



**ORDER
OF
WEST BENGAL ELECTRICITY REGULATORY COMMISSION
FOR THE YEAR 2022 – 2023
IN
CASE NO: TP – 96 / 20 – 21**

**IN REGARD TO THE TARIFF APPLICATION OF CESC LIMITED
FOR THE YEAR 2022 – 2023 UNDER SECTION 64(3)(a) READ
WITH SECTION 62(1) AND SECTION 62(3) OF THE
ELECTRICITY ACT, 2003**

PRESENT:

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

DATE: 11.12.2023



Tariff Order of CESC Limited for the year 2022 – 23

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 CESC Limited, a Company under the Companies Act, 1956, is a distribution licensee in the State of West Bengal for supply of electricity in Kolkata and some areas in the districts of Howrah, Hooghly, North 24 Parganas and South 24 Parganas of the State. It was a licensee under the provisions of the Indian Electricity Act, 1910 (since repealed) and has become a deemed licensee in terms of the first proviso to section 14 of the Act with effect from 10.06.2003 i.e. the date of coming into force of the Act.
- 1.3 In terms of West Bengal Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2011, as amended from time to time (hereinafter referred to as the 'Tariff Regulations'), the Commission vide order dated 28.05.2019 in case no SM-19/19-20 decided that, the seventh control period shall be of three years consisting of 2020 – 21, 2021 – 22 and 2022 – 23. The Commission extended the last date of filing tariff petition for 7th control period unto 31.08.2020 considering repeated prayer of the utilities of the State in view of issuance of Third Amendment of Tariff Regulations and continuing lockdown conditions as per direction of the Government to contain spread of COVID-19 pandemic.
- 1.4 CESC Limited submitted the tariff application for three years of seventh control period under the Multi Year Tariff (MYT) framework on 26.08.2020 and the same was admitted by the Commission in case no. TP – 96/20 – 21. CESC Limited was accordingly, directed to publish of its tariff application in the newspapers. The gist was published on 20.10.2020 simultaneously in newspapers namely - the 'Bartaman' (Bengali), the 'Aajkaal' (Bengali), the 'Sanmarg' (Hindi) and 'The Times of India' (English). The gist along with the tariff application was also posted on the website of CESC Limited. 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



Tariff Order of CESC Limited for the year 2022 – 23

CESC Limited for the seventh control period and requested for submission of suggestions, objections and comments, if any, on the tariff application to the Commission latest by 12.11.2020. Opportunities were also offered to all to inspect the tariff application and to take copies thereof.

- 1.5 Objections to / comments on the aforementioned tariff petition of CESC Limited for the seventh control period were received by the Commission from (i) All Bengal Electricity Consumers' Association (ABECA) and (ii) Ganatantrik Nagarik Samity, Howrah within the stipulated time period.
- 1.6 The Commission, thereafter, in accordance with the provisions of the Act and Tariff Regulations, passed the tariff order dated 01.08.2022 in respect of CESC Limited in case no. TP – 96/20 – 21 determining the Aggregate Revenue Requirement (in short 'ARR') of CESC Limited for each year of the seventh control period, along with the tariffs of CESC Limited for the years 2020 – 21 and 2021 – 22. The objections and suggestions on the tariff petition of CESC Limited for the seventh control period along with the analysis and findings of the Commission has been recorded in the tariff order dated 01.08.2022. CESC Limited on receipt of the aforesaid tariff order of 2020 – 21 and 2021 – 22 submitted its gist for approval and the same was approved by the Commission and the approved gist of the tariff order dated 01.08.2022 for 2020 – 21 and 2021 – 22 was published in newspapers and on the website of CESC Limited on 20.08.2022.
- 1.7 The Commission now proceeds to determine the revenue recoverable through tariff by CESC Limited during the year 2022 – 23 as also the tariff of CESC Limited for 2022 – 23 on the basis of ARR determined for 2022 – 23 in the tariff order dated 01.08.2022 in case no TP – 96/20 – 21 after necessary adjustments in accordance with the Tariff Regulations as detailed in the subsequent chapter.



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CHAPTER -2 SUMMARISED STATEMENT OF AGGREGATE REVENUE REQUIREMENT & REVENUE RECOVERABLE THROUGH TARIFF FOR THE YEAR 2022 – 2023

2.1 As stated in the preceding chapter, the Commission determined the ARR of CESC Limited separately for each of the three years of the seventh control period consisting the years 2020 – 21, 2021 – 22 and 2022 – 23 in the tariff order dated 01.08.2022 in case no TP – 96/20 – 21 (hereinafter referred as 'the 7th MYT order') based on the analysis and findings recorded in that order. The Commission in the MYT order has determined the ARR amounting to **Rs. 710231.60 lakh** for the year 2022 – 23. Summarized statement of ARR for 2022 – 23 was given in Annexure - 6E to the 7th MYT order dated 01.08.2022.

2.2 Revenue from sale of power to other licensees:

CESC Limited in its 7th MYT petition proposed to sale power to other licensee WBSEDCL in the State, in addition to sale of power to its own consumers. CESC Limited in its petition proposed Rs. 523.20 lakh as revenue recovered from 8MU sale to WBSEDCL @Rs 6.54/kwh during the year 2022 – 23. The Commission considers the income from sale to other licensee WBSEDCL in the petition of CESC Limited for ARR determination but does not admit any tariff between the licensees by virtue of this order. The Commission further clarifies that the rate / price of power purchase or sale between two licensees are to be decided under the Power Purchase Agreement following the relevant provisions under the Electricity Act 2003 and not under Tariff determination process in terms of section 62 of the Act. However, to arrive at the revenue to be recovered from own consumers of CESC Limited, the Commission considers to adjust the proposed amount of **Rs. 523.20 lakh** as income of CESC Limited from sale of power to WBSEDCL.

2.3 **Adjustment of Regulatory Assets and other payables:**

2.3.1 The Commission in para 6.4.4 of the 7th MYT order considered adjustment of a total amount of Rs. 5923.72 lakh (Refundable amount of Rs 5295.48 lakh with the ARR for 2020 – 21 and recoverable amount of Rs 11219.20 lakh with the ARR for 2021 – 22) of regulatory assets created in APR orders for different years upto 2017 – 18 with the ARRs of 2020 – 21 & 2021 – 22 and decided to adjust the balance recoverable



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amount of **Rs. 10795.00** lakh pertaining to APR order of 2017 – 18 with the ARR of 2022 – 23 or subsequent order as tabulated below:

Description	Recovery /Refund in APR orders	Adjustment in 20 – 21	Adjustment in 21 – 22	Adjustment left for 22 – 23 onwards
(1)	(2)	(3)	(4)	(5)=(2)-(3)-(4)
1) Part adjustment of APR 13 -14	15274.00	15274.00		0.00
2) Adjustment for APR 14-15	-9697.00	-9697.00		0.00
3) Part adjustment for APR 15-16	-11880.25	-10872.48	-1007.77	0.00
4) Adjustment for APR 16-17	11326.94		11326.94	0.00
5) Part adjustment for APR 17-18	11695.03		900.03	10795.00
Total adjustment		-5295.48	11219.20	10795.00

The Commission now decides to adjust the balance recoverable amount of Rs. 10795.00 lakh with the ARR of 2022 – 23.

2.3.2 The Commission in the FPPCA & APR order of CESC Limited for the year 2018 – 19 in Case No. FPPCA – 95 / 19 - 20 and APR – 80 /19 - 20 dated 22.09.2023 has admitted recoverable amount of Rs. 65280.09 lakh and ordered in terms of regulation 2.6.6 of the Tariff Regulations that the entire recoverable amount of Rs. 65,280.09 lakh or a part thereof shall be adjusted with the amount of Aggregate Revenue Requirement for the year 2022 – 23 or that for any other ensuing year or through a separate order as may be decided by the Commission. Now, the Commission decides to adjust Rs. 12722.00 lakh, part of the recoverable amount of Rs. 65280.09 lakh admitted in APR & FPPCA for the year 2018 – 19, with the ARR of 2022 – 23 in terms of regulation 2.5.3(i) of the Tariff Regulations to avoid tariff shock. The balance amount of Rs. 52558.09 lakh (Rs. 65280.09 lakh – Rs. 12722.00 lakh) will be adjusted in subsequent tariff order or any subsequent order in terms of regulation 2.6.6 of the Tariff Regulations.

2.4 Considering the above adjustments, the total revenue recoverable from the consumers and the average tariff during the year 2022 – 23 are determined as below:



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Sl. No.	Particulars	Unit	Amount
1	ARR for 2022 - 23 as approved in the 7 th MYT order	Rs. lakh	710231.60
2	Less: Revenue from sale to licensees WBSEDCL	Rs. lakh	523.20
3	Adjustment of Regulatory Assets		
	(i) Balance APR adjustment of CESC for 2017-18	Rs. lakh	10795.00
	(ii) APR adjustment of CESC for 2018-19	Rs. lakh	12722.00
	Sub-total 3 [(i) + (ii)]	Rs. lakh	23517.00
4	Net Revenue Recoverable from consumers [(1 – 2 + 3)]	Rs. lakh	733225.40
5	Total sale to consumers (as admitted in the 7 th MYT order)	MU	10024.00
6	Average cost of supply	Paise/kWh	731.47



Tariff Order of CESC Limited for the year 2022 – 23

CHAPTER – 3 TARIFF ORDER FOR 2022 – 23

- 3.1 In the previous chapter, the Commission, in accordance with the Tariff Regulations, has determined for CESC Limited, the revenue recoverable through tariff and average tariff of consumers for the year 2022 – 23. The Commission now proceeds to determine the tariff schedule applicable to the consumers of CESC Limited and also the associated conditions of tariff of CESC Limited for 2022 – 23.
- 3.2 Tariff schedule and conditions of Tariff for consumers of CESC Limited during 2022 – 23:**
- 3.2.1 From the analysis made in previous chapter the average tariff for consumers in CESC Limited for 2022 – 23 remains same as that of the existing rate of tariff during 2021 – 22 after adjustment of regulatory assets. In view of this, the Commission proposes no change in the tariff schedule and other terms and conditions of tariff for the year 2022 – 23 from that of 2021 - 22. Accordingly, the Tariff schedule for 2022 – 23 is given in Annexure 3A1 for LV & MV consumers and at Annexure 3A2 for HV & EHV consumers.
- 3.2.2 All the rates and conditions of tariff mentioned in the paragraph 3.2.1 above are effective from 1st April 2022 and will continue till further order of the Commission.
- 3.2.3 There will be no separate MVCA from 01.04.2022 to date of issue of this order. Any variation between the revenue realised by CESC Limited (including MVCA) upto the month of issue of the order vis-à-vis the amount realizable as per the tariff schedule is subject to truing up during FPPCA and APR for the year as per provision of Tariff Regulation. However, CESC Limited afterwards shall compute the MVCA as per provisions of the Act, Rules and Regulations thereunder and shall realize /refund accordingly.
- 3.2.4 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 licensee has to ensure that, the rebate is applicable to the consumers who make their payments within due date.



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- 3.3 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 and / or dealt with in the earlier APR order dated 22.09.2023.
- 3.4 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' at the rate of 50 paise/kWh since 2021 - 22 for all consumers other than domestic consumers over and above the retail tariff to the consumer who intends to consume 100% of its consumption using green power for an uninterrupted period for at least six months. The 'Green Tariff' at the rate of 50 paisa/kWh shall also be continued for 2022-23 and onwards. However, from the next billing month of the date of issuance of this order Green Tariff shall be applicable 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.
- 3.5 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 2021 – 22 at Rs. 6.00 per unit during the peak hours (17:00 hrs to 23:00 hrs) and Rs. 5.50 per unit during the period other than peak hours. The Commission decides to continue with the same tariff during the year 2022 – 23.
- 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 3.4 above.
- 3.6 Parallel operation / grid support charge: Consumers having in-situ captive generating plant willing to synchronize its captive plant with CESC 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. This rate will be effective prospectively from the next billing month of the date of issuance of this order.
- 3.7 A special rebate of 50 paisa/kWh on energy charge shall be given prospectively from the next billing month of the date of issuance of this order to the juvenile home,



Tariff Order of CESC Limited for the year 2022 – 23

destitute home, orphanage, dispensaries, libraries and educational institutions run by non- profitable Charitable Organizations connected to L&MV level.

- 3.8 Tariff for Military Engineering Services (MES) under L&MV category shall be same as that of MES tariff in HV&EHV category.
- 3.9 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.
- 3.10 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 CESC Limited. If at all any such subsidy under the provisions of the Act is intimated to CESC Limited 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 CESC Limited 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.
- 3.11 CESC Limited 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.
- 3.12 CESC Limited shall present to the Commission a gist of this order in accordance with regulation 2.9.6 of the Tariff Regulations 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.

LOW AND MEDIUM VOLTAGE CONSUMERS

2022-23

SI No	Type of Consumer	Applicable Tariff Scheme					Optional Tariff Scheme										
							Optional Tariff Scheme – I					Optional Tariff Scheme – II					
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	
1.	Life Line Consumer (Domestic)	Rate G (LL)	Normal	0 to 25	407	5.00	Not Applicable					Not Applicable					
2.	Domestic (Urban)	Rate G	Normal	First	25	518	15	Rate G (p)	Prepaid	All Units	751	15	Not Applicable				
				Next	35	569											
				Next	40	670											
				Next	50	745											
				Next	50	762											
				Next	100	762											
3.	Commercial (Urban)	Rate M (i)	Normal	Above	300	921	24	Rate M (i) (TOD)	Normal TOD	06:00 hrs to 17:00 hrs	789	24	Rate M (i) (pTOD)	Prepaid - TOD	06:00 hrs to 17:00 hrs	764	24
				First	60	657									17:00 hrs to 23:00 hrs	838	
				Next	40	724											
				Next	50	793											
				Next	150	849											
				Above	300	926									23:00 hrs to 06:00 hrs	713	
4.	Short-term Supply	Rate STLT	Prepaid - TOD	06:00 hrs to 17:00 hrs	753	28	Not Applicable					Not Applicable					
				17:00 hrs to 23:00 hrs	825												
				23:00 hrs to 06:00 hrs	702												

LOW AND MEDIUM VOLTAGE CONSUMERS

2022-23

SI No	Type of Consumer	Applicable Tariff Scheme					Optional Tariff Scheme										
							Optional Tariff Scheme – I					Optional Tariff Scheme – II					
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon
5.	Specified Institution Municipal or Non-Municipal	Rate P	Normal	On all Units	663	28	Rate P(p)	Prepaid	On all Units	646	28	Rate P (pTOD)	Prepaid - TOD	06.00 hrs to 17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	644	28
														17.00 hrs to 20.00 hrs	All Units	706	
														23.00 hrs to 06.00 hrs	All Units	601	
6	Government School, Government aided School or Government Sponsored School	P1	Normal	On all Units	524	12	P1 (TOD)	Normal (TOD)	06.00 hrs to 17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	517	12	Not Applicable				
									17.00 hrs to 20.00 hrs	All Units	566						
									23.00 hrs to 06.00 hrs	All Units	502						
7	Public Bodies Municipal or Non-Municipal	Rate C1	Normal	On all Units	722	42	Rate C1(p)	Prepaid	On all Units	687	42	Rate C1(pTOD)	Prepaid - TOD	06.00 hrs to 17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	683	42
														17.00 hrs to 20.00 hrs	All Units	748	
														23.00 hrs to 06.00 hrs	All Units	637	

LOW AND MEDIUM VOLTAGE CONSUMERS

2022-23

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme														
								Optional Tariff Scheme – I					Optional Tariff Scheme – II									
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon				
8.	Cottage Industry / Artisan / Weavers / Small production oriented establishment not run by electricity as motive power	Rate M (ii)	Normal	First	100	582	24	Rate M (ii) (pTOD)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All Units	648	24	Not Applicable								
				Next	100	701				17.00 hrs to 23.00 hrs	All Units	710										
				Above	200	846				23.00 hrs to 06.00 hrs	All Units	605										
9.	Poultry, Duckery, Horticulture, Tissue culture, Floriculture, Herbal – Medicinal – Bio-diesel Plant Farming, Food Processing Unit	Rate M (iii)	Normal	First	300	706	24	Rate M (iii) (pTOD)	Prepaid - TOD	06.00 hrs to 17.00 hrs	All Units	701	24	Not Applicable								
				Next	300	772				17.00 hrs to 23.00 hrs	All Units	768										
				Next	400	807				23.00 hrs to 06.00 hrs	All Units	654										
				Above	1000	852																

LOW AND MEDIUM VOLTAGE CONSUMERS

2022-23

Sl No	Type of Consumer	Applicable Tariff Scheme					Optional Tariff Scheme										
							Optional Tariff Scheme – I					Optional Tariff Scheme – II					
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	
10.	Public Water Works & Sewerage System	Rate J	Normal	On all Units	687	42	Rate J (TOD)	Prepaid - TOD	06.00 hrs to 17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	667	42	Not Applicable				
									17.00 hrs to 20.00 hrs	All Units	986						
									23.00 hrs to 06.00 hrs	All Units	469						
11.	Industries (Urban)	Rate K	Normal	First	500	677	Rate K (TOD)	Normal - TOD	06.00 hrs to 17.00 hrs	All Units	789	50	Not Applicable				
				Next	1500	747			17.00 hrs to 23.00 hrs	All Units	1169						
				Next	1500	787			23.00 hrs to 06.00 hrs	All Units	553						
				Above	3500	807											
12.	Street Lighting	Rate C	Normal	On all Units	687	42	Not Applicable					Not Applicable					

LOW AND MEDIUM VOLTAGE CONSUMERS

2022-23

SI No	Type of Consumer	Applicable Tariff Scheme					Optional Tariff Scheme									
							Optional Tariff Scheme – I					Optional Tariff Scheme – II				
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon
13	Street Lighting with LED	Rate C2	Normal	On all Units	577	42	Not Applicable					Not Applicable				
14.	Private Educational Institutions and Hospitals	Rate L	Normal	On all Units	732	42	Rate L (TOD)	Normal - TOD	06.00 hrs to 17.00 hrs & 20.00 hrs to 23.00 hrs	All Units	717	42	Not Applicable			
									17.00 hrs to 20.00 hrs	All Units	786					
									23.00 hrs to 06.00 hrs	All Units	669					
15.	Emergency Supply	Rate E2	Prepaid - TOD	06.00 hrs to 17.00 hrs	On all Units	808	56	Not Applicable					Not Applicable			
				17.00 hrs to 23.00 hrs	On all Units	1198										
				23.00 hrs to 06.00 hrs	On all Units	567										

LOW AND MEDIUM VOLTAGE CONSUMERS

2022-23

Sl No	Type of Consumer	Applicable Tariff Scheme						Optional Tariff Scheme									
		Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH		Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	Optional Tariff Scheme – I					Optional Tariff Scheme – II				
								Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon	Consumer category	Name of the Tariff Scheme	Monthly consumption in KWH	Energy Charge P/kWh	Fixed Charge/ Demand Charge* in Rs./KVA/Mon
16.	Construction Power Supply	Rate LTCON	Prepaid - TOD	06.00 hrs to 17.00 hrs & 20.00 hrs to 23.00 hrs	On all Units	773	42	Not Applicable					Not Applicable				
				17.00 hrs to 20.00 hrs.	On all Units	1145											
				23.00 hrs to 06.00 hrs	On all Units	542											
17.	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 LTCOP	Normal	On all Units		707	42	Rate LTCOP (TOD)	Normal - TOD	06.00 hrs to 17.00 hrs	689	42	Not Applicable				
									17.00 hrs to 23.00 hrs	755							
									23.00 hrs to 06.00 hrs	643							
18.	Common Services of Industrial Estate	Rate S (TOD)	Prepaid - TOD	06.00 hrs to 17.00 hrs & 20.00 hrs to 23.00 hrs	On all Units	749	42	Not Applicable					Not Applicable				
				17.00 hrs to 20.00 hrs	On all Units	1109											
				23.00 hrs to 06.00 hrs	On all Units	526											

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

2022-23

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)
					P/kWh								P/kWh			
					Summer	Monsoon	Winter						Summer	Monsoon	Winter	
1.	Public Utility	Rate I	Normal	All Units	700	697	694	384	Rate I (TOD)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs-23.00 hrs	All Units	680	670	660	384
											17.00 hrs-20.00 hrs	All Units	1006	991	976	
											23.00 hrs-06.00 hrs	All Units	478	471	464	
2.	Industries (below 33 KV)	Rate A	Normal	All Units	681	678	676	384	Rate A (TOD)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	671	666	661	384
											17.00 hrs-23.00 hrs	All Units	992	985	977	
											23.00 hrs- 06.00 hrs	All Units	472	469	465	
3.	Industries (33 KV)	Rate A1	Normal	All Units	658	655	652	384	Rate A1 (TOD)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	651	646	641	384
											17.00 hrs-23.00 hrs	All Units	962	955	947	
											23.00 hrs-06.00 hrs	All Units	458	455	451	
4.	Commercial (below 33 KV)	Rate B	Normal	All Units	730	727	724	384	Rate B (TOD)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	718	715	712	384
											17.00 hrs-23.00 hrs	All Units	1063	1058	1054	
											23.00 hrs-06.00 hrs	All Units	504	502	500	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

2022-23

SI 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	Consumer category	Name of the Tariff Scheme	Consumption per month in KWH	Energy Charge			Demand Charge		
					P/kWh							(Rs./KVA/month)	P/kWh			(Rs./KVA/month)	
					Summer	Monsoon	Winter						Summer	Monsoon			Winter
5.	Commercial (33 KV)	Rate B1	Normal	All Units	681	678	675	384	Not Applicable								

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

2022-23

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)	
					P/kWh							P/kWh				
					Summer	Monsoon	Winter					Summer	Monsoon	Winter		
6.	Domestic	Rate R	Normal	All Units	742	739	736	26	Not Applicable							
7.	Public Water Works & Sewerage, Pumping Station under local Authority	Rate U	Normal	All Units	647	642	637	384	Rate U(TOD)	Normal - TOD	06.00 hrs-17.00 hrs & 20.00 hrs-23.00 hrs	All Units	637	627	617	384
											17.00 hrs-20.00 hrs	All Units	941	926	911	
											23.00 hrs-06.00 hrs	All Units	449	442	435	
8.	Sports Complex & Auditorium run by Govt./ local bodies for cultural affairs	Rate O	Normal	All Units	769	759	749	34	Not Applicable							
9.	Cold storage or Dairy with Chilling Plant	Rate CP	Normal	All Units	688	683	678	384	Rate CP (TOD)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	668	663	658	384
											17.00 hrs-23.00 hrs	All Units	988	980	973	
											23.00 hrs-06.00 hrs	All Units	470	466	463	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

2022-23

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)
						P/kWh								P/kWh			
						Summer	Monsoon	Winter						Summer	Monsoon	Winter	
10.	Emergency Supply	Rate E1	Normal TOD	06.00 hrs-17.00 hrs	All Units	777	767	757	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	1151	1136	1121									
				23.00 hrs-06.00 hrs	All Units	545	538	531									
11.	Construction Power Supply	Rate HTCon	Normal TOD	06.00 hrs-17.00 hrs & 20.00 hrs-23.00 hrs	All Units	703	698	693	384	Not Applicable							
				17.00 hrs-20.00 hrs	All Units	1040	1033	1025									
				23.00 hrs-06.00 hrs	All Units	494	491	487									
12.	Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises	Rate HTCOP	Normal	All Units	712	707	702	34	Rate HTCOP (TOD)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	687	682	677	34	
											17.00 hrs-23.00 hrs	All Units	753	747	742		
											23.00 hrs-06.00 hrs	All Units	641	636	632		

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

2022-23

SI 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)
						P/kWh								P/kWh			
						Summer	Monsoon	Winter						Summer	Monsoon	Winter	
13.	Common Services of Industrial Estate	Rate E	Normal TOD	06.00 hrs-17.00 hrs & 20.00 hrs-23.00 hrs	All Units	703	698	693	384	Not Applicable							
				17.00 hrs-20.00 hrs	All Units	1040	1033	1025									
				23.00 hrs-06.00 hrs	All Units	494	491	487									
14.	Traction/ Metro Rail / Calcutta Tramways	Rate T	Normal	All Units		722	717	712	105	Not Applicable							
15.	Short-term Supply	Rate ST	Normal TOD	06.00 hrs-17.00 hrs	All Units	671	666	661	384	Not Applicable							
				17.00 hrs-23.00 hrs	All Units	735	730	724									
				23.00 hrs-06.00 hrs	All Units	626	621	617									
16.	Private Educational Institutions	Rate E (ei)	Normal	All Units		693	683	673	384	Rate E (eit)	Normal - TOD	06.00 hrs-17.00 hrs	All Units	683	673	663	384
												17.00 hrs-23.00 hrs	All Units	748	737	726	
												23.00 hrs-06.00 hrs	All Units	637	628	619	

HIGH & EXTRA HIGH VOLTAGE CONSUMERS

2022-23

SI 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)
					P/kWh							P/kWh			
					Summer	Monsoon	Winter					Summer	Monsoon	Winter	
17	MES	Rate R-M	Normal	All Units	742	739	736	26	Not Applicable						

CHAPTER - 4

DETERMINATION OF WHEELING CHARGE

- 4.1 The Commission in this chapter takes up the matter relating to determination of the rate of distribution wheeling charges for the year 2022 – 23 in accordance with the principles, terms and conditions laid down in Schedule - 4 to the Tariff Regulations.
- 4.2 The distribution wheeling charges represents the charges for the use of distribution systems or associated facilities of a distribution licensee for wheeling of electricity through that facility and derived based on total distribution network cost, total unit saleable by the licensee to the consumers and total units wheeled for all open access customers in the network. CESC Limited in Form 1.9 (a) of its petition proposed no wheeling of energy during 2022 – 23. After prudent analysis of the amounts of ARR for the years 2022 – 23 in Annexure – 6D of the 7th MYT order dated 01.08.2022 and making such allocations, the gross amount of total fixed charges attributable to the distribution function including sale of CESC Limited to be considered for determining wheeling charges is found to be Rs. 266675.62 lakh. The provision for bad and doubtful debts as well as an amount towards interest payable to consumers on their security deposits and amount on account of cost of out sourcing relating to call centres for complaint management mechanism have not been considered in the above computation. The detailed head-wise break-up of the referred amount is given in Annexure – 4A to this order.
- 4.3 The gross amount of total fixed charges, i.e., Rs. 266675.62 lakh, as shown in Annexure – 4A, is the gross aggregate revenue requirement for distribution function. Paragraph 2.1 of Schedule – 4 to the Tariff Regulations provides for deduction of expenses incidental to selling and distribution of energy, non-tariff income and income from other business from the gross aggregate revenue requirement attributable to distribution function for ascertaining the wheeling charges payable by the open access customers. The deductible amount under different heads incidental to selling of energy based on allocation made by CESC Limited in their MYT Application and total cost admitted under that head for distribution function comes as under:

Tariff Order of CESC Limited for the year 2022 – 23

(Rs lakh)

Sl. No	Head of Charges	Expense relating to distribution including sales	Expense relating to sales
1	Employee Cost	88000.62	20325.90
2	O&M Expenses	48682.00	10910.10
3	Rates & taxes	406.00	92.80
4	Amphan, Covid19	0.00	0.00
5	Insurances	214.00	0.00
6	Financing Charges	685.00	462.46
7	Interest on capital expenditure	16743.00	774.20
8	Interest on Temporary Accommodation	0.00	0.00
9	Foreign Exchange Rate Variation	0.00	0.00
10	Lease rental	1197.00	59.00
11	Depreciation	37395.00	4369.44
12	Advance Depreciation	7932.00	926.52
13	Reserve for Unforeseen Exigencies	0.00	0.00
14	Intangible Assets written off	0.00	0.00
15	Tax on Income & profit	9729.00	0.00
16	Return on Equity	55692.00	2975.19
17	Gross Amount of Fixed charges	266675.62	40895.61

- 4.4 The amount of gross fixed charges attributable to distribution function also requires to be reduced by the non-tariff income and expense relating to and incidental to retail sales. Such deductible amount relating to and incidental to retail sales is found to be Rs. 40895.61 lakh for the year 2022 – 23.
- 4.5 Based on the foregoing analyses, the amount of fixed charges attributable to the distribution function of CESC Limited for the year 2022 – 23 for determination of rate of wheeling charges payable by the open access customers including the captive generating plants comes as under:

Computation of wheeling charges for the year 2022 – 23

Rs. in Lakh

Sl. No.	Particulars	2022 – 23
a)	Gross Amount of Fixed charges relating to distribution function including sale	266675.62
b)	Less:	



Tariff Order of CESC Limited for the year 2022 – 23

Sl. No.	Particulars	2022 – 23
	i) Expense relating to and incidental to retail sales	40895.61
	ii) Non Tariff Income	10737.00
	Total [(i) + ii)]	51632.61
c)	Net admissible amount of fixed charges relating to distribution wheeling	215043.01
d)	Estimated Sales to own consumers and WBSEDCL (MU)	10032.00
e)	Average Rate of recoverable wheeling charges (p/kwh)	214.36

4.6 With the estimated sales of 10032.00 MU for the year 2022 – 23 to own consumers and West Bengal State Electricity Distribution Company Limited admitted in Chapter-4 of the 7th MYT order dated 01.08.2022, the average rate of recoverable wheeling charges comes to **214.36 paise per unit (kWh)**.

4.7 The avoidable cost as computed in terms of the formula provided in regulation 14.3.10 of the West Bengal Electricity Regulatory Commission (Open Access) Regulations, 2007 in case of CESC Limited works out as under:

Avoidable cost excluding wheeling charge

Sl. No.	Particulars	2022 – 23
U)	Total Fuel and Power Purchase Cost in Rs lakh (vide Annexure-6E of the 7th MYT order dated 01.08.2022)	373141.71
V)	Quanta of energy pooled in the distribution system	
	i) Sent out from own generation (MU)	5793.36
	ii) Purchase of Energy (MU)	5959.27
	[para-4.7 of Chapter-4 of the 7th MYT order dated 01.08.2022]	
X)	Weighted average unit cost of pooled energy in paise / kwh [(U) / (V)]	317.50
Y)	Distribution loss allowed for the year (%)	14.30
Z)	Avoidable cost excluding wheeling charge in paise/kwh $[X / (100 - Y) \times 0.01]$	370.48



Tariff Order of CESC Limited for the year 2022 – 23

Avoidable Cost in paise / kwh for 2022-23 [Z + Wheeling Charge]	
370.48 paise / kWh	+ Wheeling charges per unit applicable to the relevant open access case.

- 4.8 The average rate of distribution wheeling charges of CESC Limited for the year 2022 – 2023 come to 214.36 paise per unit (kWh) as shown in this chapter and the same is recoverable from different categories of open access customers including captive generators for conveyance of electricity through its distribution system for long term open access. However, the consumer of the distribution licensee shall not be required to pay any wheeling charge for the part of energy he is drawing not as an open access customer.

Cross-Subsidy Surcharge

- 4.9 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.
- 4.10 Cross subsidy surcharge for the period 1 April, 2022 to 31 July, 2022 shall be computed in terms of the provisions contained in regulation 14.3.10 of the West Bengal Electricity Regulatory Commission (Open Access) Regulations, 2007, as amended. The avoidable cost for the concerned open access customers will be at the rate of 370.48 paise per kWh plus wheeling charges per unit as applicable to the relevant open access case as shown in this Chapter. CESC Limited will recover cross-subsidy surcharge from the open access customer with reference to the tariff applicable for similar category of consumer in accordance to the provision of the Act and regulation framed thereunder. The cross-subsidy surcharge will be the difference between the tariff applicable for the category of the consumers being allowed open access and the cost avoidable (per unit) by the licensee in this regard.
- 4.11 Cross subsidy surcharge with effect from 1 August, 2022 onwards till further order of the Commission, shall be computed in terms of clause (b) of regulation 18.2.4 of the



Tariff Order of CESC Limited for the year 2022 – 23

West Bengal Electricity Regulatory Commission (Open Access) Regulations, 2022, for any open access consumer 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.

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

- 4.12 In Chapter - 2 of this order the Commission has determined Average Cost of Supply for the year 2022 - 23 as 731.47 paisa/kwh. Now, the average tariff of each category of consumers (T) and applicable surcharge (S) are given in Annexure – 4B.

Per unit cost of amortizing regulatory asset (R) comes to 23 paisa/ kWh for the year 2022 – 23 as below:

Particulars	Unit	2022 - 23
Balance APR Adjustment of 2017 - 18	Rs lakh	10795
Part APR Adjustment for 2018 - 19		12722
Total Amount (A)		23517
Sale to Consumer (B)	in MU	10024
Per Unit cost of Regulatory Asset (R) = (A) x 10 / (B)	in paisa/ kWh	23

4.13 Additional surcharge:

Distribution licensee shall compute the additional surcharge in terms of the formula specified in the respective 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.



Tariff Order of CESC Limited for the year 2022 – 23

- 4.14 Other charges and losses applicable to the open access consumers will be same as specified in the respective Open Access Regulations.
- 4.15 The adjustments, if any, for over-recovery / under-recovery for the period from 01.04.2022 to 31.03.2023 shall be made in 5 (five) equal monthly instalments starting from the billing month of January, 2024.
- 4.16 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.
- 4.17 CESC Limited shall mention the applicable wheeling charges in the gist of their tariff order.



Tariff Order of CESC Limited for the year 2022 – 23

Annexure-4A

HEAD WISE BREAKUP OF THE AMOUNT OF NET FIXED CHARGES ATTRIBUTABLE TO DISTRIBUTION FUNCTION INCLUDING SALES FOR 2022 – 23

Sl. No	Head of Charges	Amount (Rs lakh)
1	Employee Cost	88000.62
2	O&M Expenses	48682.00
3	Rates & taxes	406.00
4	Service Tax & Entry Tax	0.00
5	Insurances	214.00
6	Financing Charges	685.00
7	Interest on capital expenditure	16743.00
8	Interest on Temporary Accommodation	0.00
9	Foreign Exchange Rate Variation	0.00
10	Lease rental	1197.00
11	Depreciation	37395.00
12	Advance Depreciation	7932.00
13	Reserve for Unforeseen Exigencies	0.00
14	Intangible Assets written off	0.00
15	Tax on Income & profit	9729.00
16	Return on Equity	55692.00
17	Gross Amount of Fixed charges	266675.62



Tariff Order of CESC Limited for the year 2022 – 23

ANNEXURE – 4B

AVERAGE TARIFF FOR CONSUMER CATEGORY AND APPLICABLE CROSS-SUBSIDY SURCHARGE

(p/kwh)

Consumer Category	Category-wise Average Tariff (T)	Average Cost of Supply (ACS)	Regulatory Component (R)	Cross Subsidy Surcharge (S) = (T) - (ACS) + (R)
Low and Medium Voltage Consumers				
Life Line Consumer (Domestic)	420	731	23	
Domestic (Urban)	687	731	23	
Commercial (Urban)	841	731	23	133
Specified Institution (Municipal or Non- Municipal)	669	731	23	
Government School, Government aided School or Government Sponsored School	525	731	23	
Public Bodies (Municipal or Non- Municipal)	736	731	23	28
Public Water Works & Sewerage System	703	731	23	
Industries (Urban)	767	731	23	59
Street Lighting	696	731	23	
Private Educational Institutions and Hospitals	744	731	23	36
Short-term Supply	770	731	23	62
EV Charging Stations	562	731	23	
High and Extra High Voltage Consumers				
Public Utility	779	731	23	71
Industries (below 33 KV)	734	731	23	26
Industries (33 KV)	696	731	23	



Tariff Order of CESC Limited for the year 2022 – 23

Consumer Category	Category-wise Average Tariff (T)	Average Cost of Supply (ACS)	Regulatory Component (R)	Cross Subsidy Surcharge (S) = (T) - (ACS) + (R)
Commercial (below 33 KV)	837	731	23	129
Commercial (33 KV)	697	731	23	
Domestic	726	731	23	18
Public Water Works & Sewerage, Pumping Station under local Authority	739	731	23	31
Sports Complex & Auditorium run by Govt./ local bodies for cultural affairs	778	731	23	70
Cold storage or Dairy with Chilling Plant	759	731	23	51
Construction Power Supply	851	731	23	143
Co-operative Group Housing Society for providing power to its members or person for providing power to its employees in a single premises	674	731	23	
Traction	716	731	23	8
Short-term Supply	807	731	23	99
Private Educational Institutions	843	731	23	135
MES	719	731	23	11

Sd/-
(PULAK KUMAR TEWARI)
MEMBER

Sd/-
(MALLELA VENKATESWARA RAO)
CHAIRPERSON

Dated: 11.12.2023

Sd/-
SECRETARY

West Bengal Electricity Regulatory Commission