered as effective energy charge. Such effective energy charge shall then be considered by SLDC / ALDC of WBSEDCL for merit order dispatch purpose only. In case of single part tariff where fixed charge recovery through target availability is not done, the tariff itself will be considered as energy charge for merit order dispatch.



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**ANNEXURE-5A
ENERGY SALES TO CONSUMERS**

SL No.	Category of Consumers	Overall admitted sales for WBSEDCL		
		For 2023 – 24	For 2024 – 25	For 2025 – 26
		(in MU)		
A. LT Category				
1	Labour line	1.00	1.00	1.00
2	Lifeline	848.00	990.00	1155.00
3	LT Domestic	14647.35	15395.81	16182.51
4	LT Commercial	3413.57	3569.57	3732.57
5	LT Commercial (50 kVA and above)	225.00	242.00	260.00
6	LT Industrial	1129.16	1163.01	1197.89
7	Cold Storage	35.00	40.00	45.00
8	LT Industrial (50 kVA and above)	519.00	550.00	583.00
9	LT Agriculture	1231.96	1226.96	1221.96
10	LT Public Water Works	355.05	401.07	453.09
11	LT Public Bodies	33.50	33.50	33.50
12	Govt. School	12.00	12.00	12.00
13	Public Lighting	636.00	708.00	789.00
14	LT Domestic (50 kVA and above)	7.00	7.00	7.00
15	LT Others (50 kVA and above)	98.00	103.00	108.00
16	EV Charging	1.00	1.50	2.00
17	MES (50 kVA and above)	0.00	0.00	0.00
Total LT		23192.59	24444.42	25783.52
B. HT Category				
1	HT Domestic	33.24	33.51	33.78
2	HT Commercial	904.31	943.31	983.31
3	HT Industrial	9773.00	10212.00	10671.00
4	Traction	0.00	0.00	0.00
5	HT Public Utility	236.77	241.77	247.77
6	HT Public Water Works	384.51	408.04	433.58
7	HT Community Irrigation	0.71	0.71	0.71
8	Cold Storage & Dairy	448.00	448.00	448.00
9	Sports Complex & Auditorium	3.55	3.55	3.55
10	Construction	11.27	11.27	11.27
11	Private Educational	32.20	36.20	41.20
12	Commercial Plantation	3.03	3.06	3.09



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SL No.	Category of Consumers	Overall admitted sales for WBSEDCL		
		For 2023 – 24	For 2024 – 25	For 2025 – 26
		(in MU)		
13	Common Service for Industrial Estate	0.24	0.24	0.24
14	Emergency Supply	42.89	42.89	42.89
15	MES	118.00	118.00	118.00
16	Metro	24.00	35.00	50.00
17	Interplant Transfer	10.33	10.33	10.33
Total HT		12026.05	12547.88	13098.72
Overall Total Sale (A + B)		35218.64	36992.30	38882.24



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**ANNEXURE-5B
POWER FROM OWN GENERATING STATIONS**

SL No.	Generating Station	Capacity (In MW)	Gross Gen (In MU)			Ex-bus (In MU)		
			2023-24	2024-25	2025-26	2023-24	2024-25	2025-26
A. Generation available from WBSEDCL Own Plants (at EHV)								
Hydel								
1	Jaldhaka Hydel Power Station Stage I	36.00	155.33	155.33	155.33	153.78	153.78	153.78
2	Rammam Hydel Power Station	51.00	268.31	268.31	268.31	265.63	265.63	265.63
sub-total						419.41	419.41	419.41
Mini Hydel								
3	Jaldhaka Hydel Power Station Stage II	8.00	22.86	22.86	22.86	22.63	22.63	22.63
4	TCF Hydel Power Station PS - I	22.50	26.23	26.23	26.23	25.97	25.97	25.97
5	TCF Hydel Power Station PS - II	22.50	24.22	24.22	24.22	23.98	23.98	23.98
6	TCF Hydel Power Station PS - III	22.50	22.01	22.01	22.01	21.79	21.79	21.79
sub-total						94.37	94.37	94.37
7	Purulia Pump Storage	900.00	1183.40	1183.40	1183.40	1163.28	1163.28	1163.28
8	Solar - WBSETCL Bus	125.00		151.55	202.07		151.55	202.07
TOTAL (A)						1677.06	1828.61	1879.13
B. Generation available from WBSEDCL Own Plants (at HV)								
Mini Hydel								
1	Kurseong Fazi Micro Hydel Power Station	1.20	5.54	5.54	5.54	5.48	5.48	5.48
2	Little Rangit Micro Hydel Power Station	2.00	5.24	5.24	5.24	5.19	5.19	5.19
3	Sidrabong Micro Hydel Power Station	0.60	0.18	0.18	0.18	0.18	0.18	0.18
4	Richington Micro Hydel Power Station	2.00	5.47	5.47	5.47	5.41	5.41	5.41
5	Mangoo Kalikhola Micro Hydel Power Station	3.00	6.65	6.65	6.65	6.58	6.58	6.58
6	Messanjore	4.00	10.08	10.08	10.08	9.98	9.98	9.98
Diesel								
7	Rudranagar Diesel Power Station	0.82				0.00	0.00	0.00
sub-total								
8	Solar – WBSEDCL Bus	150.15 - 160.15	201.27	238.50	238.50	201.27	238.50	238.50
TOTAL (B)						234.09	271.32	271.32
OVERALL (A + B)						1911.15	2099.93	2150.45



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**ANNEXURE-5C1
ENERGY TO BE PURCHASED IN 2023-24**

SL No.	Name of Agency	Installed capacity	Aux	Exbus	PAF M	Ex-bus Availability/ Design Energy	WBSEDCL Share			MU Proposed	Purchase Admitted		
		MW	%	MW	%	MU	%	MW	MU		MU		
A	Injecting in CTU												
1	Farakka TPS Stage I & II	1600	6.78%	1491.5	85%	11105.71	31.93%	476.24	3546	3546	3546		
2	Farakka TPS Stage III	500	6.25%	468.75	85%	3490.31	37.64%	176.43	1314	1314	1314		
3	Kahalgaoon Stage I	840	9.00%	764.40	85%	5691.72	6.07%	46.40	345	345	345		
4	Talcher STPS	1000	7.05%	929.50	85%	6921.06	9.21%	85.61	637	637	637		
5	Darlipali	1600	6.25%	1500.00	85%	11169.00	18.35%	275.25	2050	2050	2050		
6	NHPC (Rangit)	60	1.2%	59.28	90%	Based on average actual purchase of last five years				96	92		
7	NHPC (Teesta V)	510	1.2%	503.88	87%					617	641		
8	PTC (Chukhha)	336			581					561			
9	PTC (Kurichhu)	60			24					37			
10	PTC (Tala)	1020			1059					1093			
11	PTC (Mangdechu)	720			899					963			
12	TPTCL (Dagachhu HEP)	126			587					561			
13	Punatsanchu HEP				501					501			
14	PTC (Adhunik)	540	9%		85%					100	678	722	722
15	DVC (Mejia V)	250	9%	227.5	85%					1693.97	20%	45.50	339
16	TPTCL (Maithon Right Bank)	1050	5.75%	989.63	85%	7368.75	28.57%	282.75	2105	2105			
17	NVVN Bundled Power Solar								64	64			
18	NVVN Bundled Power Thermal								287	287			
19	SECI - Wind								263	263			
20	SECI - Hybrid								308	308			
21	SECI - RTC								701	701			
22	NHPC - Solar								125	125			
23	Short Term for Non-Solar RPO								611	611			
	sub-Total									17781	17866		



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SL No.	Name of Agency	Installed capacity	Aux	Exbus	PAF M	Ex-bus Availability / Design Energy	WBSEDCL Share			MU Proposed	Purchase Admitted
		MW	%	MW	%	MU	%	MW	MU		MU
B	Injecting in STU										
1	Kolaghat TPS	840	9.6%	1139.04	75%	4989.00	100%			3772.72	4989
2	Bakreswar TPS	1050	9.0%	955.50	85%	7114.65				7114.65	7115
3	Bandel TPS Stage I	60	10.4%	53.76	70%	329.66				329.66	330
4	Bandel TPS Stage II (U#5)	215	9.0%	195.65	85%	1456.81				1456.81	1457
5	Santaldih TPS	500	9.0%	455	85%	3387.93				3387.93	3388
6	Sagardighi TPS (U#1 &U#2)	600	9.0%	546	85%	4065.52				4065.52	4066
7	Sagardighi TPS (U#3 &U#4)	1000	9.0%	910	85%	6775.86				6775.86	6776
8	NHPC (TLDP III)	132	1.2%	130.42	77%	594.07				594.07	563
9	NHPC (TLDP IV)	160	1.2%	158.08	85%	717.72				717.72	709
10	DPL (U#7)	300	8.5%	274.50	85%	2043.93				828.06	2044
11	DPL (U#8)	250	9.0%	227.50	85%	1693.97				1444.50	1694
12	Hiranmaye Energy Limited	300	10.50%	270.00	85%	1999.25				1882.08	1999
13	Bengal Energy Limited								289.68	289.68	
14	Electro Steel Casting Limited								16.57	16.57	
15	Himadri Chemical Ltd 12 MW								3.67	3.67	
16	Himadri Chemical Ltd 8MW								48.48	48.48	
17	Himadri Chemical Ltd 12 MW #2								54.60	54.60	
18	Nippon Power Limited								13.04	13.04	
19	Neora Hydro Limited								9.66	9.66	
20	Rashmi Cement Ltd								2.83	2.83	
21	Reshmi Ispat								8.03	8.03	
22	Solitaire								6.58	6.58	
23	Shree Renuka Sugar								7.02	7.02	
24	WBPDC Solar								35.92	35.92	
25	Alaknand Balmukund								4.49	4.49	
	sub-Total									32872.57	35630.57
C	Injecting in WBSEDCL system										
1	CESC Ltd									14.20	14.20
2	DVC (radial)									506.10	506.10
3	WBREDA									11.14	11.14
4	Assam Power									0.77	0.77
5	Jharkhand Bijli									0.07	0.07
6	Gov. Sikkim Rangpo									0.42	0.42
7	WBPDC Solar									18.32	18.32
	sub-Total									551.02	551.02
	OVERALL POWER PURCHASE									51203	54047.59



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**ANNEXURE-5C2
ENERGY TO BE PURCHASED IN 2024-25**

SL No.	Name of Agency	Installed capacity	Aux	Exbus	PAF M	Ex-bus Availability/ Design Energy	WBSEDCL Share			MU Proposed	Purchase Admitted	
		MW	%	MW	%	MU	%	MW	MU		MU	
A	Injecting in CTU											
1	Farakka TPS Stage I & II	1600	6.78%	1491.5	85%	11105.71	31.93%	476.24	3546	3546	3546	
2	Farakka TPS Stage III	500	6.25%	468.75	85%	3490.31	37.64%	176.43	1314	1314	1314	
3	Kahalgaon Stage I	840	9.00%	764.40	85%	5691.72	6.07%	46.40	345	345	345	
4	Talcher STPS	1000	7.05%	929.50	85%	6921.06	9.21%	85.61	637	637	637	
5	North Karanpura	1980	6.25%	1856.25	85%	13821.64	5.00%	92.81	691	170	170	
6	Darlipali	1600	6.25%	1500.00	85%	11169.00	18.35%	275.25	2050	2050	2050	
7	NHPC (Rangit)	60	1.2%	59.28	90%					96	92	
8	NHPC (Teesta V)	510	1.2%	503.88	87%					617	641	
9	PTC (Chukhha)	336								581	561	
10	PTC (Kurichhu)	60								24	37	
11	PTC (Tala)	1020								1059	1093	
12	PTC (Mangdechhu)	720								899	963	
13	TPTCL (Dagachhu HEP)	126								587	561	
14	Punatsanchu HEP									501	501	
15	PTC (Adhunik)	540	9%		85%			100	678	722	722	
16	DVC (Mejia V)	250	9%	227.5	85%	1693.97	20%	45.50	339	339	339	
17	TPTCL (Maithon Right Bank)	1050	5.75%	989.63	85%	7368.75	28.57%	282.75	2105	2105	2105	
18	NVVN Bundled Power Solar									64	64	
19	NVVN Bundled Power Thermal									287	287	
20	SECI - Wind									263	263	
21	SECI - Hybrid									308	308	
22	SECI - RTC									701	701	
23	NHPC - Solar									167	167	
24	Short Term for Non-Solar RPO									678	678	
	sub-Total									18060	18145	



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SL No.	Name of Agency	Installed capacity	Aux	Exbus	PAF M	Ex-bus Availability / Design Energy	WBSEDCL Share			MU Proposed	Purchase Admitted
		MW	%	MW	%	MU	%	MW	MU		MU
B	Injecting in STU										
1	Kolaghat TPS	840	9.6%	1139.04	75%	4989.00	100%			3772.72	4989
2	Bakreswar TPS	1050	9.0%	955.50	85%	7114.65		7114.65	7115		
3	Bandel TPS Stage I	60	10.4%	53.76	70%	329.66		329.66	330		
4	Bandel TPS Stage II (U#5)	215	9.0%	195.65	85%	1456.81		1456.81	1457		
5	Santaldih TPS	500	9.0%	455	85%	3387.93		3387.93	3388		
6	Sagardighi TPS (U#1 &U#2)	600	9.0%	546	85%	4065.52		4065.52	4066		
7	Sagardighi TPS (U#3 &U#4)	1000	9.0%	910	85%	6775.86		6775.86	6776		
8	Sagardighi TPS (#5)	660						2236.03	2236		
9	NHPC (TLDP III)	132	1.2%	130.42	77%	Availability based on last five years generation		594.07	563		
10	NHPC (TLDP IV)	160	1.2%	158.08	85%			717.72	709		
11	DPL (U#7)	300	8.5%	274.50	85%	2043.93		828.06	2044		
12	DPL (U#8)	250	9.0%	227.50	85%	1693.97		1444.50	1694		
13	Hiranmaye Energy Limited	300	10.50%	270.00	85%	1999.25		1882.08	1999		
14	Bengal Energy Limited						289.68	289.68			
15	Electro Steel Casting Limited						16.57	16.57			
16	Himadri Chemical Ltd 12 MW						3.67	3.67			
17	Himadri Chemical Ltd 8MW						48.48	48.48			
18	Himadri Chemical Ltd 12 MW #2						54.60	54.60			
19	Nippon Power Limited						13.04	13.04			
20	Neora Hydro Limited						9.66	9.66			
21	Rashmi Cement Ltd						2.83	2.83			
22	Reshmi Ispat						8.03	8.03			
23	Solitaire						6.58	6.58			
24	Shree Renuka Sugar						7.02	7.02			
25	WBPDC Solar						61.26	61.26			
26	Alaknand Balmukund						4.49	4.49			
	sub-Total								35131.52	37891.91	
C	Injecting in WBSEDCL system										
1	CESC Ltd								14.20	14.20	
2	DVC (radial)								506.10	506.10	
3	WBREDA								11.14	11.14	
4	Assam Power								0.77	0.77	
5	Jharkhand Bijli								0.07	0.07	
6	Gov. Sikkim Rangpo								0.42	0.42	
7	WBPDC Solar								19.49	19.49	
	sub-Total								552.19	552.19	
	OVERALL POWER PURCHASE								53745	56589.10	



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**ANNEXURE-5C3
ENERGY TO BE PURCHASED IN 2025-26**

SL No.	Name of Agency	Installed capacity	Aux	Exbus	PAF M	Ex-bus Availability/ Design Energy	WBSEDCL Share		MU Proposed	Purchase Admitted	
		MW	%	MW	%	MU	%	MW			MU
A	Injecting in CTU										
1	Farakka TPS Stage I & II	1600	6.78%	1491.5	85%	11105.71	31.93%	476.24	3546	3546	3546
2	Farakka TPS Stage III	500	6.25%	468.75	85%	3490.31	37.64%	176.43	1314	1314	1314
3	Kahalgaoon Stage I	840	9.00%	764.40	85%	5691.72	6.07%	46.40	345	345	345
4	Talcher STPS	1000	7.05%	929.50	85%	6921.06	9.21%	85.61	637	637	637
5	North Karanpura	1980	6.25%	1856.25	85%	13821.64	5.00%	92.81	691	691	691
6	Darlipali	1600	6.25%	1500.00	85%	11169.00	18.35%	275.25	2050	2050	2050
7	NHPC (Rangit)	60	1.2%	59.28	90%					96	92
8	NHPC (Teesta V)	510	1.2%	503.88	87%					617	641
9	PTC (Chukhha)	336								581	561
10	PTC (Kurichhu)	60								24	37
11	PTC (Tala)	1020								1059	1093
12	PTC (Mangdechhu)	720								899	963
13	TPTCL (Dagachhu HEP)	126								587	561
14	Punatsanchu HEP									1040	1040
15	PTC (Adhunik)	540	9%		85%			100	678	722	722
16	DVC (Mejia V)	250	9%	227.5	85%	1693.97	20%	45.50	339	339	339
17	TPTCL (Maithon Right Bank)	1050	5.75%	989.63	85%	7368.75	28.57%	282.75	2105	2105	2105
18	NVVN Bundled Power Solar									64	64
19	NVVN Bundled Power Thermal									287	287
20	SECI - Wind									263	263
21	SECI - Hybrid									308	308
22	SECI - RTC									701	701
23	SECI - Solar									583	583
24	NHPC - Solar									167	167
25	Short Term for Non-Solar RPO									702	702
	sub-Total									19727	19812



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SL No.	Name of Agency	Installed capacity	Aux	Exbus	PAFM	Ex-bus Availability / Design Energy	WBSEDCL Share			MU Proposed	Purchase Admitted
		MW	%	MW	%	MU	%	MW	MU		MU
B	Injecting in STU										
1	Kolaghat TPS	840	9.6%	1139.04	75%	4989.00				3772.72	4989
2	Bakreswar TPS	1050	9.0%	955.50	85%	7114.65				7114.65	7115
3	Bandel TPS Stage I	60	10.4%	53.76	70%	329.66				329.66	330
4	Bandel TPS Stage II (U#5)	215	9.0%	195.65	85%	1456.81				1456.81	1457
5	Santaldih TPS	500	9.0%	455	85%	3387.93				3387.93	3388
6	Sagardighi TPS (U#1 &U#2)	600	9.0%	546	85%	4065.52				4065.52	4066
7	Sagardighi TPS (U#3 &U#4)	1000	9.0%	910	85%	6775.86			100%	6775.86	6776
8	Sagardighi TPS (#5)	660								3354.05	3354
8	NHPC (TLDP III)	132	1.2%	130.42	77%	Availability based on last five years generation				594.07	563
9	NHPC (TLDP IV)	160	1.2%	158.08	85%						717.72
10	DPL (U#7)	300	8.5%	274.50	85%	2043.93				828.06	2044
11	DPL (U#8)	250	9.0%	227.50	85%	1693.97				1444.50	1694
12	Hiranmaye Energy Limited	300	10.50%	270.00	85%	1999.25				1882.08	1999
13	Bengal Energy Limited									289.68	289.68
14	Electro Steel Casting Limited									16.57	16.57
15	Himadri Chemical Ltd 12 MW									3.67	3.67
16	Himadri Chemical Ltd 8MW									48.48	48.48
17	Himadri Chemical Ltd 12 MW #2									54.60	54.60
18	Nippon Power Limited									13.04	13.04
19	Neora Hydro Limited									9.66	9.66
20	Rashmi Cement Ltd									2.83	2.83
21	Reshmi Ispat									8.03	8.03
22	Solitaire									6.58	6.58
23	Shree Renuka Sugar									7.02	7.02
24	WBPDC Solar									61.26	61.26
25	Alaknand Balmukund									4.49	4.49
	sub-Total									36249.54	39009.91
C	Injecting in WBSEDCL system										
1	CESC Ltd									14.20	14.20
2	DVC (radial)									506.10	506.10
3	WBREDA									11.14	11.14
4	Assam Power									0.77	0.77
5	Jharkhand Bijli									0.07	0.07
6	Gov. Sikkim Rangpo									0.42	0.42
7	WBPDC Solar									19.49	19.49
	sub-Total									552.19	552.19
	OVERALL POWER PURCHASE									56528	59374.10



MYT 8th Control Period and Tariff Order of WBSEDCL for the year 2023 –24

**ANNEXURE-5D1
POWER PURCHASE COST FOR 2023-24**

Sl No	Name of Agency	Annual AFC as per Tariff Order	Energy charge rate	Purchase Admitted	Power Purchase cost		
					Fixed Charge	Energy Charge	Total Charge
					lakh	Paisa/kWh	MU
A	Injecting in CTU						
1	Farakka TPS Stage I & II	92343.77	402.33	3546	29485	142668	172153
2	Farakka TPS Stage III	52543.68	384.27	1314	19777	50484	70261
3	Kahalgaoon Stage I	60363.09	384.64	345	3664	13289	16953
4	Talcher STPS	67400.51	203.85	637	6208	12994	19202
5	Darlipali		116.02	2050	34053	23778	57831
6	NHPC (Rangit)	11217.75	190.50	92	1590	1747	3337
7	NHPC (Teesta V)	52031.58	116.30	641	6239	7460	13699
8	PTC (Chukhha)		240.16	561		13470	13470
9	PTC (Kurichhu)		217.00	37		797	797
10	PTC (Tala)		227.00	1093		24807	24807
11	PTC (Mangdechu)		419.00	963		40329	40329
12	TPTCL (Dagachhu HEP)		394.00	561		22091	22091
13	Punatsanchu HEP		419.00	501		21011	21011
14	PTC (Adhunik)		440.00	722		31759	31759
15	DVC (Mejia V)	20040.85	388.41	339	4008	13159	17167
16	TPTCL (Maithon Right Bank)	108567.52	272.16	2105	31019	57299	88318
17	NVVN Bundled Power Solar		1071.20	64		6841	6841
18	NVVN Bundled Power Thermal		679.06	287		19461	19461
19	SECI - Wind		307.00	263		8068	8068
20	SECI - Hybrid		248.00	308		7647	7647
21	SECI - RTC		297.00	701		20828	20828
22	NHPC - Solar		250.00	125		3126	3126
23	Short Term for Non-Solar RPO		307.00	611		18763	18763
	sub-Total			17866	136043	561876	697919



MYT 8th Control Period and Tariff Order of WBSEDCL for the year 2023 –24

Sl No	Name of Agency	Annual AFC as per Tariff Order	Energy charge rate	Purchase Admitted	Power Purchase cost					
					lakh	Paisa/kWh	MU	Fixed Charge	Energy Charge	Total Charge
								Rs lakh		
B	Injecting in STU									
1	Kolaghat TPS	50231	328.00	4989	50231	163639	213870			
2	Bakreswar TPS	79115	224.00	7115	79115	159368	238483			
3	Bandel TPS Stage I	5461	329.00	330	5461	10846	16307			
4	Bandel TPS Stage II (U#5)	15176	257.00	1457	15176	37440	52616			
5	Santaldih TPS	45016	302.00	3388	45016	102315	147331			
6	Sagardighi TPS (U#1 &U#2)	37321	173.00	4066	37321	70333	107654			
7	Sagardighi TPS (U#3 &U#4)	98198	199.00	6776	98198	134840	233038			
8	NHPC (TLDP III)		557.00	563		31358	31358			
9	NHPC (TLDP IV)		430.65	709		30545	30545			
10	DPL (U#7)	25424	201.62	2044	25424	41210	66634			
11	DPL (U#8)	40998	209.56	1694	40998	35499	76497			
12	Hiranmaye Energy Limited	39945	336.77	1999	39945	67329	107274			
13	Bengal Energy Limited		284.00	289.68		8227	8227			
14	Electro Steel Casting Limited		253.00	16.57		419	419			
15	Himadri Chemical Ltd 12 MW		200.00	3.67		73	73			
16	Himadri Chemical Ltd 8MW		334.00	48.48		1619	1619			
17	Himadri Chemical Ltd 12 MW #2		200.00	54.60		1092	1092			
18	Nippon Power Limited		360.00	13.04		469	469			
19	Neora Hydro Limited		360.00	9.66		348	348			
20	Rashmi Cement Ltd		204.00	2.83		58	58			
21	Reshmi Ispat		222.00	8.03		178	178			
22	Solitaire		1152.00	6.58		758	758			
23	Shree Renuka Sugar		275.00	7.02		193	193			
24	WBPDC Solar		85.00	35.92		305	305			
25	Alaknand Balmukund		200.00	4.49		90	90			
	sub-Total			35630.57	436885	898551	1335436			
C	Injecting in WBSEDCL system									
1	CESC Ltd		654.02	14.20		929	929			
2	DVC (radial)		252.08	506.10		12758	12758			
3	WBREDA		85.00	11.14		95	95			
4	Assam Power		948.04	0.77		73	73			
5	Jharkhand Bijli		1417.92	0.07		10	10			
6	Gov. Sikkim Rangpo		550.00	0.42		23	23			
7	WBPDC Solar		85.00	18.32		156	156			
	sub-Total			551.02	0	14044	14044			
OVERALL POWER PURCHASE COST				54047.59	572928	1474471	2047399			



MYT 8th Control Period and Tariff Order of WBSEDCL for the year 2023 –24

**ANNEXURE-5D2
POWER PURCHASE COST FOR 2024-25**

Sl No	Name of Agency	Annual AFC as per Tariff Order	Energy charge rate	Purchase Admitted	Power Purchase cost		
					Fixed Charge	Energy Charge	Total Charge
					lakh	Paisa/kWh	MU
A	Injecting in CTU						
1	Farakka TPS Stage I & II	92343.77	402.33	3546	29485	142668	172153
2	Farakka TPS Stage III	52543.68	384.27	1314	19777	50484	70261
3	Kahalgaon Stage I	60363.09	384.64	345	3664	13289	16953
4	Talcher STPS	67400.51	203.85	637	6208	12994	19202
5	North Karanpura		116.01	170	2831	1977	4808
6	Darlipali		116.02	2050	34053	23778	57831
7	NHPC (Rangit)	11217.75	190.50	92	1590	1747	3337
8	NHPC (Teesta V)	52031.58	116.30	641	6239	7460	13699
9	PTC (Chukhha)		240.16	561		13470	13470
10	PTC (Kurichhu)		217.00	37		797	797
11	PTC (Tala)	Based on PPA	227.00	1093		24807	24807
12	PTC (Mangdechu)		461.00	963		44372	44372
13	TPTCL (Dagachhu HEP)		401.00	561		22484	22484
14	Punatsanchu HEP		419.00	501		21011	21011
15	PTC (Adhunik)		440.00	722		31759	31759
16	DVC (Mejia V)	20040.85	388.41	339	4008	13159	17167
17	TPTCL (Maithon Right Bank)	108567.52	272.16	2105	31019	57299	88318
18	NVVN Bundled Power Solar		1071.20	64		6841	6841
19	NVVN Bundled Power Thermal		679.06	287		19461	19461
20	SECI - Wind		307.00	263		8068	8068
21	SECI - Hybrid		248.00	308		7647	7647
22	SECI - RTC		305.70	701		21438	21438
23	NHPC - Solar		250.00	167		4164	4164
24	Short Term for Non-Solar RPO		307.00	678		20836	20836
	sub-Total			18145	138874	572010	710884



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MYT 8th Control Period and Tariff Order of WBSEDCL for the year 2023 –24

Sl No	Name of Agency	Annual AFC as per Tariff Order	Energy charge rate	Purchase Admitted	Power Purchase cost		
					Fixed Charge	Energy Charge	Total Charge
					Rs lakh		
		lakh	Paisa/kWh	MU			
B	Injecting in STU						
1	Kolaghat TPS	50231	328.00	4989	50231	163639	213870
2	Bakreswar TPS	79115	224.00	7115	79115	159368	238483
3	Bandel TPS Stage I	5461	329.00	330	5461	10846	16307
4	Bandel TPS Stage II (U#5)	15176	257.00	1457	15176	37440	52616
5	Santaldih TPS	45016	302.00	3388	45016	102315	147331
6	Sagardighi TPS (U#1 &U#2)	37321	173.00	4066	37321	70333	107654
7	Sagardighi TPS (U#3 &U#4)	98198	199.00	6776	98198	134840	233038
8	Sagardighi TPS (#5)		199.00	2236	44530	44497	89027
9	NHPC (TLDP III)		557.00	563		31358	31358
10	NHPC (TLDP IV)		430.65	709		30545	30545
11	DPL (U#7)	25424	201.62	2044	25424	41210	66634
12	DPL (U#8)	40998	209.56	1694	40998	35499	76497
13	Hiranmaye Energy Limited	39945	336.77	1999	39945	67329	107274
14	Bengal Energy Limited		284.00	289.68		8227	8227
15	Electro Steel Casting Limited		253.00	16.57		419	419
16	Himadri Chemical Ltd 12 MW		200.00	3.67		73	73
17	Himadri Chemical Ltd 8MW		334.00	48.48		1619	1619
18	Himadri Chemical Ltd 12 MW #2		200.00	54.60		1092	1092
19	Nippon Power Limited		360.00	13.04		469	469
20	Neora Hydro Limited		360.00	9.66		348	348
21	Rashmi Cement Ltd		204.00	2.83		58	58
22	Reshmi Ispat		222.00	8.03		178	178
23	Solitaire		1152.00	6.58		758	758
24	Shree Renuka Sugar		275.00	7.02		193	193
25	WBPDC Solar		85.00	61.26		521	521
26	Alaknand Balmukund		200.00	4.49		90	90
	sub-Total			37891.91	481415	943264	1424679
C	Injecting in WBSEDCL system						
1	CESC Ltd		654.02	14.20		929	929
2	DVC (radial)		252.08	506.10		12758	12758
3	WBREDA		85.00	11.14		95	95
4	Assam Power		948.04	0.77		73	73
5	Jharkhand Bijli		1417.92	0.07		10	10
6	Gov. Sikkim Rangpo		550.00	0.42		23	23
7	WBPDC Solar		85.00	19.49		166	166
	sub-Total			552.19		14054	14054
OVERALL POWER PURCHASE COST				56589.10	620289	1529328	2149617



**ANNEXURE-5D3
POWER PURCHASE COST FOR 2025-26**

Sl No	Name of Agency	Annual AFC as per Tariff Order	Energy charge rate	Purchase Admitted	Power Purchase cost		
					Fixed Charge	Energy Charge	Total Charge
					lakh	Paisa/kWh	MU
A	Injecting in CTU						
1	Farakka TPS Stage I & II	92343.77	402.33	3546	29485	142668	172153
2	Farakka TPS Stage III	52543.68	384.27	1314	19777	50484	70261
3	Kahalgaoon Stage I	60363.09	384.64	345	3664	13289	16953
4	Talcher STPS	67400.51	203.85	637	6208	12994	19202
5	North Karanpura		116.02	691	11483	8018	19501
6	Darlipali		116.02	2050	34053	23778	57831
7	NHPC (Rangit)	11217.75	190.50	92	1590	1747	3337
8	NHPC (Teesta V)	52031.58	116.30	641	6239	7460	13699
9	PTC (Chukhha)		240.16	561		13470	13470
10	PTC (Kurichhu)		217.00	37		797	797
11	PTC (Tala)		227.00	1093		24807	24807
12	PTC (Mangdechu)		461.00	963		44372	44372
13	TPTCL (Dagachhu HEP)		401.00	561		22988	22988
14	Punatsanchu HEP		410.00	1040		43568	43568
15	PTC (Adhunik)		440.00	722		31759	31759
16	DVC (Mejia V)	20040.85	388.41	339	4008	13159	17167
17	TPTCL (Maiton Right Bank)	108567.52	272.16	2105	31019	57299	88318
18	NVVN Bundled Power Solar		1071.20	64		6841	6841
19	NVVN Bundled Power Thermal		679.06	287		19461	19461
20	SECI - Wind		307.00	263		8068	8068
21	SECI - Hybrid		248.00	308		7647	7647
22	SECI - RTC		314.66	701		22067	22067
23	SECI - Solar		250.00	583		14573	14573
24	NHPC - Solar		250.00	167		4164	4164
25	Short Term for Non-Solar RPO		307.00	702		21546	21546
	sub-Total			19812	147526	617024	764550



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Sl No	Name of Agency	Annual AFC as per Tariff Order	Energy charge rate	Purchase Admitted	Power Purchase cost					
					lakh	Paisa/kWh	MU	Fixed Charge	Energy Charge	Total Charge
								Rs lakh		
B	Injecting in STU									
1	Kolaghat TPS	50231	328.00	4989	50231	163639	213870			
2	Bakreswar TPS	79115	224.00	7115	79115	159368	238483			
3	Bandel TPS Stage I	5461	329.00	330	5461	10846	16307			
4	Bandel TPS Stage II (U#5)	15176	257.00	1457	15176	37440	52616			
5	Santaldih TPS	45016	302.00	3388	45016	102315	147331			
6	Sagardighi TPS (U#1 &U#2)	37321	173.00	4066	37321	70333	107654			
7	Sagardighi TPS (U#3 &U#4)	98198	199.00	6776	98198	134840	233038			
8	Sagardighi TPS (#5)		199.00	3354	44530	66746	111276			
9	NHPC (TLDP III)		557.00	563		31358	31358			
10	NHPC (TLDP IV)		430.65	709		30545	30545			
11	DPL (U#7)	25424	201.62	2044	25424	25424	50848			
12	DPL (U#8)	40998	209.56	1694	40998	40998	81996			
13	Hiranmaye Energy Limited	39945	336.77	1999	39945	67329	107274			
14	Bengal Energy Limited		284.00	289.68		8227	8227			
15	Electro Steel Casting Limited		253.00	16.57		419	419			
16	Himadri Chemical Ltd 12 MW		200.00	3.67		73	73			
17	Himadri Chemical Ltd 8MW		334.00	48.48		1619	1619			
18	Himadri Chemical Ltd 12 MW #2		200.00	54.60		1092	1092			
19	Nippon Power Limited		360.00	13.04		469	469			
20	Neora Hydro Limited		360.00	9.66		348	348			
21	Rashmi Cement Ltd		204.00	2.83		58	58			
22	Reshmi Ispat		222.00	8.03		178	178			
23	Solitaire		1152.00	6.58		758	758			
24	Shree Renuka Sugar		275.00	7.02		193	193			
25	WBPDC Solar		85.00	61.26		521	521			
26	Alaknand Balmukund		200.00	4.49		90	90			
	sub-Total			39009.91	481415	955226	1436641			
C	Injecting in WBSEDCL system									
1	CESC Ltd		654.02	14.20		929	929			
2	DVC (radial)		252.08	506.10		12758	12758			
3	WBREDA		85.00	11.14		95	95			
4	Assam Power		948.04	0.77		73	73			
5	Jharkhand Bijli		1417.92	0.07		10	10			
6	Gov. Sikkim Rangpo		550.00	0.42		23	23			
7	WBPDC Solar		85.00	19.49		166	166			
	sub-Total			552.19		14054	14054			
OVERALL POWER PURCHASE COST				59374.10	628941	1586304	2215245			



MYT 8th Control Period and Tariff Order of WBSEDCL for the year 2023 –24

ANNEXURE-5E ENERGY BALANCE

Ref	Particulars	Derivation	2023-24	2024-25	2025-26
A	Energy Input				
1	Own Generation		1936.80	2125.58	2176.10
2	Auxiliary Consumption		25.65	25.65	25.65
3	Units delivered to system from generation (including infirm power, if any)	3 = 1-2	1911.15	2099.93	2150.45
(i)	Energy delivered to STU system		1677.06	1828.61	1879.13
(ii)	Energy delivered to Distribution system		234.09	271.32	271.32
4	Energy Purchased				
(i)	Energy purchased at ISTS periphery		17866	18145	19812
(ii)	Energy purchased at STU periphery		35631	37892	39010
(iii)	Energy purchased at Distribution periphery		551.02	552.19	552.19
(iv)	Less: CTU Loss		-602.69	-612.38	-668.39
(v)	Less: STU Loss		-1473.42	-1545.83	-1620.88
5	Energy Received for Wheeling		134.00	134.00	134.00
6	Gross Energy Input	6 = sum (3:5)	54016.63	56664.81	59369.28
7	Energy sold to persons other than licensee or any consumer		8208.73	9230.68	10210.76
8	Additional units allowed by Commission for Sales to persons other than licensee or any consumers		227.79	256.14	283.34
9	Units sold/used for pumping energy of Pumped storage project at Bus bar		1599.19	1599.19	1599.19
10	Additional units allowed by Commission against Pumping Energy for Pumping Loss		44.38	44.38	44.376
11	Units sold to other Licensees		1330.49	1330.49	1330.49
12	Additional Units allowed by Commission for Sales to other licensees		36.92	36.92	36.92
13	Total Energy goes out of System	13 = sum (7:12)	11447.48	12497.80	13505.07
14	Energy input for own system	14 = 6-13	42569.15	44167.02	45864.21



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Ref	Particulars	Derivation	2023-24	2024-25	2025-26
B	Energy utilisation				
A	Units sold to consumers		35218.64	36992.30	38882.24
B	Units sold to Licensees at radial mode		135.63	135.63	135.63
C	Units wheeled		133.33	133.33	133.33
D	Additional Units allowed for wheeling		5.56	5.56	5.56
E	Units utilised in own premises including construction power		75.00	76.00	77.00
F	Unutilised Units		7000.99	6824.21	6630.45
	Total Energy	sum(a:f)	42569.15	44167.02	45864.21
	Distribution loss		16.50%	15.50%	14.50%



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**ANNEXURE-5F
COST OF SALE OF INCIDENTAL SURPLUS POWER**

LONG TERM THERMAL	2023 - 24			
	Admitted Energy Charge Rate	Purchase Admitted	Sale of Surplus	Amount
	p/kWh	MU	MU	Rs Lakhs
PTC (APNRL)	440.00	722	722	31759
NTPC: Farakka TPS Stage I & II	402.33	3546	3546	142668
DVC (Mejia V)	388.41	339	339	13159
NTPC: Kahelgaon Stage I	384.64	345	345	13289
NTPC: Farakka TPS Stage III	384.27	1314	1314	50484
Hiranmaye Energy Limited	336.77	1999.25	1999.25	67329
Bandel TPS Stage I	329.00	329.66	171.38	5638
Expenses Attributable to sale of power other than licensees and consumers			8436.51	324326

LONG TERM THERMAL	2024 – 25			
	Admitted Energy Charge Rate	Purchase Admitted	Sale of Surplus	Amount
	p/kWh	MU	MU	Rs Lakhs
PTC (APNRL)	440.00	722	722	31759
NTPC: Farakka TPS Stage I & II	402.33	3546	3546	142668
DVC (Mejia V)	388.41	339	339	13159
NTPC: Kahelgaon Stage I	384.64	345	345	13289
NTPC: Farakka TPS Stage III	384.27	1314	1314	50484
Hiranmaye Energy Limited	336.77	1999.25	1999.25	67329
Bandel TPS Stage I	329.00	329.66	329.66	10846
Kolaghat TPS	328.00	4989.00	892.04	29259
Expenses Attributable to sale of power other than licensees and consumers			9486.83	358793

LONG TERM THERMAL	2025 – 26			
	Admitted Energy Charge Rate	Purchase Admitted	Sale of Surplus	Amount
	p/kWh	MU	MU	Rs Lakhs
PTC (APNRL)	440.00	722	722	31759
NTPC: Farakka TPS Stage I & II	402.33	3546	3546	142668
DVC (Mejia V)	388.41	339	339	13159
NTPC: Kahelgaon Stage I	384.64	345	345	13289
NTPC: Farakka TPS Stage III	384.27	1314	1314	50484
Hiranmaye Energy Limited	336.77	1999.25	1999.25	67329
Bandel TPS Stage I	329.00	329.66	329.66	10846
Kolaghat TPS	328.00	4989.00	1899.31	62297
Expenses Attributable to sale of power other than licensees and consumers			10494.10	391831



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CHAPTER – 6 FIXED CHARGES

6.1 The analysis of the fixed charges projected by WBSEDCL for the ensuing years 2023-24, 2024-25 and 2025-26 of eighth control period under the Multi Year Tariff (MYT) application under different heads of accounts has been taken up in this chapter. The projected amount of fixed charge is net of the capitalization of the part of expenses under different heads chargeable to ongoing capital construction works.

6.2 The Commission has made prudent analysis of the charges claimed under different heads with reference to reasonableness and the same is discussed item wise below.

6.3 Employee Cost

6.3.1 WBSEDCL has stated that, in order to operate & maintain distribution installations following large growth in number of consumers during last one decade and forthcoming 33 KV substations and allied lines, they have to augment its manpower strength in 2023-24, 2024-25 & 2025-26 to provide quality power supply to the end users. WBSEDCL, in its submission under page 110 of Vol-1, has proposed induction of 1200 heads of manpower during 2022-23. However, number of employees projected in Form 1.17(h) does not matches with the submission. Form 1.17(h) shows increase of 4019 number of manpower during the control period. In view of the actual trends of previous years and the submission made in Vol-1, the Commission decides to consider induction of 1200 manpower during 2023-24 and projects the employee cost for the ensuing years considering the number of employees as 13989 for each year.

Table 6.1(a)

Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Manpower as in Form 1.17(h)	13406	13306	12973	13076	12789	15086	16995	16808
Proposed addition in 1.17(h)						2297	1909	-187
Admitted addition						1200		
Admitted no of Employee					12789	13989	13989	13989



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6.3.2 The projection of employee cost for 2023-24, 2024-25 & 2025-26 is stated to have been made by WBSEDCL considering the employee cost of employees of DPL following takeover of the distribution business of DPL w.e.f 01.01.2019. Dearness Allowance (D.A.) has been considered at the rates of 19%, 26%, 33% of basic salary for first 6 months and 23%, 30%, 37% for next 6 months for FY 23-24, 24-25 and 25-26 respectively. WBSEDCL has further estimated the terminal benefit expenses considering a projected growth rate of 12% for the base year and applied a growth rate of 1% for the ensuing years of the MYT. The employee cost as claimed are net of capitalised employee cost as shown in Form 1.17.h of its petition.

6.3.2 The total amount of employee cost projected by WBSEDCL in respect of own employees for the years 2023-24, 2024-25 and 2025-26 on the basis of Form 1.17 (h) and E(B) inclusive of Director Sitting Fees and net of Other Comprehensive income are shown in the Table below.

Table-6.1

Particular	Rs. Lakhs		
	2023-24 Projected	2024-25 Projected	2025-26 Projected
1. Gross Employee cost	252812	270602	291330
2. Less Other Comprehensive Income	53373	54560	57152
2. Less Capitalized	7682	8359	9137
3. Net Employee Cost (1-2 -3)	191757	207683	225041
4. Director Sitting Fees	12	14	16
5. Total Employee Cost Claimed [3 + 4]	191769	207697	225057

6.3.3 The Commission observes that the figures of Basic Pay and Overtime have been clubbed by WBSEDCL in Form 1.17(h). The Commission therefore proceeds to determine the admissible Employees Cost on the principles mentioned below:

- The Basic Pay as approved in the Tariff order of 2022-23 has been proportionately increased for the no. of employees projected by WBSEDCL and increment of 3% each year has been considered.
- Dearness Allowance percentage as proposed has been considered.



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- c) Other Allowances have been considered as a percentage of Basic Pay in proportion to the admitted amount in 2022-23.
- d) Retirement Benefit and Bonus/Ex-Gratia has been admitted as claimed.
- e) Other Employee Benefits has been considered in proportion to the Basic Pay as per the claim.
- f) Expenses capitalized have been considered in proportion to the claim on Gross Employee Cost.

6.3.4 The Commission thus computes the following admissible amounts towards employee cost including terminal benefits as below:

Table-6.2

Sl No	Particulars	Tariff Order (Rs Lakh)	Claimed by WBSEDCL [Form 1.17(h)] (Rs Lakh)				Proposed for Admission (Rs Lakh)		
			2022-23	2023-24	2024-25	2025-26	2023-24	2024-25	2025-26
	Number of Employees	13256	15086	16995	16808	13989	13989	13989	
1	Basic	75245	100202	105212	111030	81788	84242	86769	
2	DA	15049	21214	29883	39560	17175	23588	30369	
3	Other Allowances	11287	25380	27118	29103	12268	12637	13016	
4	Retirement Benefit (Net of OCI + Leave Encashment)	42209	41659	41427	40485	41659	41427	40485	
5	Bonus, Ex-gratia,	894	1722	1944	2195	1722	1944	2195	
6	Other Employee benefits	7932	9262	10458	11805	7560	8374	9226	
7	Gross Emp cost	152616	199439	216042	234178	162172	172212	182060	
9	Less Capitalized	18314	7682	8359	9137	6247	6663	7103	
10	Net Emp cost [7 - 8 - 9]	134302	191757	207683	225041	155925	165549	174957	
11	Directors' sitting fees		12	14	16	12	14	16	
12	Total Employees Cost [10 + 11]		191769	207697	225057	155937	165563	174973	

6.3.5 It is, however, necessary to mention that the employee costs are uncontrollable and therefore, are subject to adjustments in Annual Performance Review for the year 2023-24, 2024-25 and 2025-26.

6.3.6 The admitted amount is allocated between Generation and Distribution function in 2023-24, 2024-25 & 2025-26 in the ratio of claimed figures of WBSEDCL for such ensuing years. Accordingly, the allocated amount are as follows:



Table- 6.3

Particular	Rs in Lakh		
	2023-24	2024-25	2025-26
Generation	3900	4141	4376
Distribution	152037	161422	170597
Total	155937	165563	174973

WBSEDCL shall ensure up to date payment of contribution towards retirement benefits payable based on actuarial valuation within the corresponding financial year before claiming such amounts in the respective APRs.

6.4 Operation and Maintenance (O&M) Expenses:

WBSEDCL has claimed O&M expenses under the heads of generation & distribution covering expenses of

- i) Repair & Maintenance Expenses (R & M)
- ii) Administrative and General Expenses which are composed of followings
 - Rent and lease charges
 - Legal charges
 - Auditor's expenses, which include auditor's fees, auditor's expenses and payment to auditors in any other capacity or for any work which is necessary to be got done from them and audited.
 - Operation and maintenance (O&M) Expenses for generation

Apart from above, they have also claimed outsourcing expenses for distribution, lease rental expenses and expenditure towards Complaint Management Mechanism.

6.4.1 O&M Expenses for Generating Stations:

- (a) Hydro generating stations: WBSEDCL has projected O&M expenses for its hydro generating plants considering average inflation rate over the normative expenditure allowed in the tariff order for 2022-23. The applicable O&M norms for the years 2023-24, 2024-25 and 2025-26 has already been specified in the fourth amendment



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of the Tariff Regulations, which are considered for computation of O&M expenses for the eighth control period.

- (b) **Solar plants:** At para 6.3.2 of their submission text at Vol-I, WBSEDCL has stated that they have projected the O&M Expenses for Solar Plants @ 0.91 lakh/MW with 5% annual increment applicable till completion of 5 years O&M contract and @ 9.10 lakh/MW with 5% annual increment on completion of 5 years O&M Contract.
- (c) In absence of any specific norms for solar O&M expenses, the Commission decides to determine a benchmark norm for solar O&M during the eighth control period. The solar O&M norms specified by CERC in its Renewable tariff determination Regulations 2009, works out to be 0.53% of capital expenditure with and annual escalation @ 5.72%. Subsequently, CERC in its regulations 2017 and 2020 decided to determine project specific O&M expenses. Keeping in mind the benchmark norm specified in CERC regulations, inflation rates vis-à-vis improved technology and cost reduction, the Commission finds it reasonable to consider O&M expense of solar plants at 1% of capital expenses. Accordingly, the normative O&M for eighth control period is determined as Rs. 5.48 lakh/ MW, Rs. 5.69 lakh/MW and Rs. 5.91 Lakh/MW during the years 2023-24, 2024-25 and 2025-26. based on the approved project cost of different solar PV generating plants in the State. No O&M expense is allowed for projects covered under AMC. Detailed computation is provided in Annexure-6A.
- (d) Accordingly, claim of WBSEDCL as per Form E(B) of their petition for 8th control period and corresponding admitted amounts for the years 2023-24, 2024-25 & 2025-26 as worked out as operation and maintenance expenditure for generating stations of WBSEDCL are furnished below:

Table 6.4

Generation Stations	Installed capacity			Norms (in Rs lakh/MW)			O&M (in Rs. lakh)		
	2023-24	2024-25	2025-26	2023-24	2024-25	2025-26	2023-24	2024-25	2025-26
RAMMAM	51	51	51	16	16.61	17.74	816	847	905
JALDHAKA - 1	36	36	36	22.21	23.05	23.92	800	830	861
PPSP	900	900	900	5	5.19	5.39	4500	4671	4851



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Generation Stations	Installed capacity			Norms (in Rs lakh/MW)			O&M (in Rs. lakh)			
	2023-24	2024-25	2025-26	2023-24	2024-25	2025-26	2023-24	2024-25	2025-26	
SMALL HYDRO	88.3	88.3	88.3	22.22	23.06	23.93	1962	2036	2113	
SOLAR	25	50	75	5.48	5.69	5.91	137	285	443	
							TOTAL	8215	8669	9173

6.4.2 O&M Expenses for Distribution:

6.4.2.1 WBSEDCL in Para 6.4 of its submission in Vol-I has submitted that they have projected the O&M expenses for distribution for the years 2023 – 24, 2024 – 25 and 2025 – 26 based on the average of proportionated O&M expenses as to the Gross Fixed Assets of distribution business for last four years. Further they had also additionally claimed Rs. 12616 lakh, Rs. 14027 lakh and Rs. 34918 lakh for the year 2023-24, 2024-25 & 2025-26 respectively as operation expenditure for Revamped Distribution Sector Scheme (RDSS) of the Central Government to be taken up by WBSEDCL in OPEX model. The total amount claimed under O&M expenditure for Distribution is as below:

Particulars	As Claimed (Rs in Lakh)		
	2023-24	2024-25	2025-26
Repairs & Maint. For Distribution (Incl. consumables)	35474	36732	38222
Administrative & Gen Exp for distribution	20550	21279	22142
Outsourcing Expenses for Distribution	95224	102806	111240
Lease Rental Charges for MPLS-VPN service	1469	1548	1631
Complaint Management Mechanism	406	420	437
Insurance	1557	1557	1557
Rates & Taxes	28639	29815	34668
Sub-Total	183319	194157	209897
Operational Expenditure for RDSS	12616	14027	34918

6.4.2.2 The Commission now proceeds to determine the O&M expenses in line with the Schedule – 9A (D2) of Regulation 5.7.4.1 & 5.7.4.2 of the Tariff Regulations, as amended.

6.4.2.3 Repairs & Maintenance:

The Commission finds that the figures of Gross Fixed Assets (GFA) as on 31.03.2022 as considered by WBSEDCL in Form B tallies with that reflected in their Audited Accounts for that year. The additions and retirements as proposed by WBSEDCL for the year 2023-24, 2024-25 & 2025-26 in Form B for distribution assets has been considered by the



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Commission and accordingly, the admissible R & M expenses for Distribution is computed as below:

Particulars	Derivations	As admitted (Rs in Lakh)		
		2023-24	2024-25	2025-26
GFA opening	A	3170221	3271004	3393545
Add: GFA Added during the year	B	107972	129730	149347
Less: retired during the year	C	7189	7189	7189
GFA Closing	D=A+B-C	3271004	3393545	3535703
Net Asset Addition	E	100783	122541	142158
GFA considered for R&M	F=A+E/2	3220613	3332275	3464624
Norms	G	3.50%	3.64%	3.78%
Normative R&M	H=F*G	112721	121295	130963

The operational expenditure for RDSS as claimed is admitted.

6.4.2.4 Administrative & General Expenses

The Commission in terms of Regulation 5.7.4.1(ii) of the Tariff Regulations as amended proceeds to determine the admissible Administrative & General (A & G) Expenses for distribution for the years 2023-24, 2024-25 & 2025-26 considering the admitted amount of such expenses as per the APR Order for the years 2017-18 to 2020-21 and the admitted amount in the Tariff Order for the year 2021-22. The hybrid inflation index considered for each of the last five years preceding to the base year for normalizing the figures to the base year are as below:

Particulars	2017-18	2018-19	2019-20	2020-21	2021-22
WPI	2.96%	4.26%	1.67%	1.31%	12.97%
CPI	3.10%	5.40%	7.50%	5.00%	5.10%
HI (60% WPI and 40% CPI)	3.02%	4.72%	4.00%	2.79%	9.82%

The Commission decides to apply the same inflation rate of 3.79% as considered for finalizing the norms for the 8th control period in the Tariff Regulations as amended for giving the further escalation from the normalized base year figure to arrive at the admissible A&G expenses for each of the ensuing years as detailed in Annexure 6B. Accordingly, the admissible A&G expense for the years 2023-24, 2024-25 and 2025-26 comes to Rs. 50440 lakh, Rs. 52352 lakh and Rs. 54336 lakh respectively.



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6.4.3 The total O&M Expenses based on the admissions as explained above are as below:

Table-6.9

SI No	Head of O&M Expenses	Rs in Lakh					
		Claim of WBSEDCL			Admitted		
		2023-24	2024-25	2025-26	2023-24	2024-25	2025-26
A	O&M Expenses for Generation	9082	9828	10729	8215	8669	9173
B	R&M Expenses for Distribution	183319	194157	209897	112721	121295	130963
C	A&G Expense for Distribution				50440	52352	54336
D	Operational Expenditure for RDSS	12616	14027	34918	12616	14027	34918
E	Total O&M Expenses (A+B+C+D)	205017	218012	255544	183992	196343	229390

6.5 Depreciation:

6.5.1 WBSEDCL has stated at para 6.11 of their submission text at Vol I that they have computed depreciation for the year 2023-24, 2024-25 & 2025-26 based on the depreciation for the Financial Year 2021-22. They have further submitted to have adjusted the amortization value of Capital Grant and Subsidies and Consumers' contributions towards Capital Assets by way of deducting the same from the gross depreciation. Further, they have stated to have followed depreciation schedule at Annexure A of WBERC Tariff Regulations, 2011.

6.5.2 The Commission vide Regulation 5.6.2 of the Tariff Regulations as amended 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 amended Tariff Regulations, the 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 31st March 2022. Further, regulation 5.6.2 (vii) of the Tariff Regulations as amended 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.

6.5.3 In view of above and in line with paragraph 2.8 of this order, the Commission proceeds to determine the admissible depreciation based on the following methodology:



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- i) Gross Fixed Assets (GFA) as at the end of the Financial Year 2021-22 has been considered from the Audited Accounts and additions during the year 2022-23 to 2025-26 have been considered from Form B of the Petition with the adjustments for Generation Assets of Goaltore 125 MW Project amounting to Rs. 60000 lakhs to be commissioned in 2024-25 as given in the Perspective Plan in Vol-VI of the Petition in place of Rs 10000 lakhs and Rs 50000 lakhs as proposed in Form 1.18 (a). The year-wise asset addition details are given below:

Table-6.10

Particulars	As claimed (Form 1.18, 1.18 (a) & Form B (Rs in Lakh)				As Admitted (Rs in Lakh)			
	2022-23	2023-24	2024-25	2025-26	2022-23	2023-24	2024-25	2025-26
Generation	11724	51736	18878	14383	1724	1736	78878	14383
Distribution	238507	107972	129730	149347	238507	107972	129730	149347
Total Addition	250231	159708	148608	163730	240231	109708	208608	163730

- ii) Based on the figures of Audited Accounts for 2021-22 and the information given in Form 1.18 regarding the GFA created out of Grant/Consumer Contribution, 60% of the Gross Fixed Assets added in each of the ensuing year in distribution function have been considered to be created out of Grant/Consumer contribution.
- iii) 70% of the Gross value of depreciable assets as on 31.03.2022 have been considered to have been depreciated upto 70%.
- iv) The average life of the above category of assets has been computed as 26 years based on the data given in Form B as below:

Table-6.11

F.Y. 2021-22 (Form B)				
GFA	% age of GFA	Rate of Depreciation	Age	Total Life
[1]	[2]	[3]	[4]	[5=2*4]
149493	4.89%	1.80%	50	2.446389
150965	4.94%	2.57%	35	1.729334
2702942	88.46%	3.60%	25	22.11624
19856	0.65%	6%	15	0.09748
32125	1.05%	18%	5	0.052571
3055381	100.00%		Total →	26



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- v) Considering the assets to have reached 70% of depreciation, the balance useful life in which the remaining depreciation is to be spread over has been considered as 6 years [26 – (26*70/90)].
- vi) The remaining value has been equally spread over the remaining life of 6 years.
- vii) 30% of the Gross value of depreciable assets as on 31.03.2022 have been considered to have been depreciated less than 70% and have been depreciated at the rate of 5.28% each year upto 2025-26.
- viii) Depreciation @ 5.28% for 6 months have been considered for the new assets in the year in which they are added.

6.5.4 The admitted depreciation is worked out as below:

Table-6.12

Particulars	Figures in Rs Lakh								
	2021-22	2022-23		2023-24		2024-25		2025-26	
	Audited A/cs	Old	New	Old	New	Old	New	Old	New
GFA Opening	3056302	3268415		3253919	240231	3239423	349939	3224927	558547
GFA Additions during the year	217345		240231		109708		208608		163730
Retired Assets during the year	5232	14496		14496		14496		14496	
GFA as at the end of the year	3268415	3253919	240231	3239423	349939	3224927	558547	3210431	722277
Average GFA			120116		295085		454243		640412
GFA of Fully Depreciated Assets	338176	341558	0	344974		348424		351908	
GFA of Assets out of Govt Grant/Consumer Contribution (1991790	1991790	143104	1991790	207887	1991790	285725	1991790	375333
Free hold Land	9174	9174		9174		9174		9174	
GFA of Depreciable Assets	929275	911397	97127	893485	142052	875539	272822	857559	346944
Depreciation									
70% <Assets Depreciated < 90% -- (70%) A	650493								
Balance 20% asset value to be depreciated for A	130099	21683		21683		21683		21683	
Assets Depreciated < 70% -- (30%) –B	278782	14720		14720		14720		14720	
Depreciation on New Asses added from 01-04-22 @ 5.28%			2564		6314		10952		16362
Total Depreciation		36403	2564	36403	6314	36403	10952	36403	16362
		38967		42717		47355		52765	



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The allocation among generation function and distribution function in 2023-24, 2024-25 & 2025-26 has been done in the ratio of depreciable asset as claimed by WBSEDCL for the corresponding years and comes as below:

Particulars	As admitted (Rs in Lakh)		
	2023-24	2024-25	2025-26
Generation	3789	4880	5327
Distribution	38928	42475	47438
Total	42717	47355	52765

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

6.6 Interest on Bonds for Terminal Benefits to Employees:

6.6.1 WBSEDCL has claimed Interest on Bonds @ 8.5% issued towards creation of Pension Fund for Rs 153000 lakh pertaining to WBSEDCL for an amount of Rs 9971 lakh for each of the ensuing years 2023-24, 2024-25 and 2025-26.

6.6.2 The Commission observes that WBSEDCL issued Pension Trust Bond of Rs. 1,53,000 lakhs through private placement which was guaranteed by Govt of WB towards any shortfall in payment of annual interest and repayment obligations of the company. As per terms of the Govt. of West Bengal Notification No.313-PO/O/III/3R-29/2006 dated 19/09/2008, the Pension Trust Bond was re-payable in 5 equal annual installments after 10 years of moratorium period and accordingly last instalment fell due in 2021-22.

Hence, no interest is admitted under this head for the year 2023-24, 2024-25 & 2025-26 in the Tariff Order.

6.7 Interest on capital borrowings:

6.7.1 WBSEDCL has projected the interest on borrowed capital drawn from various sources at different interest rates furnished in Form C of their Petition. As stated at para 6.8 of their submission text and Form E(B) WBSEDCL has claimed interest of Rs 62009 lakh in 2023-24, Rs 66758 lakh in 2024-25 and Rs 69424 lakh in 2025-26. WBSEDCL has mentioned



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range of interest rates for a particular loan segment without furnishing break up or any weighted average rate.

6.7.2 The 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 as amended considering the following:

a) Asset addition for each of the years from 2021-22 has been considered as below:

Particulars	Figures in Rs Lakh				
	2021-22	2022-23	2023-24	2024-25	2025-26
Asset addition	217345	240231	109708	208608	163730
Less: retired	5232	14496	14496	14496	14496
Less: Assets out of consumer contribution and Grant	129355	143104	64783	77838	89608
Net addition	82758	82631	30429	116274	59626

b) Weighted average rate of interest for 2023-24, 2024-25 and 2025-26 has been considered based on the data submitted in Form C and the same comes as shown below:

Sl. No.	Loan Detail	Amount in Rs Lakhs								
		2023-24			2024-25			2025-26		
		Opening Balance	Closing Balance	Interest	Opening Balance	Closing Balance	Interest	Opening Balance	Closing Balance	Interest
1	Non- Convertible Bond	100000	100000	10095	100000	50000	7760	50000	0	2713
2	PFC RAPDRP A	2090	2090	188	2090	2090	188	2090	2090	188
3	PFC RAPDRP B	9145	8642	800	8642	8139	755	8139	7636	710
4	Underground at Krishnanagar & Chinsurah	2900	2900	290	2900	2900	290	2900	2900	290
5	Strengthening Dist. System works	2000	2000	203	2000	2000	203	2000	2000	203
6	REC	422614	480653	46613	480653	548436	52962	548436	615924	59663
7	REC Package	0	0	0	0	0	0	0	0	0
8	State Govt	8319	7796	408	7796	7273	382	7273	6750	356
9	Bank Of Baroda - Swapped from REC	52519	42015	3451	42015	31512	3451	31512	21008	1808
	Generation Assets REC + Banks + JICA	12108	72163	1408	72163	159549	3520	159549	222663	5699
	REC - Taken over from WBREDCL	10323	10323	877	10323	10323	877	10323	10323	877
10	WBIDFC (Amphan Purpose)	10000	10000	860	10000	9167	833	9167	8333	761
11	Sub Total	632018	738582	65193	738582	831389	71221	831389	899627	73268
12	Interest Capitalised	0	0	3184	0	0	3638	0	0	3844



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	Less Loan of WBREDC + Amphan	20323	20323	1737	20323	19490	1710	19490	18656	1638
13	Net Claim	611695	718259	60272	718259	811899	65873	811899	880971	67786
14	Wt. Average interest Rate (%) = [Net Int/Net (Op Bl + CI Bal)/2]			9.06			8.61			8.01

6.7.3 The Commission based on the above computes the admissible amount of Interest on Capital Loans as shown below:

Particulars	2020-21	2022-23	2023-24	2024-25	2025-26
	Rs in Lakh	Rs in Lakh	Rs in Lakh	Rs in Lakh	Rs in Lakh
Gross Fixed Asset at the beginning (01.04) -	3056302	3268415	3494150	3589362	3783474
Less Grant Funded + Consumer Contribution (01.04)	1991790	1991790	2134894	2199677	2277515
Net opening GFA (01.04)	1064512	1276625	1359256	1389685	1505959
Cumulative equity admitted	226017	235370	239022	239022	254022
Gross normative loan	838495	1041255	1120234	1150663	1251937
Repayment					
Cumulative depreciation as on 31.03.21	609382	609382	609382		
Add: depreciation 21-22		37836	37836		
Add: depreciation 22-23			38967		
Cumulative depreciation as on 31.03.2023			686185	728902	776257
Opening normative loan (01.04)	191277	394037	434049	421761	475680
Add: Net Asset addition during the year	82758	82631	30429	116274	59626
Equity addition considered	9353	3652	0	15000	0
Normative loan addition	73405	78979	30429	101274	59626
Depreciation during the year	37836	38967	42717	47355	52765
Closing balance of normative loan	226846	434049	421761	475680	482541
Average loan during the year			427905	448721	479111
Actual weighted average interest rate of long-term loan			9.06%	8.61%	8.01%
Admissible Interest on capital loans			38768	38635	38377

6.7.4 The Commission admits Rs.38768 lakh, Rs. 38635 lakh and Rs. 38377 lakh respectively for the years 2023-24, 2024-25 & 2025-26.

6.7.5 The allocation of interest between generation and distribution has been done in the same ratio as proposed by WBSEDCL.

Sl. No	Particular	Amount as Admitted (Rs in Lakh)		
		2023-24	2024-25	2025-26
1	Generation	312	311	309
2	Distribution	38456	38324	38068
3	Total	38768	38635	38377



6.8 Other Finance Charges:

6.8.1 The estimation of other finance charges as submitted by WBSEDCL in specified format 1.17(c) is for a total amount of Rs. 2097 lakh, Rs 2244 lakh and Rs 2401 lakh respectively in 2023-24, 2024-25 and 2025-26 under the broad head of Bank Charges.

6.8.2 WBSEDCL has stated at para 6.9 of their submission text at Vol I that such charges have been projected considering CAGR of actual expenses from 2016-17 and no finance charges has been considered for Interest expense on current liability for purchase of power, transaction cost on capital bonds and interest expense on current liability for capital supplies.

6.8.3 Accordingly, the Commission admits other finance Charges for Rs. 2097 lakh, Rs 2244 lakh and Rs 2401 lakh in 2023-24, 2024-25 and 2025-26 respectively. The cost allocations for distribution and generation function are done as projected in the MYT application.

Table-6.18

Function	Rs lakh		
	2023-24	2024-25	2025-26
Generation	102	109	116
Distribution	1995	2135	2285
Total	2097	2244	2401

6.9 Bad Debts:

WBSEDCL has not projected any amount under the head of Bad Debt in 8th control period in 2023-24, 2024-25 and 2025-26. No amount is considered accordingly in 8th control period.

6.10 Return on Equity:

6.10.1 WBSEDCL has proposed Return on Equity for Rs. 42620 lakh, Rs 48503 lakh and Rs 55410 lakh respectively for 2023-24, 2024-25 and 2025-26 in Form 1.22. While computing the normative return, WBSEDCL has submitted to have considered the return on pre-tax basis @ 16.5% for distribution function and 15.5% for generation function.



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6.10.2 WBSEDCL has further submitted in Para 6.18 of the submission text in Vol -1 that they had considered equity addition of Rs. 50000 lakh, Rs. 80000 lakh and Rs. 58000 lakh during 2023-24, 2024-25 and 2025-26 respectively for RDSS Project. However, it is seen from the Investment Approval Petition for RDSS project submitted by WBSEDCL dated 08.02.2023, RDSS project is financed through 60% Government Grant and 40% Loan. Accordingly, the Commission does not consider any equity addition at this stage.

6.10.3 WBSEDCL has considered equity addition of Rs 7050 lakh in the generation function in the year 2021-22 which is not considered by the Commission in absence of details. However, considering the proposed COD of Goaltore 125 MW solar park during 2024-25, the Commission considers corresponding equity addition of Rs. 15000 lakh in the year 2024-25 as documents submitted by WBSEDCL for investment approval.

6.10.4 The Commission accordingly computes the admissible equity base and the Return on Equity in line with Regulation 5.6.1.1 and 5.6.1.2 of the Tariff Regulations as amended in the following two tables:

	2020-21			2021-22			2022-23		
	Generation	Distribution	Total	Generation	Distribution	Total	Generation	Distribution	Total
Actual Equity base at the beginning of the year	11358	226017	237375	11358	229103	240461	11358	238456	249814
Admissible Equity Base	0	225674	225674	0	226017	226017	0	235370	235370
Addition during the year	0	3086	3086	0	9353	9353	0	3652	3652
Deletion during the year	0	0	0	0	0	0	0	0	0
Net Addition during the year	0	3086	3086	0	9353	9353	0	3652	3652
Actual equity at the end of the year	11358	229103	240461	11358	238456	249814	11358	242108	253466
Net addition to original cost of fixed asset during the year				1754	81004	82758	1724	88214	89938
Normative addition to equity base 30% of above				526	24301	24827	517	26464	26981
Addition of equity base considered (lower)	0	343	343	0	9353	9353	0	3652	3652
Admissible equity base at closing of the year	0	226017	226017	0	235370	235370	0	239022	239022
Average equity				0	230694		0	237196	



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	2023-24			2024-25			2025-26		
	Generation	Distribution	Total	Generation	Distribution	Total	Generation	Distribution	Total
Actual Equity base at the beginning of the year	11358	242108	253466	11358	242108	253466	26358	242108	268466
Admissible Equity Base	0	239022	239022	0	239022	239022	15000	239022	254022
Addition during the year	0	0	0	15000	0	15000	0	0	0
Deletion during the year	0	0	0	0	0	0	0	0	0
Net Addition during the year	0	0	0	15000	0	15000	0	0	0
Actual equity at the end of the year	11358	242108	253466	26358	242108	268466	26358	242108	268466
Net addition to original cost of fixed asset during the year	1736	36000	37736	78878	44703	123581	14383	52550	66933
Normative addition to equity base 30% of above	521	10800	11321	23663	13411	37074	4315	15765	20080
Addition of equity base considered (lower)	0	0	0	15000	0	15000	0	0	0
Admissible equity base at closing of the year	0	239022	239022	15000	239022	254022	15000	239022	254022
Average equity	0	239022	239022						
Average equity for Assets prior to 01.04.24				0	239022		0	239022	
Average equity for Assets after to 01.04.24				7500	0		15000	0	
Rate of return (prior to 01.04.24)	15.50%	16.50%		15.50%	16.50%		15.50%	16.50%	
Rate of Return (after 01.04.24)				14%	15.50%		14%	15.50%	
ROE Admitted (For Prior to 01.04.24)	0	39439	39439	0	39439	39439	0	39439	39439
ROE Admitted (For after 01.04.24)	0	0	0	1050	0	1050	2100	0	2100
Total ROE Admitted	0	39439	39439	1050	39439	40489	2100	39439	41539

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

6.11 Income Tax

6.11.1 WBSEDCL has claimed Rs. 3000 lakh for each of the years of the 8th Control Period toward Income Tax. The Commission admits the same.



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6.11.2 WBSEDCL is directed to submit a comprehensive statement incorporating the amounts of (i) income tax provided in the annual reports and accounts, (ii) income tax assessed, (iii) income tax paid and (iv) income tax refunded, if any, supported by documentary evidences vide assessment orders, copies of challans, copies of refund orders year wise from the year 2014-2015 till date with the APR application for the years 2023 – 24, 2024 – 25 and 2025 – 26. In this respect, the provisions in the regulations 5.13.1 and 5.13.2 may be referred to.

6.12 Interest on Consumers' Security Deposits:

As stated in their submission text at page 125 of Vol I of their petition, WBSEDCL has claimed interest on consumers' security deposit projecting such cost for 8th control period based on 4 years CAGR from 2018-19 amounting to Rs. 23955 lakhs, Rs. 24619 lakhs and Rs. 25301 lakhs for the years 2023-24, 2024-25 and 2025-26. Considering the projected consumer nos. as submitted by WBSEDCL for the years 2023-24, 2024-25 and 2025-26, the Commission admits the amount as claimed by WBSEDCL for the respective years of the 8th Control Period.

The entire amount is allocated to distribution function. During truing up, the amount under this head will be allowed on actual basis as per Regulation 5.6.5.3.

6.13 Reserve for Unforeseen Exigencies:

WBSEDCL has not claimed any amount under the head reserve for unforeseen exigencies for the years 2023-24, 2024-25 and 2025-26. The Commission also does not consider to allow any amount under this head. WBSEDCL is, however, directed to maintain the funds lying under Reserve Unforeseen Exigencies with them as per provision of the regulation 5.24 of the Tariff Regulations.

6.14 Interest on Working Capital:

6.14.1 WBSEDCL has stated that in accordance with the direction of the Commission in paragraph 8.11 of the Tariff Order 2008-09, the security deposit of the permanent consumers (excluding provision for security deposit) has been considered for utilization



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as working capital during the years 2023-24, 2024-25 and 2025-26 and no amount has been claimed against the head interest on working capital for these ensuing years. In the form 1.17(b) of the petition, WBSEDCL has projected Rs.264744 Lakh, Rs 277796 lakh and Rs 290558 lakh respectively as normative requirement of working capital for the years 2023-24, 2024-25 and 2025-26 respectively. It has been submitted that such requirement will be fully met from the available cash security deposit from consumers.

6.14.2 The Commission in the fourth amendment of Tariff Regulations has specified the normative working capital requirement in regulations 5.6.5. Accordingly, it is observed that no working capital is required for the distribution and generation functions of WBSEDCL as computed below:

Table: 6.22

Sl No	Particulars	2023-24	2024-25	2025-26
A	Distribution			
1	O&M expense for 1 month	14648	15640	18351
2	Employee cost for 1 month	12670	13452	14216
3	Maintenance spare 15% of O&M expense	2197	2346	2753
4	Receivables equivalent to 45 days	292440	302999	311586
	Sub-total (1 to 4)	321955	334437	346906
5	Less: Cash security deposit	478267	491519	505139
6	Working Capital Requirement	0	0	0
B	Own Generation			
1	O&M expense for 1 month	685	722	764
2	Employee cost for 1 month	325	345	365
3	Maintenance spare 15% of O&M expense	103	108	115
	sub-total (1 to 3)	1113	1175	1244
4	Less: Cash security deposit held after meeting working capital of distribution function	156312	157082	158233
5	Working Capital Requirement	0	0	0
C	Balance cash security in hand	155199	155907	156989

6.14.3 Further in terms of first proviso to clause (a) of regulation 5.6.5.3 of the Tariff Regulations as amended, interest on such balance cash security deposit will be considered as non-tariff income.

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



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6.15 Principal Repayment of Bonds for Creation of Pension Fund:

WBSEDCL has not claimed any amount under this head. The Commission accordingly does not admit any amount under this head.

6.16 Income from Non-Tariff Sources:

- 6.16.1 WBSEDCL has considered items of Non-Tariff Income as at para 7 of their submission text at volume I. The income from non-tariff sources (net of Other Comprehensive income) has been projected by WBSEDCL as Rs. 115764 lakh, Rs 127731 lakh and Rs 143158 lakh in 2023-24, 2024-25 and 2025-26 respectively. Such income includes Other Comprehensive income of Rs.53373 lakh, Rs.54560 lakh and Rs.57152 lakh for respective years. This amount of Other Comprehensive income has been adjusted with Employees Cost by the Commission as it pertains to re-measurement of post-employment benefit obligations.
- 6.16.2 As stated in the submission text, the claim for 2021-22 is based on actuals. The Commission on examination of details of the elements as reported in submission text at para 7 at page 133 of Vol I of the petition and Vol-3 of the Petition observed that WBSEDCL has proposed to increase the Dis-connection/Re-connection charges, However, they have projected the same by considering the 4-year CAGR from 2018-19. The Commission has considered the proposal of increasing the Dis-connection / Re-connection charges. Accordingly, the amount of non-tariff income in proportion to the increase of such charges is admitted.
- 6.16.3 WBSEDCL has not projected any amount under meter rent. The Commission considers the amount of Audited accounts of 2021-22 for each of the years 2023-24, 2024-25 and 2025-26 under Meter rent.
- 6.16.4 The Commission observes that the other general receipts as per the Audited Accounts of 2021-22 comes to Rs 9882 lakhs. Considering the similar items for each of the previous years from 2018-19 to 2020-21, the Commission finds that the 4-year CAGR comes to 6.50%. Accordingly, the Commission computes the Other General Receipts by applying the CAGR of 6.50% for each year from 2021-22.



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6.16.5 WBSEDCL has claimed an amount of Rs. 2159 lakh as interest from investments and bank balance for all three years of the eighth control period. In view of the excess cash security deposit held with the licensee after meeting working capital requirement as mentioned in paragraph 6.16.3 above, an interest @4.75% (based on SBI rate of bulk term deposit > 2Crore for 1 month) is considered. Hence the admissible non-tariff income comes to Rs. 7372 lakh, Rs. 7406 lakh and Rs. 7457 lakh for the years 2023-24, 2024-25 and 2025-26 respectively.

6.16.6 In respect of all other items under Non-Tariff Income, the Commission considers the amounts as claimed by WBSEDCL. Thus, the total admitted amount under Income from Non-Tariff Sources comes to Rs. 109103 lakh, Rs. 119703 lakh and Rs. 132295 lakh respectively in 2023-24, 2024-25 and 2025-26 as below:

Particulars	Rs in Lakh		
	2023-24	2024-25	2025-26
Rental from Meters etc	29482	29482	29482
Disconnection/Reconnection Charges	12390	12705	13030
LPSC	46749	56229	67630
Income from job at Consumer Premises	53	54	54
Transmission/Wheeling Charges	1849	1890	1929
Other General Receipts	11208	11937	12713
Income from Investment & Bank Balances	7372	7406	7457
Total	109103	119703	132295

6.17 Transmission charges payable to WBSETCL:

WBSEDCL has stated at para 6.21 of their submission text at Vol I that transmission charges payable to WBSETCL has been considered for Rs 157170 lakh, Rs 162270 lakh and Rs 167535 lakh in 2023-24, 2024-25 and 2025-26. In the Tariff Order of WBSEDCL for 2022-23, the Commission has admitted the transmission charges payable to WBSETCL as Rs. 155076 lakh, The Commission decides to admit the same amount for each of the three ensuing years of the 8th Control Period.

6.18 CTU Charges:

WBSEDCL has claimed CTU charges payable for transmitting its share of power from the Central Sector Generating Stations and other generators located outside the State through



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the transmission system of Central Transmission Utility (CTU). As stated, such claim for Rs 109658 lakh for each of the year 2023-24, 2024-25 and 2025-26 has been projected. WBSEDCL has stated in the submission text at para 6.20 at page 129 of Vol I of their petition that such charges have increased considerably due to imposition of POC charge method as per CERC Regulation in July, 2011. The Commission admits the amount as claimed by WBSEDCL. However, the actual amount of transmission charge to be paid to CTU will be adjusted in APR.

WBSEDCL is directed to submit details of utilization of transmission capacity during 2023-24, 2024-25 and 2025-26 along with their APR petition.

6.19 ERPC Charge:

WBSEDCL has projected ERPC charge as Rs.16.00 lakh each for the years 2023-24, 2024-25 and 2025-26 as per the actual during the previous years. The Commission admits Rs.16.00 Lakh as ERPC charges each for the years 2023-24, 2024-25 and 2025-26.

6.20 System operation charges payable to POSOCO:

As stated at para 6.23 of their submission text at Vol I, WBSEDCL has projected system operation charge payable to POSOCO on account of integrated operation of the national power grid as the power purchased by WBSEDCL from various entities is wheeled across the central transmission grid. Such charges as determined by CERC are projected at Rs. 528 lakh, Rs 545 lakh and Rs 562 lakh for the year 2023-24, 2024-25 and 2025-26. The Commission admits such amount as claimed by WBSEDCL for 2023-24, 2024-25 and 2025-26.

6.21 VARH Charges:

WBSEDCL has not considered any VARH charge payable during the years 2023-24, 2024-25 and 2025-26. WBSEDCL at para 6.22 of their submission text at Vol I submitted that VARH charges will be considered at actual basis in APR application of the respective years. The Commission observe that VARH charge is essentially imposition of a kind of penalty due to reactive power drawal from the grid during low voltage condition and



reactive power injection to the grid during high voltage. This is not a healthy practice for the security, reliability and quality of power in the grid and can be avoided to a great extent by implementing various planning and operational measures. WBSEDCL is directed to submit detailed justifications and measures taken to reduce the payable VARH charge along with their APR petition in case VAR charge is claimed in APR application.

6.22 SLDC Charges:

WBSEDCL has projected SLDC charges as Rs. 2586 lakh, Rs 2718 lakh and Rs 2856 lakh in 2023-24, 2024-25 and 2025-26. Such charge has been projected on the energy to be transmitted by WBSEDCL through STU. As per Regulation 3(c) of the West Bengal Regulatory Commission (Miscellaneous Provisions) Regulation, 2017 fees payable by the licensee is based on estimated electricity to be transmitted by them through intra-state grid under long term access and medium term open access mode of transmission. Considering the present applicable rate of SLDC charges of 0.05 paisa /kWh, the admissible SLDC charge for the 7th control period are as below:

Table: 6.25

Admissible SLDC Charge	Unit	2023-24	2024-25	2025-26
A. Energy to be purchased from outside the State	MU	17866	18145	19812
Less: CTU loss	MU	603	612	668
Sub-total (A)	MU	17263	17533	19144
B. Energy to be purchased within the State and to be injected in the STU	MU	35631	37892	39010
C. WBSEDCL's own generation to be injected in the STU	MU	1677	1829	1979
TOTAL (A+B+C)	MU	54571	57254	60133
SLDC charge @ 0.5 paisa/kWh	lakh	2729	2863	3007

However, considering the fact that, there is a considerable surplus available between the available capacity and the demand, the Commission finds it suitable to admit the SLDC charge to the extent proposed by WBSEDCL i.e **Rs. 2586 lakh, Rs 2718 lakh and Rs 2856 lakh** in the years 2023-24, 2024-25 and 2025-26 respectively.

6.23 The total Transmission Charges and associated costs as admitted by the Commission is summarized below:



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Table-6.26 Rs Lakh

Sl No	Particulars	Claim			Admitted		
		2023-24	2024-25	2025-26	2023-24	2024-25	2025-26
1	Transmission Charge Paid to CTU	109658	109658	109658	109658	109658	109658
2	Transmission Charge Paid to WBSETCL	157170	162270	167535	155076	155076	155076
3	POSO CO Charge	528	545	562	528	545	562
4	ERPC Charge	16	16	16	16	16	16
5	SLDC Charge	2586	2718	2856	2586	2718	2856
6	VARH Charges	0	0	0	0	0	0
	Total transmission and associated Cost (1 to 6)	269958	275207	280627	265278	265295	265312

6.24 Deviation Settlement Mechanism (DSM) Charges:

WBSEDCL has stated at para 6.15 of their submission text at Vol I that no amount has been projected for the ensuing years 2023-24, 2024-25 and 2025-26 in the 8th control period. No amount is admitted for such ensuing years accordingly. WBSEDCL is directed to furnish their claim in APR with energy received and energy sent out duly certified by SLDC for due consideration of the Commission.

6.25 Expenses attributable to sale of energy to persons other than consumers and licensees of the Commission:

As per paragraph 5.12 of this order read with Annexure 5F, the quantum of surplus power to be sold to persons other than consumer and licensees or backed down is 8436.51 MU for 2023-24, 9486.83 MU for 2024-25 and 10494.10 MU for 2025-26. Cost of such power comes to Rs. 324326 Lakh, Rs. 358793 lakh and Rs. 391831 lakh respectively for the years 2023-24, 2024-25 and 2025-26. The Commission finds it suitable to deduct the cost of such power from the total amount recoverable by WBSEDCL for the years 2020-21, 2021-22 and 2022-23 respectively. WBSEDCL is directed to submit the actual sale details during FPPCA of the concerned years for the purpose of truing up.



ANNEXURE 6A Solar O&M

Solar PV plants	CAPEX Lakh	1.00% Lakh	O&M /MW Lakh
10 MW Teesta Canal Bank	6613	66.13	6.61
10 MW Charrah, Purulia	5798	57.98	5.80
10 MW Santaldih, Purulia	6077	60.77	6.08
10 MW Khemasuli (Patni), Medinipur	4659	46.59	4.66
10 MW Salboni, Paschim Medinipur	4609	46.09	4.61
10 MW Haptiagach at TCHHP tail race cannel	8337	83.37	8.34
10 MW at Chabalpur, Ranigunj	4480	44.80	4.48
10 MW at Dhaka-I, Birbhum	4289	42.89	4.29
10 MW at Dhaka-II, Birbhum	4347	43.47	4.35
10 MW at Sankrail, Jhargram	5119	51.19	5.12
10 MW at Mejia	5947	59.47	5.95
Average O&M in Rs. Lakh /MW			5.48
Inflation considered for eighth control period			3.79%
O&M norms for 2023-24 in Rs. Lakh/MW			5.48
O&M norms for 2024-25 in Rs. Lakh/MW			5.69
O&M norms for 2024-25 in Rs. Lakh/MW			5.91

Solar Projects of WBSEDCL completed 5 years of AMC

Particulars	Unit	2023-24	2024-25	2025-26
Solar PV plant achieved 5 years prior to the FY	MW	10	40	60
Solar PV plant completed 5 years during the FY	MW	30	20	30
Total at the end of FY	MW	40	60	90
Average MW capacity	MW	25	50	75
Norms of O&M	Lakh/MW	5.48	5.69	5.91
O&M expense	Lakh	137	284.5	443.25



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ANNEXURE 6B A&G Expenses for Distribution

Figures in Rs Lakh

Particulars	Derivations	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	As Admitted			
								2023-24	2024-25	2025-26	
A&G Expenses		As admitted in APR					As per Tariff Order	Base Year	Ensuing Years		
Hybrid Index	A	3.02%	4.72%	4.00%	2.79%	9.82%	3.79%	3.79%	3.79%	3.79%	
A&G	B	12523	13779	14023	13393	15415	Average of k	By applying inflation over 2022-23	By applying inflation over 2023-24	By applying inflation over 2024-25	
Insurance	C	57	64	107.9	58.96	1257.12					
Rates & taxes	D	13124.56	16135.74	17521.82	17828.23	10453.93					
Lease rental	E	2311	1905	730	766	1661					
Complaint management	F	297.98	307.98	318	341.98	353					
Out sourced (A&G)	G	18357.19	19659.4	20928.43	22962.36	24873.94					
Total A&G	$h = \text{sum}(b:g)$	46670.73	51851.12	53629.15	48870.44	51999.99					
Less: Rates & Tax on R&M considered in R&M norm	I	8035.76	9958.10	10971.62	11071.77	6647.77					
Net A&G for respective FY	$j = h - i$	38634.97	41893.02	42657.53	37798.67	45352.22					
A&G at FT 2022-23 base with inflation impact	K	48932.51	51503.53	50079.66	42668.64	49805.81					
Admissible A&G	L						48598	50440	52352	54336	



CHAPTER – 7

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

7.1 Based on the analyses and findings recorded in the foregoing chapters, the statements of Aggregate Revenue Requirement (ARR) separately for the eighth control period covering the years 2023 – 24, 2024 – 25 and 2025 – 26 have been drawn as shown below:

Table 7.1

Summary statement	Admitted amount in Rs. lakh		
	2023-24	2024-25	2025-26
A. Power purchase cost (less: expenses attributable to surplus sale)	1723073	1790824	1823414
B. Fixed cost	648942	666834	703895
Aggregate Revenue Recoverable (A + B)	2372015	2457658	2527309

Detailed statements of ARR for the years 2023 – 24, 2024 – 25 and 2025 – 26 are given in Annexure 7A, 7B and 7C respectively.

7.2 In terms of the Tariff Regulations, the Commission is to ascertain the amount of revenue recoverable through tariff for the years 2023 – 24, 2024 – 25 and 2025 – 26 after carrying out the following adjustments:

- (i) The Commission in the APR orders of WBSEDCL from 2013-14 to 2017-18 had withheld a cumulative amount of Rs. 2556.60 Crore for non-payment in the terminal benefit funds in different years. Based on subsequent payments made by WBSEDCL in the relevant terminal benefit funds, the Commission in the order dated 23.11.2022 in Case No. FPPCA-75/15-16 and APR-52/15-16, decided to release an amount of Rs. 1293.58 Crore as an adjustment in the ARR of subsequent years. The Commission now decides to adjust the amount of Rs. 1293.58 Crore with the ARR of eighth control period.



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- (ii) WBSEDCL had taken over the electricity distribution business of Singur Haripal Rural Electric Co-operative Society Ltd. (SHRECOP) in February 2008 following the direction of the State Government under section 108 of the Electricity Act 2003. Subsequently, WBSEDCL, in its APR petition for 2012-13, claimed an amount of Rs 6065.63 lakh on accumulated loss due to taking over of the assets relating to distribution business of SHRECOP. The Commission did not allow the claim in the APR Order for 2012 – 13 observing that the matter was pending before the State Government for decision. The State Government vide letter dated 07.02.2023 in Memo No. 211-PO/O/C-VI/SS-05/2021 has agreed for recovery of the loss of Rs. 6065.63 lakh accrued to WBSEDCL through future tariff. Accordingly, the Commission now decides to release the amount of Rs. 6065.63 lakh in the eighth control period.
- (iii) The Commission in the FPPCA and APR order for 2019-20 dated 14.07.2021 in Case No. FPPCA – 103/ 21 – 22 and APR – 90/ 21 - 22 in respect of WBSEDCL has admitted Rs. 190135.34 lakh to be adjusted with the ARR of subsequent years as may be decided by the Commission. The Commission has already adjusted Rs. 179376.00 lakh with the ARR of 2022 –23. Now, the Commission decides to adjust the balance recoverable amount of Rs. 10759.34 lakh on account of APR 2019 -20 during the eighth control period.
- (iv) The Commission in the APR order for 2020-21 dated 29.03.2023 in Case No. FPPCA – 110/ 22 – 23 and APR – 104/ 22 – 23 in respect of WBSEDCL has admitted Rs. 404455.19 lakh to be adjusted with the ARR of subsequent years as may be decided by the Commission. Now, the Commission decides to adjust Rs. entire amount during the eighth control period.
- (v) Carrying cost: In terms of clause (iv) of regulation 2.6.6 of the Fourth Amendment of the Tariff Regulations, carrying cost is allowable on reducing balance principle from 01.04.2023, i.e., the date of effect of the amendment. The Commission observes that, during the year 2020-21, WBSEDCL has not recovered the variation of power purchase cost through the monthly fuel surcharge formula (MVCA) specified under the Tariff Regulations. Hence, the Commission decides not to allow any carrying



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cost for variation in power purchase cost for the year 2020-21 amounting to Rs.212208 lakh {(Allowable power purchase 34111.62 MU x difference of rate (413.53 paisa/kWh – 351.32 paisa/kWh)}. Carrying cost is allowed on the balance part of the APR adjustable for 2020-21. Carrying cost is also allowed for the part adjustment of APR 2019-10 as mentioned in paragraph (iii) above. No carrying cost is allowed on the withheld amount on account of terminal benefit fund mentioned in paragraph (i) above as the amount was allowed in different Tariff/ APR Orders but WBSEDCL failed to deposit the amounts to the respective funds in time. Further, for the amount mentioned in paragraph (ii) above, no carrying cost is admissible as the same has been released immediately on receipt of the communication from the State Government. In terms of clause (iv) of regulation 2.6.6 of the Tariff Regulations, as amended, carrying cost is calculated with simple interest rate of 9.50% (= SBI MCLR rate as on 01.04.2022 + 250 basis point).

Table: 7.2

REVENUE RECOVERABLE BY WBSEDCL THROUGH TARIFF (Rs. in lakh)				
Sl. No.	Particulars	2023 – 24	2024-25	2025 – 26
1	ARR as per Table 7.1 above	2372015	2457658	2527309
2	Part release of withheld amount of terminal benefit as per paragraph (i) above	129358		
3	Release of withheld amount on account of SHRELCOP as per paragraph (ii) above	6065.63		
4	Balance APR adjustment of WBSEDCL for 2019-20	10759.34		
5	APR adjustment of WBSEDCL for 2020-21	11019	205370	188066.19
6	Admissible carrying cost	17828	8397	0
7	Total Revenue Recoverable [(7 = sum (1:6))]	2547044.97	2671425.00	2715375.19

7.3 In addition to sale of power to own consumers, WBSEDCL also proposes to sell power to other licensees in the State viz. IPCL, Railways and Sikkim. To find out the revenue to be recovered from the consumers of WBSEDCL the income of WBSEDCL from sale of power to IPCL, Railways and Sikkim are to be adjusted from the ARR of WBSEDCL. The Commission in paragraph 5.8.3 of this order has already clarified that, the rate / price for power purchase /sale between two licensees are to be decided under the Power Purchase Agreement following the relevant provisions under the Act and not under Tariff



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determination process in terms of section 62 of the Act. However, to arrive at the revenue recoverable from consumers, the Commission considers the income from sale to licensee as projected by WBSEDCL.

- 7.4 The Commission now works out net revenue recoverable from the consumers of WBSEDCL for 2023 – 24, 2024 – 25 and 2025 – 26 and the same is shown in the table below:

Table: 7.3

NET REVENUE RECOVERABLE FROM THE CONSUMERS OF WBSEDCL IN 2023-24, 2024-25 AND 2025-26					
Sl. No.	Particulars	Unit	2023 – 24	2024-25	2025 – 26
1	Total Revenue Recoverable	Rs. in Lakh	2547044.97	2671425.00	2715375.19
2	Revenue from sale of power to Licensees and Sikkim	Rs. in Lakh	84638.00	84623.00	84608.00
3	Revenue recoverable from sale of power to the consumers [(3) = (1) - (2)]	Rs. in Lakh	2462406.97	2586802.00	2630767.19

7.5 Revenue gap / surplus:

The Commission now determines the revenue gap at the existing level of tariff (including MVCA) considering the projected sales during the ensuing years as below:

Table: 7.4

Sl. No.	Particulars	Unit	2023 – 24	2024-25	2025 – 26
1	Net ARR for supply of power to the consumers as in table 7.3 above	Rs. lakh	2462407	2586802	2630767
2	Expected revenue from sale of power at existing at tariff (including MVCA)				
A	From sale to erstwhile DPL consumers	Rs. lakh	106786	111263	115940
B	From sale to WBSEDCL consumers	Rs. lakh	2355621	2475539	2603451
	Total (2)	Rs. lakh	2462407	2586802	2719391
3	Revenue Gap (-)/ surplus (+) [(2)-(1)]	Rs. lakh	0	0	88624

- 7.6 Now, the Commission decides to determine the average cost of supply for the year 2023-24 in subsequent paragraph. Tariff order and terms & conditions of tariff for 2023-24 is



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specified in Chapter-8 of this order. The revenue surplus of 2025-26 will be adjusted with the APR of FY 2021-22 and subsequent years, as will be decided by the Commission during the tariff order of the year.

7.7 Average Cost of supply for the year 2023-24:

In view of the directives given by Department of Power, Government of West Bengal under section 108 of the Electricity Act 2003 vide notification no 332-PO/O/C-IV/IE-60/13(Part-VA) dated 31.12.2018, the tariff for consumers in erstwhile DPL area is maintained same as per the tariff & MVCA applicable to DPL consumers on 31.12.2018. Accordingly, the average tariff of WBSEDCL area considering the consumers of erstwhile DPL and the remaining consumers of WBSEDCL are determined below:

SI No	Particulars	Unit	2023 - 24
1	Revenue recoverable from consumers as per Table 7.3 above	Rs. Lakh	2462407
2	Total sale to consumers	MU	35218.64
3	Average Cost of Supply	Paisa/kWh	699
4a	Sale to erstwhile DPL consumers	MU	2138.72
4b	Average tariff of DPL consumers (including MVCA) as on 31.08.2018	Paisa/kWh	499.3
4c	Revenue recoverable from erstwhile DPL consumers [4a x 4b /10]	Rs. Lakh	106786
5	Revenue recoverable from balance consumers [(1) – 4c]	Rs. Lakh	2355621
6	Sale to balance consumers of WBSEDCL	MU	33079.92
7	Average tariff for balance consumers of WBSEDCL [(5) x 10 /(6)]	Paisa/kWh	712



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ANNEXURE- 7A

Rupees in Lakh

Sl No	ITEM	ADMITTED AGGREGATE REVENUE REQUIREMENT OF WBSEDCL FOR 2023 - 24		
		ADMITTED		
		Generation	Distribution	Total
1	Power Purchase Cost	-	2047399	2047399
2	Transmission Charge			
	Inter-state transmission charges	-	109658	109658
	Intra-state transmission charges	-	155076	155076
3	Power System Charge			
	ERLDC Charge	-	528	528
	ERPC Charge	-	16	16
	SLDC Charge	-	2586	2586
4	Employees cost	3900	152037	155937
5	Repair and Maintenance incl. Consumables		112721	
6	Administrative & General Expenses	8215	50440	171376
7	Operational Expenses for RDSS Scheme	-	12616	12616
8	Statutory Charges	-	276	276
9	Finance Cost			
	a) Interest on Capital Loan	312	38456	38768
	b) Interest on Working Capital	0	0	0
	c) Other Financing Charges	102	1995	2097
	d) Interest on Consumer Security Deposits	-	23955	23955
10	Depreciation	3789	38928	42717
11	Income Tax	-	3000	3000
12	Return on Equity	0	39439	39439
13	Gross Aggregate revenue requirement (sum 1 to 12)	16318	2789126	2805444
14	Less income from non-tariff sources	-	109103	109103
15	Less: Expenses attributable to sale to person other than licensee & consumer	-	324326	324326
16	Net aggregate revenue requirement (16 = 13 – 14 – 15)	16318	2355697	2372015



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ANNEXURE- 7B

Rupees in Lakh

SI No	ITEM	ADMITTED AGGREGATE REVENUE REQUIREMENT OF WBSEDCL FOR 2024 - 25		
		ADMITTED		
		Generation	Distribution	Total
1	Power Purchase Cost	-	2149617	2149617
2	Transmission Charge			
	Inter-state transmission charges	-	109658	109658
	Intra-state transmission charges	-	155076	155076
3	Power System Charge			
	ERLDC Charge	-	545	545
	ERPC Charge	-	16	16
	SLDC Charge	-	2718	2718
4	Employees cost	4141	161422	165563
5	Repair and Maintenance incl. Consumables			
6	Administrative & General Expenses	8669	121295	182316
7	Operational Expenses for RDSS Scheme	-	52352	
8	Statutory Charges	-	14027	14027
9	Finance Cost			
	a) Interest on Capital Loan	311	276	276
	b) Interest on Working Capital	0		
	c) Other Financing Charges	109	38324	38635
	d) Interest on Consumer Security Deposits	-	0	0
10	Depreciation	4880	24619	24619
11	Income Tax	-	42475	47355
12	Return on Equity	1050	3000	3000
13	Gross Aggregate revenue requirement (sum 1 to 12)	19160	2916994	2936154
14	Less income from non-tariff sources	-	119703	119703
15	Less: Expenses attributable to sale to person other than licensee & consumer	-	358793	358793
16	Net aggregate revenue requirement (16 = 13 – 14 – 15)	19160	2438498	2457658



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ANNEXURE- 7C

Rupees in Lakh

Sl No	ITEM	ADMITTED AGGREGATE REVENUE REQUIREMENT OF WBSEDCL FOR 2025 – 26		
		ADMITTED		
		Generation	Distribution	Total
1	Power Purchase Cost	-	2215245	2215245
2	Transmission Charge			
	Inter-state transmission charges	-	109658	109658
	Intra-state transmission charges	-	155076	155076
3	Power System Charge			
	ERLDC Charge	-	562	562
	ERPC Charge	-	16	16
	SLDC Charge	-	2856	2856
4	Employees cost	4376	170597	174973
5	Repair and Maintenance incl. Consumables		130963	
6	Administrative & General Expenses	9173	54336	194472
7	Operational Expenses for RDSS Scheme	-	34918	34918
8	Statutory Charges	-	276	276
9	Finance Cost			
	a) Interest on Capital Loan	309	38068	38377
	b) Interest on Working Capital	0	0	0
	c) Other Financing Charges	116	2285	2401
	d) Interest on Consumer Security Deposits	-	25301	25301
10	Depreciation	5327	47438	52765
11	Income Tax	-	3000	3000
12	Return on Equity	2100	39439	41539
13	Gross Aggregate revenue requirement (sum 1 to 12)	21401	3030034	3051435
14	Less income from non-tariff sources	-	132295	132295
15	Less: Expenses attributable to sale to person other than licensee & consumer	-	391831	391831
16	Net aggregate revenue requirement (16 = 13 – 14 – 15)	21401	2505908	2527309



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CHAPTER – 8 TARIFF ORDER FOR 2023 – 24

- 8.1 In the previous chapter, the Commission, in accordance with the Tariff Regulations, has determined the revenue recoverable through tariff and average tariff of consumers for the years 2023 – 24 for WBSEDCL. The Commission now proceeds to determine the tariff schedule applicable to the consumers of WBSEDCL and also the associated conditions of tariff of WBSEDCL for 2023 – 24.
- 8.2 WBSEDCL has submitted that the tariff structure for the consumers of DPL area is different from the tariff structure of WBSEDCL and therefore, it is continuing tariff of DPL for its consumers as per the order of the Commission from 01.01.2019. Accordingly, WBSEDCL has proposed tariff of different consumer categories of erstwhile DPL area separately for the ensuing years of eighth control period.
- 8.3 The Government of West Bengal, vide its Notification No. 328/PO/O/C-IV/1E-60/13 (Pt - VA) dated 26.12.2018 notified that, with effect from 01.01.2019, the entire distribution business and activities undertaken by DPL along with all associated assets and liabilities would be transferred to WBSEDCL. Government of West Bengal subsequently vide Notification No. 332 – PO/O/C-IV1E-60/13 (part-VA) dated 31.12.2018 in exercise of its power under section 108 of the Electricity Act directed this Commission to approve the transfer of asset and approve & allow WBSEDCL to continue charging existing tariff and present Monthly Variable Cost Adjustment (MVCA) of DPL as on 31.12.2018 from the consumers in the DPL's licensed area as an interim measure until further order.
- 8.4 **Tariff schedule and conditions of Tariff for consumers of erstwhile DPL during 2023 – 24:**
- 8.4.1 Considering the direction of the Government of West Bengal mentioned under paragraph 8.3 above, the Commission decides to maintain the tariff schedule for erstwhile DPL consumers during the year 2023 – 24 similar to that as on 31.12.2018. Accordingly, Tariff schedule for erstwhile DPL consumers for the year 2023 – 24 is given in Annexure 8A1



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for LV and MV consumers and at Annexure - 8A2 for HV and EHV consumers. All other conditions related to tariff as prevailed on 31.12.2018 shall continue till further order.

8.4.2 The tariff for 2023 – 24 shall be for the period from 01.04.2023 and will continue till further order. WBSEDCL shall continue to levy the MVCA of DPL as on 31.12.2018.

8.5 Tariff schedule and conditions of Tariff for consumers of WBSEDCL (excluding erstwhile DPL consumers) during 2023 – 24:

8.5.1 From the analysis made in previous chapter, the average tariff for balance consumers in WBSEDCL area for 2023 – 24 comes to Rs. 7.12 per kWh, which is same as that of the existing rate of tariff during 2022 – 23 after adjustment of regulatory assets and revenue from consumers of erstwhile DPL.

8.5.2 WBSEDCL has suggested for rationalising the tariff structure by way of reducing the fixed cost burden on the energy charge component of tariff. The Commission found the submission rational and decides to increase the fixed / demand charge and at the same time reduce the energy charge component to keep the average tariff same as that of the existing average tariff of Rs. 7.12 per kWh. Accordingly, the Commission has redesigned the tariff structure based on the following principles:

- (i) Except for life line consumers and agriculture consumers, all other classes of consumers have been charged with a tariff that lies within +/- 20% of the average cost of supply.
- (ii) Considering the difference in service quality for rural and urban area as per Standard of Performance Regulations, the Commission continues to keep separate tariff rate for certain class of consumers under L&MV class in the tariff order of this year in line with the past trends.
- (iii) At the same time, the Commission has kept the tariff for life line consumer lower than 80% but within the limit prescribed in paragraph 8.3(i) of the Tariff Policy 2016.



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- (iv) After maintaining the above principles, the Commission has tried to follow the approach of WBSEDCL in their tariff design on balance class of consumers other than those as mentioned above to the extent it is felt appropriate by the Commission.
- (v) In line with the submission of WBSEDCL to make the billing process simple, the Commission proposes an additional rebate on energy charge for the consumers under prepaid scheme, instead of specifying separate tariff structure for them.

8.5.3 In view of the above, the Commission determines the tariff schedule and other terms and conditions of tariff for the year 2023 – 24. The Tariff schedule for 2023 – 24 is given in Annexure 8B1 and 8B2 for LV & MV consumers and at Annexure 8B3 for HV & EHV consumers.

8.5.4 Fixed / Demand Charge:

8.5.4.1 The fixed charge shall be applicable to different categories of consumers at the rates shown in Annexure 8B1 and Annexure 8B2 of this tariff order. For agriculture consumers under L&MV category, fixed charge during July to October (Monsoon season) will be 50% of the fixed charge specified in Annexure 8B2.

8.5.4.2 The demand charge shall be applicable to different categories of consumers as per rates shown in Annexure 8B2 and Annexure 8B3 of this order on the basis of recorded demand as specified in regulation 4.3.3 of the Tariff Regulations subject to the conditions specified in the Tariff Regulations.

8.5.4.3 When a new consumer gets connected to the system, the computation of fixed charge or demand charge for that month shall be made pro-rata for the number of days of supply in that particular month.

8.5.5 Energy Charge:

8.5.5.1 The energy charge shall be applicable to different categories of consumers as per rates shown in Annexure 8B1, Annexure 8B2 and Annexure 8B3. WBSEDCL shall recover any variation in power purchase cost under MVCA in addition to the energy charge specified



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in the tariff schedule. MVCA shall be computed in accordance with the formula specified in the Tariff Regulations and recovered on the energy consumed by the consumer in the respective month and shown separately in the bills of the consumers.

- 8.5.5.2 For the consumers under prepaid scheme, 3% rebate would be allowed on energy charge of non-TOD or TOD tariff, as the case may be, including applicable MVCA charge.
- 8.5.5.3 In case of short-term supply to Pandals for community religious ceremonies, a rebate of 30 paise/kWh on energy charge of each unit shall be given if the entire illumination is done with LED.
- 8.5.5.4 A special rebate of 25 paise/kWh on energy charge shall be given to the cold storage or dairy with chilling plant connected to L&MV having contractual load 50 kVA and above.
- 8.5.5.5 A special rebate of 50 paise/kWh on energy charge shall be given to the juvenile home, destitute home, orphanage, dispensaries, libraries and educational institutions run by Charitable Organizations / NGOs connected to L&MV level.

8.5.6 Load Factor Rebate / Surcharge:

- 8.5.6.1 In order to reduce the overall system T&D loss and to flatten the load curve by improving the existing system load factor of WBSEDCL, the voltage-wise graded load factor rebate applicable for the EHV and HV industrial consumers and L&MV industrial consumers of 50 kVA and above (B-IDI and B-IDIT) will be as per the following table:

LOAD FACTOR REBATE (Paise/kWh)			
For the Year 2023-24			
Range of Load factor (LF)	Supply Voltage		
	Below 33 kV	33 kV	Above 33 kV
Above 70-upto 75	6	6	6
Above 75-upto 80	11	11	11
Above 80-upto 85	16	31	31
Above 85-upto 90	21	36	36
Above 90-upto92	26	41	41
Above 92-upto 95	31	46	46
Above 95	36	51	51



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8.5.6.2 Further, an additional LF rebate for 33 KV & 132 KV industries under revenue enhancement scheme as approved in order dated 08/02/2017 in Case No. OA-242/16-17 of the Commission shall continue. Any loss suffered by WBSEDCL due to implementation of the scheme shall not be passed on to other categories of consumers in terms of the said order.

8.5.6.3 Load factor surcharge shall continue for those HV, EHV and L&MV (above 50 KVA) categories of consumers to whom those are applicable at present. The applicable rate of load factor surcharge for different voltage level for the year 2023-24 will be as per the table below:

LOAD FACTOR SURCHARGE (Paise/kWh)
For the Year 2023-24

Range of Load factor (LF)	Supply Voltage		
	Below 33 kV	33 kV	Above 33 kV
Above 0-upto 25	35	70	80
Above 25-upto 30	15	50	60
Above 30-upto 60	14	48	58
Above 60-upto 65	7	41	50

8.5.6.4 The above load factor rebate and surcharge shall be applicable on total quantum of energy consumed in the billing period. Load factor rebate and surcharge shall be computed in accordance with the formula and associated principles specified in regulations 3.9.2, 3.9.3 and 3.9.4 of the Tariff Regulations. For availing load factor rebate the consumer has to make its payment within due date.

8.5.7 Power Factor Rebate / Surcharge:

8.5.7.1 The Power Factor (PF) rebate and surcharge shall continue for those HV, EHV and L&MV (above 50 KVA) categories of consumers to whom these are applicable at present. The power factor rebate and surcharge will be applicable in terms of percentage of energy charge of the billing period. The PF rebate and surcharge percentage for 2023-24 will remain same as per the existing rates and are given below:



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Power Factor (PF) Range	Power Factor Rebate & Surcharge on Energy Charge in Percentage for 2023-24							
	For consumers under TOD Tariff						For consumers under non-TOD Tariff	
	Normal Period		Peak Period		Off-peak Period		Rebate in %	Surcharge in %
	Rebate in %	Surcharge in %	Rebate in %	Surcharge in %	Rebate in %	Surcharge in %		
PF>0.99	8.00	0.00	9.00	0.00	7.00	0.00	5.00	0.00
PF>0.98 & PF=<0.99	7.00	0.00	8.00	0.00	6.00	0.00	4.00	0.00
PF>0.97 & PF=<0.98	5.00	0.00	6.00	0.00	4.00	0.00	3.00	0.00
PF>0.96 & PF=<0.97	4.00	0.00	5.00	0.00	3.00	0.00	2.50	0.00
PF>0.95 & PF=<0.96	3.00	0.00	4.00	0.00	2.00	0.00	2.00	0.00
PF>0.94 & PF=<0.95	2.25	0.00	3.00	0.00	1.50	0.00	1.50	0.00
PF>=0.93 & PF<0.94	1.50	0.00	2.00	0.00	1.00	0.00	1.00	0.00
PF>=0.92 & PF<0.93	0.75	0.00	1.00	0.00	0.50	0.00	0.50	0.00
PF>=0.86 & PF<0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PF>=0.85 & PF<0.86	0.00	1.00	0.00	1.25	0.00	0.75	0.00	0.75
PF>=0.84 & PF<0.85	0.00	2.00	0.00	2.50	0.00	1.50	0.00	1.50
PF>=0.83 & PF<0.84	0.00	2.50	0.00	3.25	0.00	1.75	0.00	1.75
PF>=0.82 & PF<0.83	0.00	3.00	0.00	4.00	0.00	2.00	0.00	2.00
PF>=0.81 & PF<0.82	0.00	4.00	0.00	5.00	0.00	3.00	0.00	2.50
PF>=0.80 & PF<0.81	0.00	5.00	0.00	6.00	0.00	4.00	0.00	3.00
PF<0.80	0.00	6.00	0.00	7.00	0.00	5.00	0.00	3.50

For the purpose of computation of rebate and surcharge for any consumer the normal, peak and off-peak shall be as specified in Annexure C2 of the Tariff Regulations for the respective consumer category. The power factor rebate and surcharge for different time periods shall be reflected in the bill separately and shall be treated separately.

- 8.5.8 For short-term supply, emergency supply and for supply of construction power there shall be no rebate or surcharge for load factor or power factor.
- 8.5.9 Rebate for demand side management shall continue at the prevailing rate and conditions for those categories of consumers to whom these were applicable during the period. From the date of issuance of this order, the licensee has to ensure that the rebate is applicable to the consumers who make their payments within due date.
- 8.5.10 **Minimum charges:** Subject to the condition as specified in regulation 4.13 of the Tariff Regulations, the minimum charge excluding meter rent, taxes, levies etc. and arrears shall be recovered at the following rates:

Minimum Charge for the Year 2023-24 (In Rs./ kVA/Month)	
Category of consumers	Minimum Charge
(i) Lifeline	28.00



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MYT 8th Control Period and Tariff Order of WBSEDCL for the year 2023 –24

Minimum Charge for the Year 2023-24 (In Rs./ kVA/Month)	
Category of consumers	Minimum Charge
(ii) Domestic – LT	75.00
(iii) Private Educational Institute and Hospital	105.00
(iv) Commercial – LT	105.00
(v) Public Utility, Public Water Works, Commercial Plantation, Street Light, Common Service of Industrial Estate, Co-operative and Group Housing Society	105.00
(vi) Industrial	200.00
(vii) Irrigation Supply	
a) STW	75.00
b) Submersible	75.00
(viii) LV and MV (Above 50 KVA but up to 200 KVA)	
Domestic	200.00
(ix) HV and EHV	
Domestic, Sports Complex, Common Service of Industrial State Co-operative and Group Housing Society,	400.00

8.5.11 Other charges:

- (i) Reconnection / disconnection charges applicable from 01.04.2023 shall be as below:

Particulars	Disconnection charge	Reconnection charge
L&MV consumers upto 50 KVA	Rs. 200	Rs. 300
L&MV consumers for 50 KVA and above	Rs. 1000	Rs. 2000
HV and EHV consumers	Rs. 2000	Rs. 4000

- (ii) Existing charges related to meter rent, meter testing, fuse call charges, etc. shall continue. No meter rent is applicable for consumers who have provided their own meters or have paid the cost of meter to WBSEDCL.

WBSEDCL as per their submission may exempt meter rent for the consumers. Any financial implications arising out of this shall be entirely borne by WBSEDCL.

8.5.12 For any prepaid and TOD tariff scheme other charges shall be the charges applicable to consumers under respective category of non-TOD tariff, unless specifically mentioned in this order or the Tariff Regulations, as amended. However, any security deposit is not applicable for consumers under prepaid tariff scheme.



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8.5.13 Tariff for Military Engineering Services (MES) at under L&MV category shall continue to be same as that of MES tariff in HV&EHV category.

8.5.14 For short-term supply, emergency supply and for supply of construction power under L&MV category of 50 kVA and above, the rates will be same as that of HV category.

8.5.15 Timely Payment Rebate:

8.5.15.1 For all consumers, excluding consumers having prepaid meters, 1% rebate shall be given on the amount of bill excluding meter rent, taxes, duties, levies and arrears (not being arrears due to revision of tariff) if the payment is made within due date.

8.5.15.2 In order to encourage one time payment for three months bill a special rebate of 10 paisa/kWh on energy charge shall be given to domestic and commercial consumers under L&MV categories covered by quarterly billing cycle under normal or normal -TOD tariff scheme if the payment is made for the quarter at a time within the due date stipulated for the first month of the quarter. This rebate shall be computed over the net amount of bill after adjusting rebate under paragraph 8.5.14.1 above.

8.5.16 **Delayed payment surcharge:** Delayed payment surcharge will be applicable at the rate and the manner specified in regulations 4.14.1 and 4.14.2 of the Tariff Regulations.

8.5.17 **Additional rebate for E-payment and e-bill:** For all consumers, excluding consumers having prepaid meters, an additional rebate of 1% of the amount of bill excluding meter rent, tax, duties, levies and arrears (not being arrears due to revision of tariff) would be allowed to the consumers who would pay their energy bills through e-payment facility following the conditions specified in regulation 8.5.4 of the Tariff Regulations. This rebate shall be computed over the net amount of bill after adjusting rebate under paragraph 8.5.15 above.

8.5.18 All the rates and conditions of tariff mentioned in the paragraph 8.5.3 to 8.5.17 above are effective from 1st April 2023 and will continue till further order of the Commission.



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MYT 8th Control Period and Tariff Order of WBSEDCL for the year 2023 –24

- 8.6 Any matter which has not been explicitly mentioned in this order shall be guided by regulations 2.9.8 and 2.9.9 of the Tariff Regulations.
- 8.7 Green Tariff: In view of the Green Open Access Rules and 'Go Green' initiatives taken up by the Government, the Commission, in order to promote renewables, had introduced 'Green Tariff' since 2022-23 for all consumers other than domestic and agriculture consumers. For 2023-24, 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.
- 8.8 Promotional tariff for Electric Vehicle Charging Stations: In addition to promoting the renewables, the Government has also decided for promotion Electric Vehicles to achieve overall reduction of carbon footprint. The Commission in line with such Government Policy has already introduced promotional single part tariff for EV Charging stations in the tariff order of 2022-23 at Rs. 6.00 per unit during the peak hours (17:00 hrs to 23:00 hrs) and Rs. Rs. 5.50 per unit during the other than peak hours. The Commission decides to continue with the same tariff during the year 2023-24.
- 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 8.7 above.
- 8.9 Parallel operation / grid support charge: Consumers having in-situ captive generating plant willing to synchronize its captive plant with WBSEDCL system for enhancement of its reliability and security of operation shall pay a parallel operation / grid support charge at the rate of Rs. 20 /KVA/ month for the entire capacity of the captive generating plant in addition to other applicable charges payable by the consumer.
- 8.10 In case the monthly billing cycle is introduced due to implementation of smart meter for any consumer category where tariff schedule specifies for quarterly billing cycles, the quantum of monthly slabs shall be computed as 1/3rd of the quantum of quarterly slabs.



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MYT 8th Control Period and Tariff Order of WBSEDCL for the year 2023 –24

- 8.11 All statutory levies like Electricity Duty or any other taxes, duties etc. imposed by the State Govt. / Central Govt. or any other competent authority shall be extra and shall not be a part of the tariff as determined under this tariff order.
- 8.12 It is open to the State Government to grant any subsidy to any consumer or any class of consumers in the tariff determined by the Commission for WBSEDCL. If at all any such subsidy under the provisions of the Act is intimated to WBSEDCL and to the Commission by the Government of West Bengal with clear indication of the consumer or class of consumers to be subsidized and the amount of the subsidy proposed to be given is paid in advance, the tariff of such consumer and / or the class of consumers shall be deemed to have been reduced accordingly as has been indicated by the State Government. However, such direction of the State Government shall not be operative till the payment is made by the State Government in accordance with the provisions of the Act and the Regulations made thereunder, and the tariff as fixed by the Commission shall remain applicable. In accordance with the Tariff Regulations, the State Government is required to communicate the decision to WBSEDCL and the Commission within 15 days from the date of receipt of the tariff order, whether it shall give any subsidy to any group of consumers etc.
- 8.13 WBSEDCL shall clearly indicate in the consumer's bill (a) the amount payable in terms of the tariff determined by the 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.
- 8.14 WBSEDCL shall present to the Commission a gist of this order in accordance with regulation 2.9.6 of the Tariff Regulation within three working days from the date of receipt of this order for approval of the Commission, and on receipt of the approval, shall publish the approved gist in terms of the aforesaid regulation within four working days from the date of receipt of the approval of the Commission.



Tariff Order of erstwhile DPL for 2023-24

LOW AND MEDIUM VOLTAGE CONSUMERS

Annexure -8A1



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	Consumer category	Name of the Tariff Scheme	Optional Tariff Scheme - I Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs/(KVA/ mon	Consumer category	Name of the Tariff Scheme	Optional Tariff Scheme - II Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs/(KVA/ mon	
1.	Life Line Consumer (Domestic)	Rate C(3-L)	Normal	0 to 25	250	5	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	
2.	Domestic (Rural) or Domestic (Urban)	Rate C(3)	Normal	25	345	15	Prepaid	All Units	418	15	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				Next	420												
				Next	435												
				Next	467												
				Next	486												
3.	Commercial (Rural) or Commercial (Urban)	Rate C(4)	Normal	Above	499	30	Normal TOD	06.00 hrs to 17.00 hrs	453	30	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				First	431												
				Next	472												
				Next	492												
				Next	505												
4.	Irrigation pumping for Agriculture (Metered)	Rate C(5)t	Normal TOD	06.00 hrs to 17.00 hrs	310	20	Pre-Paid TOD	06.00 hrs to 17.00 hrs	305	20	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs to 23.00 hrs	620												
				23.00 hrs to 06.00 hrs	171												
				06.00 hrs to 17.00 hrs	448												
				17.00 hrs to 23.00 hrs	493												
				23.00 hrs to 06.00 hrs	417												



LOW AND MEDIUM VOLTAGE CONSUMERS

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	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 C(4) cp	Prepaid-TOD	06.00 hrs to 17.00 hrs	All units	477	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs to 23.00 hrs	All units	760					
				23.00 hrs to 06.00 hrs	All units	315					
6.	Short Term Irrigation Supply	Rate C(5)-stis	Prepaid-TOD	06.00 hrs to 17.00 hrs	All units	432	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs to 23.00 hrs	All units	691					
				23.00 hrs to 06.00 hrs	All units	285					
7.	Short Term supply for Commercial Plantation	Rate C(4)-stcp	Prepaid-TOD	06.00 hrs to 17.00 hrs	All units	482	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs to 23.00 hrs	All units	771					
				23.00 hrs to 06.00 hrs	All units	318					



Tariff Order of erstwhile DPL for 2023-24
Annexure -8A1

LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme				Optional tariff Scheme				Optional Tariff Scheme - II						
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kwh	Fixed Charge/ Demand Charge* in Rs/KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs/KVA/ mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs/KVA/ mon
8.	Short-term Supply	Rate C(1st)	Prepaid - TOD	06.00 hrs to 17.00 hrs	532	40	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	
				17.00 hrs to 23.00 hrs	585											
				23.00 hrs to 06.00 hrs	495											
9.	Government School, Government aided School and Government sponsored School	Rate C(GS)	Normal	On all Units	341	20	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	
					336											
					370											
10.	Public utility /Specified Institution Public Bodies In Municipal Area/ Non-Municipal Area	Rate C(2)	Normal	On all Units	460	34	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	
					Rate C(2-U)pp											451
					Prepaid											34
11.	Cottage Industry / Artisan / Weavers / Small production oriented establishment	Rate C(4 - ii)	Normal	First	419	12	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	
				Next	477											
				Above	489											



Tariff Order of erstwhile DPL for 2023-24

LOW AND MEDIUM VOLTAGE CONSUMERS

Annexure -8A1



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	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(4 -iii)	Normal	First	100	428	12	Prepaid - TOD	06.00 hrs to 17.00 hrs	All units	444	12	NOT APPLICABLE
				Next	200	443			17.00 hrs to 23.00 hrs	All units	488		
				Above	300	490			23.00 hrs to 06.00 hrs	All units	413		
13.	Public Water Works & Sewerage System	Rate B1 (II)	Normal	On all Units		462	38	Prepaid - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All Units	453	38	NOT APPLICABLE
				On all Units		476			17.00 hrs to 20.00 hrs	All Units	602		
14.	Industry (Rural) or Industry (Urban)	Rate C(1)	Normal	First	500	476	50	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	480	50	NOT APPLICABLE
				Above	500	487			17.00 hrs to 23.00 hrs	All Units	634		
15.	Street Lighting	Rate D(1-I)	Normal	On all Units		438	30	NOT APPLICABLE					
16.	Street Lighting (LED)	Rate D(2-I)	Normal	On all Units		374	30	NOT APPLICABLE					
17.	Private Educational Institutions and Hospitals	Rate D(4-I)	Normal	On all Units		497	40	Normal TOD	06.00 hrs to 17.00 hrs & 20.00 hrs to 23.00 hrs	On all Units	487	40	NOT APPLICABLE
				On all Units		497			17.00 hrs to 20.00 hrs	On all Units	536		
				On all Units		497			23.00 hrs to 06.00 hrs	On all Units	453		



Tariff Order of erstwhile DPL for 2023-24

Annexure -8A1

LOW AND MEDIUM VOLTAGE CONSUMERS

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	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs/KVA/ mon
18.	Emergency Supply	Rate D(6)	Prepaid-TOD	06.00 hrs to 17.00 hrs	On all Units	614	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs to 23.00 hrs	On all Units	810					
				23.00 hrs to 06.00 hrs	On all Units	461					
19.	Construction Power Supply	Rate D(6-1)	Prepaid-TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units	494	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs to 20.00 hrs.	On all Units	627					
				23.00 hrs to 06.00 hrs	On all Units	420					



Tariff Order of erstwhile DPL for 2023-24

LOW AND MEDIUM VOLTAGE CONSUMERS

Annexure -8A1



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	Consumer category	Name of the Tariff Scheme	Optional Tariff Scheme - I Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs/KVA/ mon	
20.	Bulk Supply at single point to 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(7-I)	Normal	All units	409	40	Rate D(7-I)t	Normal - TOD	06.00 hrs to 17.00 hrs	404	40	NOT APPLICABLE
									17.00 hrs to 23.00 hrs	444		
									23.00 hrs to 06.00 hrs	376		
21.	Common Services of Industrial Estate	Rate D(8-I)	Prepaid - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs to 23.00 hrs	465	50	Rate D(8-I)	Prepaid - TOD	17.00 hrs to 20.00 hrs.	614	NOT APPLICABLE	
				23.00 hrs to 06.00 hrs	349							



Tariff Order of erstwhile DPL for 2023-24

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -8A2

Sl No	Type of Consumer	Applicable Tariff Scheme				Optional Tariff Scheme				Demand Charge (Rs./ KVA/ month)						
		Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Demand Charge (Rs./ KVA/ month)	Energy Charge			Consumption per month in KWH		Energy Charge					
						Summer	Monsoon	Winter			Summer	Monsoon	Winter			
1	Public Utility (11 KV)	Rate A(2)	Normal	All Units	320	405	403	401	All Units	320	403	401	399	320		
2	Public Utility (33 KV)	Rate F(2)	Normal	All Units	320	400	398	396	All Units	320	398	396	394	320		
3	Industries (11 KV)	Rate A(1a)	Normal	All Units	320	437	435	433	All Units	320	428	426	424	320		
4	Industries (33 KV)	Rate F(1at)	Normal - TOD	All Units	320	422	420	418	All Units	320	364	362	360	320		
						496	494	491			All Units	320	503		501	498
						359	357	355					All Units			364
NOT APPLICABLE																



Tariff Order of erstwhile DPL for 2023-24

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -8A2

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme				
		Consumer category	Name of the Tariff Scheme	Consumption per month in KWH			Demand Charge (Rs./ KVA/ month)	Name of the Tariff Scheme	Consumption per month in KWH			Demand Charge (Rs./ KVA/ month)
				Energy Charge	Summer	Monsoon			Winter	Energy Charge	Summer	
5	Industries (132 KV)	RateG(1at)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	417	415	412	320	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs-23.00 hrs	All Units	490	488	484				
				23.00 hrs-06.00 hrs	All Units	354	353	350				
6	Community Irrigation/ Irrigation	Rate S1(GT)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	444	442	440	25	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs-23.00 hrs	All Units	799	796	792				
				23.00 hrs-06.00 hrs	All Units	293	292	290				
7	Commercial Plantation	Rate S1(CPT)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	446	444	442	320	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs-23.00 hrs	All Units	714	710	707				
				23.00 hrs-06.00 hrs	All Units	294	293	292				
8	Short Term Irrigation Supply	Rate S1(GT-ST)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	466	464	462	25	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs-23.00 hrs	All Units	746	742	739				
				23.00 hrs-06.00 hrs	All Units	308	306	305				



Tariff Order of erstwhile DPL for 2023-24

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -8A2

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme											
		Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./ KVA/ month)						
					Summer	Monsoon	Winter			Summer	Monsoon	Winter							
9	Short Term Supply for Commercial Plantation	Rate S1(CPT. ST)	Normal - TOD	06.00 hrs- All Units	451	449	447	NOT APPLICABLE	All Units	Normal - TOD	06.00 hrs- All Units	437	432	427	320				
				17.00 hrs- All Units	722	718	715				17.00 hrs- All Units	577	570	564					
				23.00 hrs- All Units	298	296	295				23.00 hrs- All Units	315	311	307					
				06.00 hrs- All Units	442	437	432				06.00 hrs- All Units	431	426	421					
10	Commercial (11 KV)	Rate A(3)	Normal	All Units	435	433	431	NOT APPLICABLE	All Units	Normal - TOD	06.00 hrs- All Units	569	562	556	320				
											17.00 hrs- All Units	315	311	307		17.00 hrs- All Units	420	415	410
											23.00 hrs- All Units	425	423	421		23.00 hrs- All Units	554	548	541
11	Commercial (33 KV)	Rate F(3)	Normal	All Units	425	423	421	NOT APPLICABLE	All Units	Normal - TOD	06.00 hrs- All Units	315	311	307	320				
											17.00 hrs- All Units	420	415	410		17.00 hrs- All Units	420	415	410
											23.00 hrs- All Units	554	548	541		23.00 hrs- All Units	554	548	541
12	Commercial (132 KV)	Rate G(3)	Normal	All Units	425	423	421	NOT APPLICABLE	All Units	Normal - TOD	06.00 hrs- All Units	315	311	308	320				
											17.00 hrs- All Units	420	415	410		17.00 hrs- All Units	420	415	410
											23.00 hrs- All Units	554	548	541		23.00 hrs- All Units	554	548	541



Tariff Order of erstwhile DPL for 2023-24

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -8A2

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional Tariff Scheme									
		Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/kWh			Consumption per month in KWH	Energy Charge P/kWh			Demand Charge (Rs./ KVA/ month)				
					Summer	Monsoon	Winter		Summer	Monsoon	Winter					
13	Domestic	Rate S1(D)	Normal	All Units	465	463	461	25	Normal - TOD	06.00 hrs-17.00 hrs	All Units	459	457	455	25	
14	Public Water Works & Sewerage (11 KV)	Rate E1 (PW)	Normal	All Units	409	407	405	320	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs-23.00 hrs	All Units	400	395	390	320	
15	Public Water Works & Sewerage (33 KV)	Rate F1(PWT)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs-23.00 hrs All Units	426	419	422	320								
				All Units	562	553	557									
				All Units	320	314	317									
16	Sports Complex & Auditorium run by Govt./ local bodies for cultural affairs	Rate S1(C)	Normal	All Units	400	398	396	34								

NOT APPLICABLE

NOT APPLICABLE



Tariff Order of erstwhile DPL for 2023-24

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -8A2

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme								
		Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/kWh			Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge P/kWh			Demand Charge (Rs./ KVA/ month)		
					Summer	Monsoon	Winter				Summer	Monsoon	Winter			
17	Cold storage or Dairy with Chilling Plant (11 KV)	Rate A(4-pi)	Normal	All Units	400	398	396	320	Rate A(4-pt)	Normal - TOD	06.00 hrs- 17.00 hrs	All Units	390	387	384	320
					17.00 hrs- 23.00 hrs	All Units	515				511	507				
					23.00 hrs- 06.00 hrs	All Units	285				283	280				
18	Emergency Supply	Rate S (ST)	Normal-TOD	06.00 hrs- 17.00 hrs	All Units	510	500	490	320	NOT APPLICABLE	NOT APPLICABLE			NOT APPLICABLE		
				17.00 hrs- 23.00 hrs	All Units	714	700	686								
				23.00 hrs- 06.00 hrs	All Units	383	375	368								
19	Construction Power Supply	Rate S1(con)	Normal-TOD	06.00 hrs- 17.00 hrs & 20.00 hrs- 23.00 hrs	All Units	432	422	412	320	NOT APPLICABLE	NOT APPLICABLE			NOT APPLICABLE		
				17.00 hrs- 20.00 hrs	All Units	570	557	544								
				23.00 hrs- 06.00 hrs	All Units	315	308	301								
20	Bulk Supply at single point to Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises	Rate S1(co)	Normal	All Units	444	441	438	25	Rate S1(cot)	Normal - TOD	06.00 hrs- 17.00 hrs	All Units	440	437	434	25
					17.00 hrs- 23.00 hrs	All Units	484				481	477				
					23.00 hrs- 06.00 hrs	All Units	409				406	404				



Tariff Order of erstwhile DPL for 2023-24

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Annexure -8A2

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme								
		Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./ KVA/ month)	Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge (Rs./ KVA/ month)	
					Summer	Monsoon	Winter					Summer	Monsoon	Winter		
21	Common Services of Industrial Estate	Rate - E (ict)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs - 23.00 hrs	443	433	423	320	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	
				17.00 hrs-20.00 hrs	585	572	558									
				23.00 hrs-06.00 hrs	332	325	317									
22	Traction (25 KV)	Rate T1 (a)	Normal	All Units	480	470	460	320	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	
23	Traction (132 KV)	Rate T1 (b)	Normal	All Units	475	465	455	320	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	
24	Short-term Supply	Rate S1(st)	Normal - TOD	06.00 hrs-17.00 hrs	490	488	486	320	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	
				17.00 hrs-23.00 hrs	539	537	535									
				23.00 hrs-06.00 hrs	456	454	452									
25	Private Educational Institutions	Rate E (ei)	Normal	All Units	420	415	410	320	Rate E (eit)	Normal - TOD	All Units	06.00 hrs-17.00 hrs	410	405	400	320
26	Inter Plant Transfer	Rate IPT	Normal	All Units	451.30	451.30	451.30	0	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme				Optional tariff Scheme								
		Consumer category	Name of the Tariff Scheme	Quarterly consumption in KWH	Energy Charge P/KWh	Fixed Charge / Demand Charge * in Rs/KVA/mon	Consumer category	Name of the Tariff Scheme	Quarterly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/KVA/mon			
1.	Life Line (Domestic)	Rate A(DM-LL)	Normal	0 to 75	368	10	NOT APPLICABLE							
				First 102	500		06.00 hrs to 17.00 hrs	All units	698	30				
2.	Domestic (Rural)	Rate A(DM-R)	Normal	Next 78	624	30	Normal - TOD	All units	838		732	60		
				Next 120	689					17.00 hrs to 23.00 hrs.			All units	886
				Next 300	744									
				Next 300	743					Rate A(DM)T			Rate A(CM)T	
				Above 900	922									Rate A(DM)T
				First 102	504					Rate A(DM)T			Rate A(CM)T	
Next 78	633	Rate A(DM)T	Rate A(CM)T											
Next 120	712			Rate A(DM)T	Rate A(CM)T									
Next 300	752	Rate A(DM)T	Rate A(CM)T											
Next 300	769			Rate A(DM)T	Rate A(CM)T									
Above 900	922	Rate A(DM)T	Rate A(CM)T											
First 180	575			Rate A(DM)T	Rate A(CM)T									
Next 120	750	Rate A(DM)T	Rate A(CM)T											
Next 150	820			Rate A(DM)T	Rate A(CM)T									
Next 450	851	Rate A(DM)T	Rate A(CM)T											
Above 900	902			Rate A(DM)T	Rate A(CM)T									
First 180	577	Rate A(DM)T	Rate A(CM)T											
Next 120	752			Rate A(DM)T	Rate A(CM)T									
Next 150	820	Rate A(DM)T	Rate A(CM)T											
Next 450	851			Rate A(DM)T	Rate A(CM)T									
Above 900	902	Rate A(DM)T	Rate A(CM)T											
First 180	577			Rate A(DM)T	Rate A(CM)T									
Next 120	752	Rate A(DM)T	Rate A(CM)T											
Next 150	820			Rate A(DM)T	Rate A(CM)T									
Next 450	851	Rate A(DM)T	Rate A(CM)T											
Above 900	902			Rate A(DM)T	Rate A(CM)T									
First 180	577	Rate A(DM)T	Rate A(CM)T											
Next 120	752			Rate A(DM)T	Rate A(CM)T									
Next 150	820	Rate A(DM)T	Rate A(CM)T											
Next 450	851			Rate A(DM)T	Rate A(CM)T									
Above 900	902	Rate A(DM)T	Rate A(CM)T											
First 180	577			Rate A(DM)T	Rate A(CM)T									
Next 120	752	Rate A(DM)T	Rate A(CM)T											
Next 150	820			Rate A(DM)T	Rate A(CM)T									
Next 450	851	Rate A(DM)T	Rate A(CM)T											
Above 900	902			Rate A(DM)T	Rate A(CM)T									
First 180	577	Rate A(DM)T	Rate A(CM)T											
Next 120	752			Rate A(DM)T	Rate A(CM)T									
Next 150	820	Rate A(DM)T	Rate A(CM)T											
Next 450	851			Rate A(DM)T	Rate A(CM)T									
Above 900	902	Rate A(DM)T	Rate A(CM)T											



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme				Optional tariff Scheme					
		Consumer category	Name of the Tariff Scheme	Quarterly consumption in KWH	Energy Charge P/KWh	Fixed Charge / Demand Charge * in Rs/KVA/mon	Consumer category	Name of the Tariff Scheme	Quarterly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge * in Rs/KVA/mon
6.	Public utility/ Specified Institution/ Public Bodies (Municipal and Non-Municipal Area)	Rate A(CM-PU)	Normal	On all Units	690	100	Rate A(CM-PU)T	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs. - 23.00 hrs.	680	100
									17.00 hrs to 20.00 hrs.	741	
									23.00 hrs to 06.00 hrs	639	
7.	Government School, Government aided school or Government sponsored school	Rate A(CM-I)	Normal	On all Units	412	50	NOT APPLICABLE				
8.	Cottage Industry / Artisan / Weavers / Small production oriented establishment and Poultry/ Duckery/ Horticulture/ Floriculture/ Herbal-Medicinal/ Bio-diesel plant Farming/ Food Processing Unit/Pisciculture/ Aquaculture	Rate A(CM-II)	Normal	On all Units	609	34	Rate A(CM-II)T	Normal - TOD	06.00 hrs to 17.00 hrs	599	34
									17.00 hrs to 23.00 hrs.	659	
									23.00 hrs to 06.00 hrs.	563	

Tariff Order of WBSEDCL for the year 2023-24
Annexure-8B2



LOW AND MEDIUM VOLTAGE CONSUMERS

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	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/KWh	Fixed Charge/ Demand Charge* in Rs/KVA/mon
1.	Labour Line (Domestic)	Rate A(DM-L)	Normal	All units	619	30					
2.	Irrigation pumping for Agriculture (Metered)	Rate C(T)	Normal TOD	06.00 hrs to 17.00 hrs	All units	350	40				
				17.00 hrs to 23.00 hrs.	All units	771					
				23.00 hrs to 06.00 hrs	All units	265					
3.	Irrigation pumping for Agriculture (Metered supply from mixed HV feeder)	Rate C(A)	Normal	All units	466	60					
4.	Commercial Plantation	Rate A(CM) - CP	Normal TOD	06.00 hrs to 17.00 hrs	All units	693	100				
				17.00 hrs to 23.00 hrs.	All units	898					
				23.00 hrs to 06.00 hrs	All units	704					
5.	Short Term Irrigation Supply	Rate C(T) - STIS	Normal TOD	06.00 hrs to 17.00 hrs	All units	440	40				
				17.00 hrs to 23.00 hrs.	All units	848					
				23.00 hrs to 06.00 hrs	All units	302					

**Tariff Order of WBSEDCL for the year 2023-24
Annexure-8B2**



LOW AND MEDIUM VOLTAGE CONSUMERS

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	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs/KVA/mon		
6.	Short Term supply for Commercial Plantation	Rate A(CM)-STCP	Normal TOD	06.00 hrs to 17.00 hrs	All units	693	100						
				17.00 hrs to 23.00 hrs.	All units	946							
				23.00 hrs to 06.00 hrs	All units	702							
7.	Short-term, Emergency and Construction Power Supply	Rate A(ST)	Normal TOD	06.00 hrs to 17.00 hrs	All units	795	150						
				17.00 hrs to 23.00 hrs.	All units	956							
				23.00 hrs to 06.00 hrs	All units	755							
8.	Industry (Rural) and Cold Storage & Dairy with Chilling Plant	Rate B(I-R)	Normal	First	500	507	75						
				Next	1500	765							
				Above	2000	757							
9.	Industry (Urban) and Cold Storage & Dairy with Chilling Plant	Rate B(I-U)	Normal	First	500	523	75						
				Next	1500	786							
				Above	2000	783							
10.	Public Water Works & Sewerage System	Rate B (II)	Normal	On all Units		701	80						
				Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs - 23.00 hrs.	All Units							687
					17.00 hrs to 20.00 hrs.	All Units							1031
				23.00 hrs to 06.00 hrs	All Units	474							



LOW AND MEDIUM VOLTAGE CONSUMERS

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	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs/KVA/mon	
11.	Street Lighting	Rate D(1)	Normal	On all Units	682	100						
12.	Street Lighting with LED	Rate D(2)	Normal	On all Units	498	100						
13.	Private Educational Institutions and Hospitals	Rate D(4)	Normal	On all Units	703	100	Rate D(4) T	Normal - TOD	06.00 hrs to 17.00 hrs & 20.00 hrs to 23.00 hrs	On all Units	700	100
									17.00 hrs to 20.00 hrs	On all Units	763	
									23.00 hrs to 06.00 hrs	On all Units	651	
14.	Bulk Supply at single point to 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(7)	Normal	All units	703	90	Rate D(7) T	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units	700	90
									17.00 hrs to 20.00 hrs.	On all Units	763	
									23.00 hrs to 06.00 hrs	On all Units	651	
15.	Common Services of Industrial Estate	Rate D(8)	Normal - TOD	On all Units	695	100	Rate D(8)	Normal - TOD	06.00 hrs. - 17.00 hrs. & 20.00 hrs to 23.00 hrs	On all Units	695	100
									17.00 hrs to 20.00 hrs.	On all Units	856	
									23.00 hrs to 06.00 hrs	On all Units	655	

Tariff Order of WBSEDCL for the year 2023-24
Annexure-8B2



LOW AND MEDIUM VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme				Optional tariff Scheme				
		Consumer category	Name of the Tariff Scheme	Monthly consumption in 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
16.	Industrial consumers (50 KVA and above)	Rate B- IDI	Normal	All units	270	Rate B- IDIT	Normal TOD	06.00 hrs. – 17.00 hrs.	683	270
								17.00 hrs to 23.00 hrs.	820	
								23.00 hrs to 06.00 hrs	512	
17.	Commercial consumers (50 KVA and above)	Rate B- IDC	Normal	All units	270	Rate B- IDCT	Normal TOD	06.00 hrs. – 17.00 hrs.	712	270
								17.00 hrs to 23.00 hrs.	993	
								23.00 hrs to 06.00 hrs	472	
18.	Domestic consumers (50 KVA and above)	Rate D- ID	Normal	All units	68	Rate D- IDT	Normal TOD	06.00 hrs. – 17.00 hrs.	667	68
								17.00 hrs to 23.00 hrs.	933	
								23.00 hrs to 06.00 hrs	442	
19.	Other than Industrial, Commercial and Domestic consumers except Short-term/ Construction/ Emergency Power Supply (50 KVA and above)	Rate C- ID	Normal	All units	270	Rate C- IDT	Normal TOD	06.00 hrs. – 17.00 hrs.	590	270
								17.00 hrs to 23.00 hrs.	823	
								23.00 hrs to 06.00 hrs	392	

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

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional Tariff Scheme								
		Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Consumption per month in KWH	Energy Charge			Demand Charge (Rs./ KVA/ month)			
					Summer	Monsoon	Winter		Summer	Monsoon	Winter				
1	Public Utility (11 KV)	Rate E(A)	Normal	All Units	670	668	666	384	Rate E(AT)	Normal - TOD	06.00 hrs-17.00 hrs & All Units	651	649	647	384
											20.00 hrs-23.00 hrs	968	965	962	
											17.00 hrs-20.00 hrs	517	516	515	
											23.00 hrs-06.00 hrs	638	636	634	
2	Public Utility (33 KV)	Rate F(A)	Normal	All Units	660	658	656	384	Rate F(AT)	Normal - TOD	06.00 hrs-17.00 hrs & All Units	946	943	940	384
											20.00 hrs-23.00 hrs	506	504	503	
											17.00 hrs-20.00 hrs	695	694	693	
											23.00 hrs-06.00 hrs	837	836	835	
3	Industries (11 KV)	Rate E(B)	Normal	All Units	707	706	705	384	Rate E(BT)	Normal - TOD	06.00 hrs-17.00 hrs	518	517	516	384
											17.00 hrs-23.00 hrs	677	675	673	
4	Industries (33 KV)	Rate F(B)	Normal	All Units	691	689	687	384	Rate F(BT)	Normal - TOD	17.00 hrs-23.00 hrs	818	815	812	384
											23.00 hrs-06.00 hrs	501	500	498	



HIGH & EXTRA HIGH VOLTAGE CONSUMERS



Sl No	Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme							
		Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Consumer 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 (132 KV)	Rate H(B)	Normal	All Units	677	675	673	384	Rate H(BT)	Normal - TOD	06.00 hrs-17.00 hrs	655	653	651	384
											17.00 hrs-23.00 hrs	793	790	787	
6	Industries (220KV)	Rate I(BT)	Normal - TOD	06.00 hrs-17.00 hrs	595	593	591	384	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs-23.00 hrs	721	718	715								
				23.00 hrs-06.00 hrs	437	436	435								
				06.00 hrs-17.00 hrs	575	573	571								
7	Industries (400 KV)	Rate J(BT)	Normal - TOD	06.00 hrs-17.00 hrs	697	694	691	384	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs-23.00 hrs	422	421	420								
				23.00 hrs-06.00 hrs	706	704	705								
				06.00 hrs-17.00 hrs	1032	1029	1031								
8	Community Irrigation/ Irrigation	Rate S(GT)	Normal - TOD	06.00 hrs-17.00 hrs	425	423	424	34	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs-23.00 hrs	741	739	737								
				23.00 hrs-06.00 hrs	1023	1020	1017								
				06.00 hrs-17.00 hrs	507	506	505								
9	Commercial Plantation and Short Term Supply for Commercial Plantation	Rate S(CPT)	Normal - TOD	06.00 hrs-17.00 hrs	1023	1020	1017	384	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
				17.00 hrs-23.00 hrs	507	506	505								
				23.00 hrs-06.00 hrs	1023	1020	1017								
				06.00 hrs-17.00 hrs	507	506	505								



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme								
		Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Consumption per month in KWH	Name of the Tariff Scheme	Energy Charge			Demand Charge (Rs./ KVA/ month)			
					Summer	Monsoon	Winter			Summer	Monsoon	Winter				
10	Short Term Irrigation Supply	Rate S(GT-ST)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	746	742	744	34	Normal - TOD	06.00 hrs-17.00 hrs	All Units	660	659	658	384
				17.00 hrs-23.00 hrs	All Units	1095	1089	1092			17.00 hrs-23.00 hrs	All Units	999	996	993	
				23.00 hrs-06.00 hrs	All Units	445	443	444			23.00 hrs-06.00 hrs	All Units	382	381	380	
				NOT APPLICABLE												
11	Commercial (11 KV)	Rate E(C)	Normal	All Units	677	675	673	384	Normal - TOD	06.00 hrs-17.00 hrs	All Units	649	648	647	384	
										17.00 hrs-23.00 hrs	All Units	987	986	984		
12	Commercial (33 KV)	Rate F(C)	Normal	All Units	664	662	660	384	Normal - TOD	06.00 hrs-17.00 hrs	All Units	371	370	369	384	
										17.00 hrs-23.00 hrs	All Units	641	639	637		
13	Commercial (132 KV)	Rate H(C)	Normal	All Units	661	659	657	384	Normal - TOD	06.00 hrs-17.00 hrs	All Units	976	974	972	384	
										17.00 hrs-23.00 hrs	All Units	368	367	366		



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional Tariff Scheme						
		Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Consumption per month in KWH	Energy Charge			Demand Charge (Rs./ KVA/ month)	
					Summer	Monsoon	Winter		Summer	Monsoon	Winter		
14	Domestic and Bulk Supply at single point to 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(D)	Normal	All Units	733	731	729	42	All Units	710	708	706	42
					798	796	794			652	650	649	
15	Public Water Works & Sewerage (11 KV)	Rate E(PW)	Normal	All Units	670	668	666	384	All Units	651	649	647	384
					967	964	961			517	516	515	
16	Public Water Works & Sewerage (33 KV)	Rate F(PW)	Normal	All Units	657	655	653	384	All Units	637	635	633	384
					946	943	940			505	503	501	
17	Sports Complex & Auditorium run by Govt./ local bodies for cultural affairs	Rate S(C)	Normal	All Units	744	743	741	41	All Units	NOT APPLICABLE			



HIGH & EXTRA HIGH VOLTAGE CONSUMERS

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme							
		Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Consumption per month in KWH	Name of the Tariff Scheme	Energy Charge	Demand Charge (Rs./ KVA/ month)				
					Summer	Monsoon	Winter					Summer	Monsoon	Winter	
18	Cold storage/ Dairies with Chilling Plant	Rate S(F)	Normal	All Units	636	635	634	360	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	619	618	617	360
19	Short-Term/ Emergency/ Construction Power Supply	Rate S(ST)	Normal-TOD	06.00 hrs- 17.00 hrs 17.00 hrs- 23.00 hrs 23.00 hrs- 06.00 hrs	775	773	771	450	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	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
20	Common Services of Industrial Estate	Rate E (CT-CS)	Normal - TOD	06.00 hrs- 17.00 hrs & 20.00 hrs- 23.00 hrs 17.00 hrs- 20.00 hrs 23.00 hrs- 06.00 hrs	795	793	791	384	Normal - TOD	06.00 hrs- 17.00 hrs & 20.00 hrs- 23.00 hrs 17.00 hrs- 20.00 hrs 23.00 hrs- 06.00 hrs	All Units All Units All Units	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
21	Traction Supply	Rate T	Normal	All Units	738	735	732	360	Normal	All Units	All Units	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
22	Metro Rail/ Airports under RCS-UDDAN	Rate T (M)	Normal	All Units	716	711	706	105	Normal	All Units	All Units	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
23	Private Educational Institutions	Rate E (C-EI)	Normal	All Units	812	810	808	384	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	800	798	796	384
24	MES	Rate E (C-M)	Normal	All Units	654	652	650	192	Normal	All Units	All Units	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE



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CHAPTER – 9 ORDER ON WHEELING AND OTHER CHARGES FOR OPEN ACCESS FOR 2023 – 24

- 9.1 The Commission in this chapter takes up the matter relating to determination of the rate of distribution wheeling and other charges for Open Access for the year 2023 – 24 in accordance with the principles, terms and conditions laid down in the Tariff Regulations and the West Bengal Electricity Regulatory Commission (Open Access) Regulations, 2022 (hereinafter referred to as “Open Access Regulations”).
- 9.2 **Wheeling Charges:**
- 9.2.1 The distribution wheeling charges represents the charges for the use of distribution systems or associated facilities of a distribution licensee for wheeling of electricity through that facility. It is derived based on total distribution network cost, total unit salable by the licensee to the consumers and total units wheeled for all open access customers in the network. WBSEDCL in Form 1.9 (a) of its petition proposed wheeling of 134 MU for the year 2023 - 24.
- 9.2.2 The Net Aggregate Revenue Requirement for distribution Wheeling for 2023 – 24 comes to Rs. 316802 lakh after deducting the non-tariff income excluding the receipts for transmission and wheeling charges. The detailed computation is shown in Annexure – 9A.
- 9.2.3 The total quantum of sale including energy wheeled as admitted in Chapter 5 for the years 2023 – 24 is as below:

SL No	Particulars	2023 – 24
1	Sale to own consumers [MU]	35218.64
2	Sale to licensees at HV level [MU]	135.63
3	Energy Wheeled [MU]	134.00
	Total	35488.27

- 9.2.4 The applicable rate of wheeling charges for the years 2023 – 24 comes to Rs. 0.89 per kWh as shown below:



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MYT 8th Control Period and Tariff Order of WBSEDCL for the year 2023 –24

SL No	Particulars	Unit	2023 - 24
1	Net admissible Fixed Charge related to distribution for power wheeling only (as per Annexure -9)	Rs. lakh	316802
2	Total of energy wheeled (paragraph 9.4)	MU	35488.27
3	Wheeling charge (1/2)	Rs. / kWh	0.89

9.2.5 In terms of the provisions contained in the Open Access Regulations, the Commission is fixing the above rate of wheeling charges and the same is to be recovered by WBSEDCL during the year 2023 – 24 onwards from the different categories of open access customers as mentioned in the said regulation including captive generators for conveyance of electricity through its distribution system.

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

9.2.6 WBSEDCL shall mention the applicable wheeling charges in the gist of their tariff order.

9.3 Cross-subsidy surcharge:

9.3.1 The open access customer, other than those carrying the electricity generated in captive generating plant to the destination and for the extent of their own use, shall pay cross-subsidy surcharge in addition to the distribution wheeling charge in accordance with the Open Access Regulations.

9.3.2 In terms of clause (b) of regulation 18.2.4 of the Open Access Regulations, cross subsidy surcharge for any open access consumer is determined by the following formula:

$$S = T - ACS + R$$

Where,

S = surcharge,

T = Tariff payable by the relevant category of consumers,

ACS = Average Cost of supply and

R = per unit cost of amortizing regulatory asset including carrying cost.



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Provided that such surcharge shall not exceed 20% of the average tariff applicable to the respective consumer category.

9.3.3 In Chapter -7 of this order the Commission has determined Average Cost of Supply for the year 2023-24 in erstwhile DPL supply area and rest of the WBSEDCL supply area separately as 499.30 paisa/kwh and 712 paisa/kwh respectively. Now, the average tariff of each category of consumers (T) and applicable surcharge (S) are given in Annexure 9B.

Per unit cost of amortizing regulatory asset including carrying cost (R) comes to 48 paisa/ kWh for the year 2023 – 24 as below:

Particulars	Unit	2023 - 24
Release of Withheld amount of Terminal Benefit Fund	in Rs Lakh	129358
Balance APR Adjustment of 2019 - 20		10759.3
APR Adjustment for 2020 - 21		11019
Carrying Cost		17828
Total Amount (A)		168964.3
Sale to Consumer	in MU	35218.64
Sale to Licensee at HV		135.63
Total Sale (B)		35354.27
Per Unit cost of Regulatory Asset (R) = (A) x 10 / (B)	in paisa/ kWh	48

9.3.4 WBSEDCL shall recover the applicable cross subsidy surcharge from all open access consumers following the provisions specified in the Open Access Regulations.

9.4 Additional surcharge:

9.4.1 Distribution licensee shall compute the additional surcharge in terms of the formula specified in the Open Access Regulations and recover from the open access consumers in terms of the said regulations to meet the fixed cost arising out of its obligation to supply in terms of the Electricity Act 2003.

9.5 Other charges and losses applicable to the open access consumers will be same as specified in the Open Access Regulations.



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- 9.6 Distribution licensee shall maintain separate accounts for receipts from open access consumers in terms of wheeling charges, cross-subsidy surcharge, additional surcharge and any other applicable charges. Distribution licensee shall submit the details along with its APR petition of respective years.



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ANNEXURE – 9A COMPUTATION OF WHEELING CHARGES

Sl. No.	Particulars	In Rs Lakhs 2023-24
1	Employee cost for Distribution Function	152037
2	R&M Expenses for Distribution Function	112721
3	A&G Expenses for Distribution Function	50440
4	Statutory Charges	276
5	Interest on loan for Distribution Function	38456
6	Other finance charges for Distribution Function	1995
7	Depreciation (net of depreciation on metering and other asset)	25692
8	Taxes under Income Tax Act	3000
9	Return on Equity on Distribution Function	39439
10	Gross Fixed Charges (Sum 1 to 9)	424056
11	Less: Non-Tariff income (excluding consumer related other incomes)	107254
12	Net admissible Fixed Charge related to distribution for power wheeling only (13 = 10 - 11)	316802



ANNEXURE – 9B
AVERAGE TARIFF FOR CONSUMER CATEGORY AND
APPLICABLE CROSS-SUBSIDY SURCHARGE

Consumer Category	Category -wise Average tariff (T)	Average Cost of Supply (ACS)	Regulatory Component (R)	Cross-subsidy surcharge (S) = (T) – (ACS) + (R)
In paisa/kWh				
LV & MV				
Life line	386	712	48	
Domestic	643	712	48	
Commercial	821	712	48	157
Public Utility	785	712	48	121
Public Water Works	765	712	48	101
Industries (Rural)	789	712	48	125
Industries (Urban)	798	712	48	134
Irrigation	470	712	48	
Govt. School	577	712	48	
Private School	811	712	48	147
Domestic (50 KVA & above)	753	712	48	89
Industries (50 KVA & above)	844	712	48	180
Commercial (50 KVA & above)	853	712	48	189
HV & EHV				
Domestic	721	712	48	57
Commercial - 11 KV	856	712	48	192
Commercial - 33 KV	853	712	48	189
Industries - 11 KV	777	712	48	113
Industries - 33 KV	758	712	48	94
Industries -132 KV	712	712	48	48
Public Utility	851	712	48	187
Public Water works	848	712	48	184
Cold Storage	675	712	48	11
Metro	687	712	48	23
MES	661	712	48	

The applicable surcharge (S) shall be limited to 20% of the Average Tariff (T) of respective category.



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CHAPTER – 10 DIRECTIONS

- 10.1 The Commission has given some direction in different paragraphs in Chapter 4, Chapter 5 and Chapter 6 of this order while determining the variable cost and fixed cost of WBSEDCL. WBSEDCL shall comply with those directions as summarized in paragraph 10.2 below. The Commission also gave directions through earlier Tariff Orders. Some of those directions are in continuous nature and WBSEDCL shall continue to abide by them. In addition, WBSEDCL shall further comply with the following directions:
- 10.2 Summarized directions given in different paragraphs in Chapter 4, Chapter 5 and Chapter 6:
- 10.2.1 Except for the projects entirely funded through Government grant or where the project is partly funded by the Government grants and direct investment of WBSEDCL through loan or equity is within Rs. 125 Crore or 5% of its Gross Fixed Asset, WBSEDCL has to take investment approval for the projects as required under the Tariff Regulations. Capitalization of the assets should be done only after date of put in use of the assets. WBSEDCL shall submit the cost benefit analysis of the completed projects along with APR petition.
- 10.2.2 WBSEDCL shall submit audited figure based on energy meter data at its various establishments and works for the energy requirement for its own consumption along with petition for Annual Performance Review of respective years.
- 10.2.3 WBSEDCL is required to tie up for long-term PPAs with renewable sources instead of relying on the short-term market.
- 10.2.4 While submitting application for APR, WBSEDCL shall submit the Asset Register Summary duly certified by the Statutory Auditor as per Annexure – 10 of the Tariff Regulations.



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- 10.2.5 WBSEDCL shall submit a comprehensive statement incorporating the amounts of (i) income tax provided in the annual reports and accounts, (ii) income tax assessed, (iii) income tax paid and (iv) income tax refunded, if any, supported by documentary evidences vide assessment orders, copies of challans, copies of refund orders year wise from the year 2014-2015 till date with the APR application for the respective years of the control period.
- 10.2.6 WBSEDCL shall submit details of utilization of transmission capacity of intra-state network along with their APR petition.
- 10.2.7 WBSEDCL shall submit detailed justifications and measures taken to reduce the payable VARH charge along with their APR petition in case VARH charge is claimed in APR application.
- 10.2.8 WBSEDCL is directed to furnish their claim in APR with energy received and energy sent out for DSM Charges duly certified by SLDC for due consideration of the Commission.
- 10.2.9 WBSEDCL is directed to submit the details of actual sale to persons other than consumers and licensees during FPPCA of the concerned years for the purpose of truing up.
- 10.3 While submitting application for APR, WBSEDCL shall show through audited accounts of different terminal benefit funds that the contribution to the different terminal benefit funds during the concerned year as a part of employee cost has been duly deposited in the related terminal benefit funds, duly certified by independent auditor. WBSEDCL shall ensure that at least one-twelfth of the amount on account of terminal benefit, as a part of employee cost admitted in the tariff order, is to be deposited in different terminal benefit funds every month as a first charge item.

In case of failure in depositing the amount admitted for terminal benefit fund as directed above, the Commission at its own discretion may withhold or deduct an amount equivalent to the non-deposited amount by WBSEDCL.



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10.4 While submitting application of APR, WBSEDCL shall have to submit the following through affidavit:

That no expenditure has been claimed by WBSEDCL through the APR petition on employee or infrastructure or any other support or O&M activity pertaining to any other business of WBSEDCL unrelated to their licensed business.

10.5 WBSEDCL along with its APR application shall also submit a reconciliation statement, duly certified by the auditor, for items of expenditure wherever the amount claimed in APR petition differs from the Annual Accounts.

10.6 WBSEDCL shall compute their Monthly Variable Cost Adjustment (MVCA) in terms of regulation 5.8.12 of the Tariff Regulations duly taking into consideration all related cost in its true sense and keeping in mind the true spirit of the fuel surcharge formula.

10.7 Henceforth, any petition along with supporting data/ information (scan copy or original as the case may be) shall be submitted by WBSEDCL in a legible format considering a minimum font size of 12 and line spacing of 1.5.

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

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

Dated: 30.03.2023

**Sd/-
SECRETARY**

