

**CHHATTISGARH STATE ELECTRICITY REGULATORY COMMISSION
RAIPUR**



Chhattisgarh State Power Generation Co. Ltd.	...	P. No. 01/2022 (T)
Chhattisgarh State Power Transmission Co. Ltd	...	P. No. 02/2022 (T)
Chhattisgarh State Load Despatch Centre	...	P. No. 03/2022 (T)
Chhattisgarh State Power Distribution Co. Ltd.	...	P. No. 75/2021 (T)

**Present: Hemant Verma, Chairman
Vinod Deshmukh, Member (Judicial)
Pramod Kumar Gupta, Member**

In the matter of –

1. Chhattisgarh State Power Generation Company Ltd. (CSPGCL) Petition for final true-up for FY 2020-21 and determination of ARR and Tariff for the Control Period from FY 2022-23 to FY 2024-25;
2. Chhattisgarh State Power Transmission Company Ltd. (CSPTCL) Petition for final true-up for FY 2020-21 and determination of ARR and Tariff for the Control Period from FY 2022-23 to FY 2024-25;
3. Chhattisgarh State Load Despatch Centre (CSLDC) Petition for final true-up for FY 2020-21 and determination of ARR and Charges for the Control Period from FY 2022-23 to FY 2024-25;
4. Chhattisgarh State Power Distribution Company Ltd. (CSPDCL) Petition for final true-up for FY 2020-21, and determination of ARR and Tariff for the Control Period from FY 2022-23 to FY 2024-25.

ORDER

(Passed on 13/04/2022)

1. As per provisions of the Electricity Act, 2003 (hereinafter referred as 'the Act') and the Tariff Policy, the Commission has notified the Chhattisgarh State Electricity

Regulatory Commission (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2021 (hereinafter referred as 'CSERC MYT Regulations, 2021') for determination of tariff for the Generating Company, Licensees, and CSLDC.

2. The Commission had notified the Chhattisgarh State Electricity Regulatory Commission (Terms and Conditions for determination of tariff according to Multi-Year Tariff principles and Methodology and Procedure for determination of Expected revenue from Tariff and Charges) Regulations, 2015 (hereinafter referred as 'CSERC MYT Regulations, 2015') for determination of tariff for the Generating Company, Licensees, and CSLDC, which is applicable for truing up for FY 2020-21 for the Generating Company, Licensees, and CSLDC.
3. This Order is passed in respect of the Petitions filed by the (i) Chhattisgarh State Power Generation Company Ltd. (CSPGCL) for approval of final true-up for FY 2020-21 and determination of ARR and Tariff for the Control Period from FY 2022-23 to FY 2024-25, (ii) Chhattisgarh State Power Transmission Company Ltd. (CSPTCL) for approval of final true-up for FY 2020-21 and determination of ARR and Tariff for the Control Period from FY 2022-23 to FY 2024-25, (iii) Chhattisgarh State Load Despatch Centre (CSLDC) for approval of final true-up for FY 2020-21 and determination of ARR and Charges for the Control Period from FY 2022-23 to FY 2024-25, (iv) Chhattisgarh State Power Distribution Company Limited (CSPDCL) for final true-up for FY 2020-21, and determination of ARR for the Control Period from FY 2022-23 to FY 2024-25 and Tariff for FY 2022-23.
4. This Order is passed under the provisions of Section 32(3) and Section 62 read with Section 86(1) of the Act. The Commission, before passing the combined Order on the above Petitions, has considered the documents filed along with the Petitions, supplementary information obtained after technical validation, suggestions emerging from the applicant Companies, the consumers, their representatives and other stakeholders during the Public Hearing.
5. The Petitions were made available on the Commission's website. The Petitions were also available at the offices of the Petitioners. A Public Notice along with the gist of the Petitions was also published in the newspapers, and objections/suggestions were

invited as per the procedure laid down in the Regulations. The Commission also held a meeting with Members of the State Advisory Committee on February 23, 2022 for seeking their valuable suggestions and comments. Further, the Commission conducted Public Hearings in physical as well as video conferencing mode on the Petitions in its office at Raipur on 24th and 25th February 2022.

6. The Commission has undertaken final true-up for FY 2020-21 for CSPTCL, CSLDC, CSPGCL and CSPDCL, based on the audited accounts submitted by the Utilities and in accordance with the provisions of the CSERC MYT Regulations, 2015.
7. In the Multi-Year Tariff (MYT) Order passed on March 31, 2016, the Commission had approved the ARR and Tariff for the Control Period from FY 2016-17 to FY 2020-21 for the utilities, in accordance with the provisions of the CSERC MYT Regulations, 2015. Further, the Commission passed the Tariff Order for FY 2020-21 on May 30, 2020 and for FY 2021-22 on August 02, 2021.
8. The Revenue Gap/(Surplus) of CSPGCL, CSPTCL and CSLDC arising out of final true-up for FY 2020-21, along with corresponding carrying/holding cost, have been considered, along with the impact of the Review filed by CSPDCL on the Tariff Order for FY 2021-22, while computing the cumulative Revenue Gap/(Surplus) to be allowed for CSPDCL for FY 2022-23.
9. After applying the carrying cost on Revenue Gap of CSPGCL for FY 2020-21, the total Revenue Gap up to FY 2022-23 has been approved as Rs. 246.21 Crore, as claimed by CSPGCL.
10. After applying the holding cost on the Revenue Surplus of CSPTCL for FY 2020-21, the total Revenue Surplus up to FY 2022-23 has been approved as Rs. 95.52 Crore, as against the claim of CSPTCL for Revenue Gap of Rs. 35.71 Crore. Similarly, after applying the holding cost on the Revenue Surplus of CSLDC for FY 2020-21, the total Revenue Surplus up to FY 2022-23 has been approved as Rs. 3.46 Crore, as against the claim of CSLDC for Revenue Surplus of Rs. 3.34 Crore.
11. The cumulative Revenue Gap of CSPDCL after applying the carrying cost for FY 2020-21 up to FY 2022-23 is approved as Rs. 1,688.05 Crore, as against Rs. 4367.73 Crore sought by CSPDCL. The cumulative Revenue Gap/(Surplus) of CSPGCL, CSPTCL, and CSLDC for FY 2020-21 along with carrying/holding cost amounting to

Rs. 147.23 Crore, as against the claim of Rs. 278.58 Crore by the Companies, has been considered in the ARR of CSPDCL for FY 2022-23.

12. The Commission has approved the capitalisation for the MYT Control Period based on the Capital Investment Plan (CIP) considered for the MYT Control Period.

CSPGCL: Tariff for FY 2022-23

13. The Commission has approved cumulative Revenue Gap of Rs. 246.21 Crore up to FY 2022-23 for CSPGCL, which shall be separately billed by CSPGCL on a monthly basis, at the rate of Rs. 20.52 Crore per month.
14. The Annual Fixed Cost (AFC) and Energy Charge Rate for CSPGCL stations, approved by the Commission for the Control Period, are as under:

Thermal Power Stations

Table: Approved Annual Fixed Cost (Rs. Crore)

Sl. No.	Particulars	FY 2022-23	FY 2023-24	FY 2024-25
1	HPS	663.30	672.77	694.59
2	DSPM	425.83	434.35	443.60
3	KWTPP	596.69	580.90	563.23
4	ABVTPP	1435.34	1394.41	1353.36

Table: Approved Contribution to Pension and Gratuity (Rs. Crore)

Sl. No.	Particulars	FY 2022-23	FY 2023-24	FY 2024-25
1	HPS	137.75	150.74	162.10
2	DSPM	51.11	55.93	60.14
3	KWTPP	30.59	33.48	36.00
4	ABVTPP	83.66	91.55	98.45

Table: Approved Energy Charge Rate (Rs./kWh)

Sl. No.	Particulars	FY 2022-23	FY 2023-24	FY 2024-25
1	HPS	1.574	1.574	1.574
2	DSPM	1.688	1.688	1.688
3	KWTPP	1.339	1.339	1.339
4	ABVTPP	1.838	1.838	1.823

Hydro Power Station (Hasdeo Bango)

Sl. No.	Particulars	FY 2022-23	FY 2023-24	FY 2024-25
1	Approved AFC (Rs. Crore)	22.87	24.68	26.77
2	Approved Net Generation (MU)	270.71	270.71	270.71
3	Approved Tariff for Hasdeo Bango	0.845	0.912	0.989
4	Contribution to P&G	4.36	4.77	5.13

The Contribution to Pension & Gratuity approved by the Commission shall be separately billed by CSPCGL on a monthly basis.

15. In this Order, the Commission has determined the Input Price of coal from Gare Palma -III mines for ABVTTP for the first time, for the Control Period from FY 2022-23 to FY 2024-25, as given in the following Table:

Approved Input Price of Coal from GP-II mines for the Control Period (Rs. Crore)

Particulars	Unit	FY 2022-23	FY 2023-24	FY 2024-25
Total Price/MT	Rs./MT	1510.90	1511.05	1488.99

CSPTCL: Tariff for FY 2022-23

16. For CSPTCL, the Transmission Charge for FY 2022-23 shall be as under:

Sl.	Particulars	Units	FY 2022-23
A	ARR for CSPTCL (including contribution to pension and gratuity)	Rs. Crore	1102.55
B	<i>Less:</i> past year cumulative Revenue Surplus	Rs. Crore	95.52
C	Net Approved ARR (A-B)	Rs. Crore	1007.03
D	Monthly Transmission Charges for Medium-term and Long-term Open Access Consumers (C/12)	Rs. Crore/month	83.92
5	Short-term Open Access Charges	Rs./kWh	0.3367

Further, transmission losses of 3% for the energy scheduled for transmission at the point or points of injection shall be recoverable from Open Access customers.

CSLDC: Charges for FY 2022-23

17. For CSLDC, the Charges for FY 2022-23 shall be as under:

Sr. No.	Particulars	Petition	Approved
1	ARR for FY 2022-23	18.93	18.09
2	Adjustment of Surplus of FY 2020-21 with carrying cost up to FY 2022-23	3.34	3.46
3	Adjusted ARR for FY 2022-23	15.58	14.63
4	System Operation Charges	12.47	11.71
5	Intra-State Market Operation Charges	3.12	2.93
6	Total SLDC Charges	15.58	14.63

CSPDCL: Tariff for FY 2022-23

18. For FY 2022-23, CSPDCL has sought approval for ARR of Rs. 14,969.03 Crore. As against this, the Commission, after prudence check and due scrutiny, has approved the ARR at Rs. 15,280.57 Crore. The State Government subsidy has not been taken into account while approving the ARR of CSPDCL for FY 2022-23. After considering the ARR and revenue from sale of electricity for FY 2022-23, the stand-alone Revenue Surplus for FY 2022-23 has been estimated as Rs. 1,448.95 Crore, as against the stand-alone Revenue Surplus of Rs. 3,642.72 Crore projected by CSPDCL for FY 2022-23.
19. CSPDCL, in its Petition for FY 2022-23, has sought approval for cumulative Revenue Gap of Rs. 4,367.73 Crore pertaining to previous years, along with the carrying cost. As against this, the Commission, after prudence check and due scrutiny, has arrived at a cumulative Revenue Gap of Rs. 1,688.05 Crore for FY 2022-23, for CSPDCL.
20. Accordingly, the net ARR for recovery through tariff for FY 2022-23 has been approved as Rs. 17,115.85 Crore for CSPDCL, as against the net ARR of Rs. 19,336.76 Crore sought by CSPDCL. The net ARR effectively claimed by CSPDCL for FY 2022-23 amounted to Rs. 19,615.34 Crore, after adding the Revenue Gap/(Surplus) as claimed by CSPGCL, CSPTCL, and CSLDC in their respective Petitions. The adjusted Average Cost of Supply (ACoS) approved for FY 2021-22

was Rs. 6.41/kWh. The ACoS has been approved as Rs. 6.22/kWh for FY 2022-23, compared to the effective ACoS of Rs. 6.85/kWh claimed by CSPDCL in its Petition for FY 2022-23.

21. The effective Revenue Gap sought by CSPDCL, after considering the Revenue Gap/(Surplus) as claimed by CSPGCL, CSPTCL, and CSLDC in their respective Petitions, amounted to Rs. 1003.59 Crore. Against this, the Commission has arrived at cumulative Revenue Gap of Rs. 386.33 Crore for CSPDCL for FY 2022-23, after adjusting the Revenue Gap/(Surplus) after true-up of CSPDCL, CSPGCL, CSPTCL and CSLDC for FY 2020-21.
22. The primary objective of the Commission is to protect the interest of the consumer and at the same time ensuring recovery of reasonable and justified cost by the utilities. The Commission in the previous Orders as well as this Order has taken various steps to protect public interest and provided relief to the consumers and Utilities in the State of Chhattisgarh.
23. In order to recover the cumulative Revenue Gap of Rs. 386.33 Crore, the Commission has approved increase in the category-wise Tariff for FY 2022-23.
24. In its Petition, CSPDCL had requested for uniform tariff hike in energy charges across all consumer categories to meet the approved Revenue Gap. The average tariff increase effectively claimed by CSPDCL was 5.39% to meet the Revenue Gap claimed by the Companies, which translates to 35 paise/kWh. The Average Billing Rate (ABR) estimated by the Commission at the existing tariff for FY 2022-23 is Rs. 6.08/kWh. Hence, the Commission has approved average tariff increase across all consumer categories of 2.31%, which translates to 14 paise/kWh, with the adjusted ACoS of Rs. 6.22/kWh.
25. The Commission has increased the Energy Charges across different categories/slabs from 5 paise/kWh to 15 paise/kWh, with no change being made in the Fixed/Demand Charges. The Commission has revised the category-wise tariffs in such a manner that the cross-subsidies are reduced and are brought within $\pm 20\%$ of ACoS as stipulated in the Tariff Policy, 2016, to the extent possible.
26. The tariff increase approved for different categories is quite nominal and far lesser than the prevalent inflation indices. The Commission has also given certain directions

to CSPDCL for improving its operational efficiency including its metering, billing and collection efficiency.

27. As regards rationalisation of tariff categories and category-wise tariff, the Commission has made the following changes in this Order as compared to the tariff categories approved in the previous Tariff Order:
- a) The term “Connected Load” has been replaced with the more appropriate term “Sanctioned Load” in the Tariff Schedule.
 - b) It has been clarified that Dharamshalas and working women’s hostels run by Charitable Trust, as well as Government student hostels, are included in LV-1 Domestic Category.
 - c) It has been clarified that only gymnasium and clubhouses within the housing society as well as farm houses for own use are included in LV-1 Domestic Category.
 - d) In the LV-3 Agriculture category, the Commission has accepted CSPDCL’s request and incorporated the clause that consumers opting for flat rate billing under KJJY scheme shall pay Rs. 100/HP/month as flat rate charges, in addition to fixed charges on billing demand plus energy charges on consumption payable by State Government under KJJY scheme up to the applicable ceiling limit of 6000/7500 units annual consumption.
 - e) The State Government, under the 'Bespoke Policy' aims to promote Textile, Jute, and ethanol industries. In light of this, and with the view to rationalise the tariff for these industries, a discount of 25% on Energy Charges has been provided for Textile industries including handlooms and powerlooms, Jute industries, and ethanol industries categories under HV-3 category.
 - f) A discount of 5% on Energy Charges shall be applicable for Poha and Murmura mills under LV-5 category.
 - g) The minimum Billing Demand for the relevant LV categories and all HV categories has been increased from 75% to 80%, for facilitating effective load management.
 - h) The Load Factor rebate on Energy Charges for Indian Railways has been reduced from 30% to 20%.

- i) The Load Factor rebate for HV-4 Steel category has also been made applicable to consumers having captive generating facility with installed capacity above 1 MW.
28. The approved Tariff Schedule applicable is appended herewith as **Schedule**.
29. The Order will be applicable from 1st April, 2022 and will remain in force till March 31, 2023 or till the issue of the next Tariff Order, whichever is later.
30. The Commission directs the Companies to take appropriate steps to implement the Tariff Order.

Sd/-
(PRAMOD KUMAR GUPTA)
MEMBER

Sd/-
(VINOD DESHMUKH)
MEMBER (JUDICIAL)

Sd/-
(HEMANT VERMA)
CHAIRMAN