



CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LIMITED

(A Government of Chhattisgarh Undertaking) (A Successor Company of CSEB)

CIN U40108CT2003SGC015822

OFFICE OF EXECUTIVE DIRECTOR (RA&PM), CSPDCL, Raipur

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No. 02-02/RAC-1/EE/1/ 2626

Raipur, Date: 03/02/2023

To,

✓ The Secretary,

Chhattisgarh State Electricity Regulatory Commission,

Irrigation Colony, Shanti Nagar,

Raipur, Chhattisgarh - 492 001

Sub: Submission of additional information in respect of Tariff petition no. 95/2022 as per the discussion held during TVS.

Ref: Your Letter No. P. No. 95 of 2022/2023/156, Raipur, Dated 30.01.2023.

Please find enclosed the point wise information required against the aforesaid letters issued by the Hon'ble Commission in respect of Tariff petition no. 95/2022 for true-up of FY 2021-22, approval of revised ARR for FY 2023-24 and determination of retail Tariff for FY 2023-24.

Thanking You,

Encl.: As above

Yours Faithfully,

Executive Director (RA&PM)

CSPDCL : Raipur

Queries after TVS held on 25.01.2023

Information required from CSPDCL for Truing up for FY 2021-22, approval of revised ARR for FY 2023-24 and Determination of Retail Tariff for FY 2023-24

Part A- General

Query No.2: CSPDCL has submitted revised ARR for FY 2023-24 by revising all components of the ARR, though the CERC MYT Regulations, 2021 provide for revision of ARR only on account of revision in sales projections and power purchase expenses. CSPDCL to justify the same given the CSERC approach in earlier years when the provisions were the same in earlier Regulations also.

Query

CSPDCL to re-submit proper reply to this Query.

CSPDCL Response

CSPDCL would like to submit that they had filed an additional Capital Investment Plan Petition which was not envisaged at the Capital Investment Plan filed at the time of MYT Petition. CSPDCL further submits that due to the additional CIP petition filed, the same shall impact the capitalization of the CSPDCL during the ensuing years and the same shall impact the other components of ARR. Therefore, CSPDCL has submitted the revised proposal revising all the components of ARR.

Part C- Truing-Up for FY 2021-22

Query No.10: CSPDCL should submit the category-wise and consumption slab-wise actual revenue from fixed/demand charges and energy charges for all LT consumers and HT consumers for FY 2021-22.

Query

- a) CSPDCL to submit the summary of above as per the Commission approved categories and consumption slabs, in the same format as submitted in previous years.
- b) CSPDCL to also submit the category-wise Average Billing Rate (ABR) including revenue from VCA and excluding revenue from VCA.



CSPDCL Response

- a). CSPDCL would like to submit that the summary of category-wise and consumption slab-wise actual revenue from fixed/demand charges and energy charges for all LT consumers and HT consumers as approved by the Commission and in the format as submitted in the previous year is attached as **Annexure P1**.
- b). CSPDCL submits that the category wise Average Billing rate including revenue from VCA and excluding revenue from VCA is attached as **Annexure P1**.

Query No.13: CSPDCL should submit the slab-wise details of agriculture consumers for FY 2021-22 in the following format:

Consumer Category	Number of consumers	Units Sold (MU)	Energy Charge Billed (Rs. Crore)	Average Actual Energy Charge (Rs/kWh)	Approved Energy Charge (Rs/kWh)	Difference between Approved & Actual Energy Charge (Rs/kWh)	Justification for difference in Energy Charge
A-Metered KJJY							
B-Flat rate KJJY							
General/Other Pump Consumer							
Temporary Category							
Total							

Query

CSPDCL to submit the reply at the earliest as this information is available in the R-15 and at Head Office, and does not have to be collected from the field offices.

CSPDCL Response:

CSPDCL submits the slab-wise details of agriculture consumers for FY 2021-22 as per the format provided by the Hon'ble Commission is shown as under:

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Consumer Category	MONTH	No. of Consumers	Unit Sold (MU)	Energy Charge Billed (Rs. Crore)	Average Actual Energy Charge (Rs./kWh)	Approved Energy Charge (Rs./kWh)	Difference between Approved & Actual Energy Charge (Rs./kWh)	Justification for difference in Energy Charge
1	2	3	4	5	6	7	8	9
A - METERED KJY	4 MONTH	143356	274.01	119.71	4.37	4.4	-0.03	
	8 MONTH	148613	635.83	297.50	4.68	4.9	-0.22	
	YEAR	148613	909.84	417.21	4.59			
B - FLAT RATE KJY	4 MONTH	177873	605.79	194.36	3.21	4.4	-1.19	
	8 MONTH	186225	1226.10	446.52	3.64	4.9	-1.26	
	YEAR	186225	1831.89	640.88	3.50			
GENERAL / OTHER PUMP CONSUMERS	4 MONTH	147340	648.96	285.26	4.40	4.4	0.00	
	8 MONTH	154826	1429.61	697.84	4.88	4.9	-0.02	
	YEAR	154826	2078.57	983.11	4.73			
TEMPORARY CATEGORY	4 MONTH	114115	332.49	121.51	3.65	4.4	-0.75	
	8 MONTH	124467	681.81	273.93	4.02	4.9	-0.88	
	YEAR	124467	1014.30	395.44	3.90			
TOTAL	4 MONTH	582684	1861.24	720.85	3.87	4.4	-0.53	
	8 MONTH	614131	3973.35	1715.78	4.32	4.9	-0.58	
	YEAR	614131	5834.59	2436.64	4.18			

- * During the FY 2021-22 for 4 month approved Energy Charge as per tariff order FY 2020-21 and for balance 8 month approved Energy Charge as per the tariff order FY 2021-22. The difference between actual Energy Charge and approved Energy Charge is due to Flat Rate Scheme of agriculture pump declared by State Government.

Query No.14: CSPDCL should submit the actual category-wise Average Billing Rate (ABR) during FY 2021-22 and comparison with the approved category-wise ABR for FY 2021-22, with explanation for the difference in category-wise ABR.

Query

CSPDCL to justify why the actual ABR of Agriculture category is lower at Rs. 4.83/kWh as compared to the approved ABR of Rs. 5.35/kWh.

Not

CSPDCL Response:

CSPDCL submits that difference between actual ABR and approved ABR is due to Flat Rate Scheme of agriculture pump declared by State Government.

Query No.17: CSPDCL should submit the category-wise and consumption slab-wise actual energy consumption and revenue billed as per Time-of-Day Tariff time slots during FY 2021-22.

Query

CSPDCL should submit the summary of category-wise ToD sales and revenue as discussed during the TVS.

CSPDCL Response:

CSPDCL submits the summary of category wise ToD Sales and revenue attached as Annexure P2.

Query No.24: CSPDCL should submit the Break-up of Power Purchase expenses for FY 2021-22, in the same Format as submitted for FY 2019-20 in Table III of Chapter 5 - Review Application filed along with the Petition for FY 2022-23, with additional information of source-wise quantum and rate.

Query

CSPDCL should provide the details of any provisions or adjustments of past provisions made in previous years under 'Others'.

CSPDCL Response:

CSPDCL submits that a provision of Rs. 115.12 Crore was made against advance power banking however, the same is not considered under the power purchase cost claimed by the Petitioner.

Query No.25: In the Tariff Order dated 13th April 2022, the Commission had directed CSPDCL to ensure that all expenses towards return of banked power be fulfilled by utilising the funds provisioned against Banked Power or any such similar name/purpose till date, and ensure that such expenses are not claimed separately, till such time as the entire provisioning is exhausted. CSPDCL to confirm that:

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- a. No expense against banked power has been claimed in the true-up for FY 2021-22.
- b. Balance provisioning of expenses against banked power.
- c. Only actual expenses incurred for the banking return, once the amount of provisioning made till date is exhausted, has been claimed, in case the same has been claimed.
- d. submit a complete passbook of forward banking and return banking showing all transactions in energy terms till date, including the amount of expense provisioning done, expense provisioning set off till date, and balance provisioning available for future set-off, if any.

Query

- a) As regards CSPDCL's reply to Query (a), CSPDCL should confirm whether Income of Rs 115.12 Crore has been included in Non-Tariff Income in FY 2021-22.
- b) As regards CSPDCL's reply to Query (c), CSPDCL has stated that "As the provision made for banking power is reversed in next financial year. Only actual expenses made is recorded in the books of accounts. Thus, the impact of provision made in previous year is automatically adjusted in the next financial year." However, this statement is contradictory to CSPDCL's own statements that no Provisioning is included in the Petition, and Commission's directions that no Provisioning should be included in the Petition. CSPDCL should reconfirm whether any provisioning is included in the Petition.

CSPDCL Response:

- a) CSPDCL confirms that the income of Rs. 115.12 Crore is not included in Non-Tariff Income in FY 2021-22.
- b) CSPDCL reconfirms that no provisioning of any type is included in the calculation of ARR.

Query No.27: With reference to Table 7, CSPDCL should submit the following details:

- a. Details of 'Others' under CGS, amounting to 279 Crore.
- b. Source-wise quantum and rate of power purchase from 'Concessional Power through CSPTrdCL'.
- c. Details of UI Injection and UI Drawal and Net UI – quantum and cost
- d. Clarify whether State DSM included in Net UI or under CSPGCL power purchase cost
- e. Details of RRAS Settlement of Rs. 19.03 Crore

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- f. Clarify whether any provisioning for any expenses is included in any of the heads claimed in this Table
- g. Reconcile the gross power purchase expenses of Rs. 16,112.50 Crore (Sl. 13) with the amount reported in the Audited Accounts (Rs. 16,246 Crore – Note 23 of Accounts).

Query

As regards CSPDCL's reply to Query (f), CSPDCL to reconfirm that no provisioning has been made in any of the expenses claimed in the said table.

CSPDCL Response:

CSPDCL reconfirms that no provisioning has been made in any of the expenses claimed in the said table.

Query No.28: CSPDCL should submit the details of the competitive bidding undertaken for Bilateral purchase transactions during FY 2021-22.

Query

CSPDCL should confirm whether any power has been purchased from bilateral sources.

CSPDCL Response:

CSPDCL confirms that no power has been purchased from Bilateral sources and hence no competitive bidding was conducted during the year.

Query No.32: In the Tariff Order dated 13th April 2022, the Commission had directed CSPDCL to ensure that all past shortfall w.r.t. RPO target be fulfilled by utilising the funds provisioned under "RPO Obligation" or any such similar name/purpose till date and ensure that such expenses towards meeting RPO obligations not be claimed separately, till such time as the entire provisioning amount is exhausted. CSPDCL to confirm that:

- a. No expense against provisioning for RE power or RPO has been claimed in the true-up for FY 2021-22
- b. Balance provisioning of expenses against RE power/RPO.
- c. Only actual expenses incurred for purchase of RE power, once the amount of provisioning made till date is exhausted, has been claimed, in case the same has been claimed.

Query

As regards CSPDCL's reply to Query (b), CSPDCL to confirm that

- a) Provisioning for RE power/RPO has commenced from FY 2016-17 only
- b) An amount of Rs. 123 Crore provided for in FY 2016-17 and FY 2017-18 yet to be adjusted.

CSPDCL Response:

- a) Yes, the provisioning of RE Power / RPO has commenced from FY 2016-17 only.
- b) Yes, the amount of Rs. 123 Crore provided for RPO in FY 2016-17 and FY 2017-18 is yet to be adjusted.

Petition for FY 2023-24

Energy Sales, Energy Balance and Revenue

Query No.42: CSPDCL should submit the category-wise and consumption slab-wise actual sales and revenue from fixed/demand charges and energy charges for all LT consumers and HT consumers for FY 2022-23 (April 2022 to November 2022).

Query

- a) CSPDCL to submit the summary of above as per the Commission approved categories and consumption slabs, in the same format as submitted in previous years.
- b) CSPDCL to also submit the category-wise Average Billing Rate (ABR) including revenue from VCA and excluding revenue from VCA.

CSPDCL Response

- a) CSPDCL would like to submit that the summary of category-wise and consumption slab-wise actual revenue from fixed/demand charges and energy charges for all LT consumers and HT consumers as approved by the Commission and in the format as submitted in the previous year is attached as **Annexure P1**.
- b) CSPDCL submits that the category wise Average Billing rate including revenue from VCA and excluding revenue from VCA is attached as **Annexure P1**.

Query No.48: CSPDCL should provide the basis for reducing 10% of the VCA for projecting the cost of power purchase from CSPGCL for FY 2023-24.

Not

There is tremendous confusion in CSPDCL's reply in this regard.

In the Petition, as regards CSPGCL stations, it is stated that "CSPDCL while projecting energy charges for FY 2023-24 has considered actual energy charges approved by the Commission vide Order dated 13.04.2022 for FY 2023-24 after reducing 10% of the Variable cost adjustment (VCA) estimated on the basis of actual variable cost adjustment made during FY 2021-22".

In its Reply, CSPDCL has stated that "CSPDCL humbly submits that the actual power purchase cost consists of variable charges also and based on the previous data for most of the generating stations of the state there is ~10% of the VCA has been included in the power purchase cost and therefore the same has been considered here."

During the TVS, CSPDCL submitted that:

- i. For CSPGCL, the ECR approved by the Commission for FY 2023-24 has been considered, after reducing 10% towards VCA as observed in FY 2021-22.
- ii. The rate of power purchase from other sources has been considered equal to the actual rate observed in FY 2021-22.

Query

- a) CSPDCL to confirm the actual basis used for projection of power purchase cost for FY 2023-24 and the reasonability of such assumptions.
- b) CSPDCL to submit the projections of power purchase cost without considering the 10% reduction for CSPGCL and considering the actual rates of power purchase in FY 2022-23 (8 months) for other sources.

CSPDCL Response:

- a) CSPDCL would like to submit that while projecting the energy charges for FY 2022-23 it has considered the actual energy charges for CSPGCL for FY 2021-22 which were inclusive of VCA. Hence CSPDCL has excluded the VCA portion from energy charges as such the VCA in the current year FY 2022-23 is negative.
- b) The power purchase projections without considering the 10% reduction for CSPGCL and considering the actual rates of power purchase in FY 2022-23 (8 months) for other sources is attached as Annexure P3.

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Query No.50: CSPDCL has not considered energy to be generated from Biomass based power plant for fulfilment of its RPO compliance during FY 2023-24. However, it will have to pay fixed charges to generators. CSPDCL should

- submit detailed analysis of fixed charges payable and its impact on power purchase cost.
- Submit details of all biomass plants comprising capacity in MW, capacity charges, and energy charges.
- In the Tariff Order for FY 2022-23 dated 13th April 2022, the Commission had considered purchase from biomass sources also. CSPDCL should clarify whether it has purchased power from biomass sources in FY 2022-23 or it has paid the fixed charges, without actually purchasing power, and the computation of savings, if any, by such a measure.

Query

CSPDCL has already submitted the reply to Query (c) above in Annexure P19 R-4, and the information is not required to be collected from field offices. CSPDCL should submit the desired details and analysis sought in Query (a) and (b) above.

CSPDCL Response

CSPDCL would like to submit that impact of fixed charges payable to Biomass generators during each year of control period is given in the table below. These projections have been carried on the basis of actual expenditure for FY 2022-23 (Apr- Nov)

S No.	Year	Projected Purchase Units (MU)	Fixed Charge (Rs. /kWh)	Energy Charge (Rs. / kWh)	Impact of Fixed Cost (Rs. Cr)	Impact of Energy Charge (Rs. Cr)	Total Impact (Rs. Cr)
1	2023-24	672.74	1.77	5.35	118.74	359.76	478.49

CSPDCL would like to further submit that the details of all Biomass Plants along with capacity in MW and Capacity and Energy charges for FY 2022-23 upto Nov 2022 is given below:

S.No.	Name of Biomass based Power Plant	Installed capacity of the plant (in MW)	Energy Charges (Rs. /kWh)	Capacity Charges (Rs. /kWh)
1	M/s MVK Bio Energy Pvt. Ltd., Bilaspur	15.00	5.35	1.70
2	M/s ISA Power Pvt. Ltd., Dhamtari	8.00	0.00	0.00
3	M/s Ecofren Power Project Ltd., Durg	8.00	0.00	0.00
4	M/s Agrawal Vidyut Ltd., Raipur	8.50	5.35	1.70

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S.No.	Name of Biomass based Power Plant	Installed capacity of the plant (in MW)	Energy Charges (Rs. /kWh)	Capacity Charges (Rs. /kWh)
5	M/s Sudha Agro & Chemicals Ltd., Bilaspur	9.99	5.35	1.70
6	M/s Neeraj Power Pvt. Ltd., Raipur	8.00	5.35	1.70
7	M/s Real Power Pvt. Ltd., Bilaspur	7.50	5.35	1.70
8	M/s Rukmani Power & Steel Ltd., Kharsia	10.00	5.35	1.70
9	M/s Kalindi Power & Steel Ltd., Mahasamund	8.00	5.35	1.70
10	M/s Balaji Power, Mahasamund	8.50	5.35	1.70
11	M/s Mahendra Power Pvt. Ltd., Janjgir-Champa	9.80	5.35	1.66
12	M/s Animesh Ispat Pvt. Ltd, Balodabazar	9.80	5.35	1.66
13	M/s Mahaveer Energy & Coal Benefication Pvt. Ltd., Raigarh	12.00	5.35	1.66
14	M/s Indra Powergen Pvt. Ltd., Sarguja	10.00	5.35	1.66
15	M/s Shyam Warehousing & Power Pvt. Ltd., Janjgir-Champa	10.00	5.35	2.05
16	M/s Vandana Vidhyut Ltd., Bilaspur	8.00	5.35	1.55
17	M/s Shanti GD Ispat & Power Pvt. Ltd., Champa	15.00	5.35	2.16
18	M/s Shri Vishnu Power & Energy Ltd., Rajnandgaon	10.00	0.00	0.00
19	M/s RR Energy Pvt. Ltd., Raigarh	15.00	5.35	1.58
20	M/s Kawardha Co Gen (CSPGCL)	6.00	0.00	0.00
21	M/s Lauh Purush Sardar Vallabh bhai Patel, Pandariya (Co-gen)	14.00	3.44	1.58

Query No.53: CSPDCL should justify considering the rate of sale of surplus power as Rs. 4.94/kWh for FY 2023-24, based on actuals.

Query

CSPDCL has replied that it has considered the actual data from April 2022 to July 2022 including DAM and RTM power sale rate. CSPDCL to submit the relevant data.

CSPDCL Response:

CSPDCL submits the actual Data from April 2022 to July 2022 including DAM and RTM power sale rate is attached as **Annexure P4**.

Impact of APTEL Judgment

Query No.55: In para 8.67 and Table 53, CSPDCL has claimed the impact of APTEL Judgment on CSD issue as Rs. 136 Crore. CSPDCL should submit the following details:

- Relief granted by APTEL to CSPDCL
- Computation of principal amount
- Computation of carrying cost.

Query

As regards CSPDCL's reply to Query (c), CSPDCL to re-submit the computation of carrying cost showing all years.

CSPDCL Response:

CSPDCL submits that there is some inadvertent error made in the Petition while computing the carrying cost and therefore the revised computation of carrying cost as shown under:

Particulars	FY 2013 -14	FY 2014 -15	FY 2015 -16	FY 2016 -17	FY 2017 -18	FY 2018 -19	FY 2019 -20	FY 2020 -21	FY 2021 -22	FY 2022 -23	FY 2023 -24
Opening Gap	30.98	35.07	39.80	45.18	50.96	57.38	64.38	72.46	80.90	89.72	99.50
Total Gap	30.98	35.07	39.80	45.18	50.96	57.38	64.38	72.46	80.90	89.72	99.50
Rate of interest	13.20%	13.50%	13.50%	12.80%	12.60%	12.20%	12.55%	11.65%	10.90%	10.90%	10.90%
(Carrying Cost)/ Holding Cost	4.09	4.73	5.37	5.78	6.42	7.00	8.08	8.44	8.82	9.78	10.85
Total Closing Revenue Gap/ (Surplus) at end of the year	35.07	39.80	45.18	50.96	57.38	64.38	72.46	80.90	89.72	99.50	110.35

Revenue from Sale of Power at Existing Tariff

Query No.56: In Table 54, CSPDCL has shown the category-wise revenue, which tallies with the revenue computed in the Model. However, the following lacunae have been observed in the revenue calculations, which need to be corrected:

- The revenue impact of giving LF Rebate in accordance with the Tariff Order for FY 2022-23 has not been considered. Please provide the projected LF at various levels and the resultant LF rebate, which will reduce the computed revenue
- The impact of TOD tariff for has not been considered for HV-2, HV-3, and HV-4 categories. CSPDCL should provide the details of TOD-timeslot wise sales to these 3 categories, and the computation of TOD revenue based on the TOD tariff approved in the latest Tariff Order, viz., 120% for peak hour consumption and 65% for Base load consumption.

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- c. The calculation of revenue from Fixed Charges for LV-1 Domestic category should be modified in line with the telescopic Fixed Charges approved for this category; CSPDCL should submit the connected load in different slabs, viz., 0-5 kW, above 5 up to 10 kW, and above 10 kW, and the revenue from telescopic fixed charges for this category for FY 2022-23
- d. CSPDCL should submit the average Load Factor of Railways in FY 2021-22 and FY 2022-23 (April to November 2022)
- e. Actual category-wise Power Factor for all HV categories in FY 2021-22.

Query

CSPDCL should submit the details sought in Query (a) and (b) above, as desired.

CSPDCL Response:

CSPDCL submits that the impact of LF Rebate and TOD tariff on the revenue projected for FY 2023-24 is shown as Annexure P5.

Retail Tariff Proposal

Query No.57: CSPDCL has stated that ACOS for FY 2023-24 works out to Rs. 6.22 per unit, which is the approved ACOS for FY 2022-23, hence, no tariff increase is required to meet the current gap. However, CSPDCL has computed the revenue gap by considering revenue based on approved tariff for FY 2022-23. CSPDCL should:

- a. Submit its proposal to meet the revenue gap of Rs. 2372 Crore for FY 2023-24, in the absence of any tariff increase proposed by CSPDCL
- b. Justify its statement that tariff increase is not required because the ACOS is the same, though there is a revenue gap based on existing tariff.

Query

- a) CSPDCL should clarify how it proposes to meet the projected Revenue Gap of Rs. 2372 Crore for FY 2023-24 (excluding Revenue Gap of CSPGCL, CSPTCL and CSLDC) in the absence of any tariff increase proposed by CSPDCL.
- b) CSPDCL should clarify how it proposes to meet the projected Revenue Gap of Rs. 573 Crore for FY 2023-24 (towards Revenue Gap of CSPGCL, CSPTCL and CSLDC) in the absence of any tariff increase proposed by CSPDCL.

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- c) Vide letter Ref: _____ dated _____, the Commission has directed CSPDCL to submit its retail tariff proposal in accordance with Regulation 5(b)4 of the CSERC MYT Regulations, 2021. CSPDCL should submit the same immediately.
- d) CSPDCL should submit supporting data regarding interruptions for 132 kV and 220 kV, to justify its proposal towards reduction of the normative no-supply hours to these categories.
- e) Apart from specific proposals, CSPDCL should clarify whether it desires any modifications to the existing Tariff Schedule and General Terms and Conditions of Tariff.

CSPDCL Response:

For Query No. (a) and (b)

CSPDCL would like to submit that CSPDCL has filed its Tariff Petition before the Hon'ble commission for approval of retail tariff for FY 2023-24 before CSPGCL and CSPTCL. Therefore, while preparing the tariff petition, we are not aware of the Gaps of CSPGCL and CSPTCL and therefore we have not considered the same in our Tariff Petition. CSPDCL further would like to submit that determination of tariff for retail sale is prerogative of Hon'ble Commission U/s 62(3) of the Electricity Act 2003, hence it would like to submit a request for rationalized tariff for all consumer categories required to meet the approved gap.

For Query No. (c)

CSPDCL would like to submit that as per Regulation 5.7(b)(4) of the CSERC MYT Regulations, 2021, CSPDCL is required to submit the following for the Control Period (FY 2022-23 to FY 2024-25):

1. *The truing up petition for preceding year(s);*
2. *Revised power purchase quantum / cost (if any), with details thereof for the ensuing years.*
3. *Revenue from existing tariffs & charges and projected revenue for the ensuing year.*
4. *Application for redetermination of ARR for the ensuing year along with retail tariff proposal.*

Based on the above CSPDCL would like to submit that as per Regulation 5.7 (a)(ii)(4) the CSERC Tariff Regulations, 2021 for the first year of control period the licensee has to propose the retail tariff proposal along with proposed category wise tariff or fees and charges for the first year of the Control period. However, after first year of Control period

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the licensee has to propose only the retail tariff proposal and CSPDCL would like to furnish that we have already furnished our proposal along with the Tariff Petition.

For Query (d)

CSPDCL submit supporting data regarding interruptions for 132 kV and 220 kV is shown as Annexure-P6

For Query (e)

CSPDCL already submitted the proposals under the tariff petition.

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Annexure P1_Summary R15-Revenue

Categorywise Sales and Revenue FY 2021-22

Category	Sales (kWh)	Energy Charges	Fixed Charges	VCA	Total Revenue with VCA	Total Revenue without VCA	ABR with VCA	ABR without VCA
LV1 (BPL)								
0-100	965964917	3269546178	1006719977	156812281	4433078436	4276266155		
101-200	122984883	326236627	143262674	19949450	489448751	469499301		
201-400	56861132	134278493	84415473	10969552	229663518	218693967		
401-600	1668713	5330372	858619	314037	6503029	6188992		
600 and Above	4937629	8563895	9540841	697459	18802195	18104736		
Sub Total (BPL)	1152417274	3743955565	1244797584	188742779	5177495929	4988753150	4.49	4.33
LV1 DLF								
0-100	897010886	3183428155	1023112927	146808437	4353349519	4206541082		
101-200	1151950075	3154702198	1012892165	195229850	4362824213	4167594363		
201-400	1372914105	3926513865	1478836269	299877122	5705227255	5405350134		
401-600	599641314	1757745521	827351754	126431157	2711528432	2585097274		
600 and Above	1049808548	3500696143	2059697679	217015654	5777409476	5560393822		
Sub Total DLF	5071324928	15523085882	6401890793	985362220	22910338896	21924976676	4.52	4.32
LV 1 Total								
0-100	1862975803	6452974334	2029832903	303620718	8786427955	8482807237		
101-200	1274934958	3480938825	1156154839	215179300	4852272964	4637093664		
201-400	1429775237	4060792358	1563251742	310846673	5934890774	5624044100		
401-600	601310027	1763075893	828210373.1	126745194	2718031461	2591286266		
600 and Above	1054746177	3509260038	2069238519	217713113	5796211671	5578498558		
Grand Total LV1	6223742202	19267041448	7646688378	1174104999	28087834824	26913729825	4.51	4.32
LV 2.1 Single Phase Non Domestic								
0-100	76011654	481044013	181722333	17710373	680476719	662766346		
101-400	114980061	627729683	50204595	26506987	704441265	677934278		
401 and Above	75209395	497021528	15468336	17429973	529919837	512489863		
Subtotal LV 2.1	266201110	1605795224	247395263	61647333	1914837821	1853190487	7.19	6.96
LV 2.2 Three Phase Non Domestic								
LV 2.2 A Upto 15 KW								
0-400	64574420	521560878	171383912	14959344	707904133	692944789		
401 and Above	399780936	2997529067	243056179	94065336	3334650582	3240585246		
Sub Total LV 2.2 A	464355356	3519089945	414440091	109024680	4042554715	3933530036	8.71	8.47
LV 2.2 Above 15 KW	277152353	2077944513	548398528	64955588	2691298629	2626343041		
Total LV 2	1007708819	7202829681	1210233882	235627602	8648691165	8413063564	8.58	8.35
LV3 Agriculture	4820292107	20411925106	1844229448	940271355	23196425909	22256154554	4.81	4.62
LV 4 Allied Service								
4.1 (A) Upto 25 HP	14239452	72560817	23518569	3469170	99548556	96079386		
4.1 (B) Above 25 HP and upto 150 HP	13717084	75509402	17998053	3229409	96736865	93507456		
4.2. Demand Based	3070713	17992534	3554060	743681	22290275	21546594		
Total LV 4	31027249	166062753	45070682	7442261	218575697	211133436	7.04	6.80
LV 5								
5.1 Flour Mills (Upto 25 HP or 18.7 kW)	15699469	61512680	25606252	3675913	90794846	87118932		
5.1 Baster Sarguja	43642282	166425687	96815142	10186436	273427265	263240829		
5.2 Upto 25 HP	33171579	167294229	73562100	7789708	248646038	240856329		
5.2 Baster Sarguja	19635147	93559817	46577810	4680940	144818568	140137628		
5.2.2 25 HP to 150 HP	334900753	1936745912	429626966	78433373	2444806252	2366372879		
5.2.2 Baster Sarguja	225578383	1296372540	307476616	52530458	1656379615	1603849156		
Total LV 5	672627613	3721910866	979664888	157296830	4858872584	4701575754	7.22	6.99
LV 6 Public Utility	466056649	2973685586	370823635	115942073	3460451295	3344509222	7.42	7.18
LV 7 IT Industry	1198933	6849027	615990	334679	7799696	7465017	6.51	6.23
LV 8 Temporary	1127308051	4938744394	595040922	219878786	5753664103	5533785316	5.10	4.91
Total LV	14349961622	58689048862	12692367826	2850898585	74232315273	71381416688	5.17	4.97

HV 1 Railway Traction	1159654770	1648672788	5393343756	270201081	7312217625	7042016544	6.31	6.07
HV 2 Mines								
220 kV								
132 kV	327370050	402644750	2262058766	75899643	2740603159	2664703516		
33 kV	351596912	598765810	2576914669	81712826	3257393305	3175680479		
11 kV	4013636	20478750	39846151	949092	61273993	60324901		
Total	682980598	1021889310	4878819586	158561561	6059270457	5900708896	8.87	8.64
HV 3 Other Industrial & General Purpose Non Industrial								
220 kV	12875600	61579500	1650592513	3113856	1715285869	1712172013		
132 kV	251575068	466824061	1590352516	56553820	2113830397	2057176577		
33 kV	1404969902	1827160736	9724247668	321622190	11873030594	11551408404		
11 kV	209665059	383047738	77604191	48622955	509274884	460651929		
Total	1879085629	2738612035	13042796888	430012821	16211421744	15781408923	8.63	8.40
HV 4 Steel Industry								
220 kV	526143701	1022262600	3003214071	134214240	4159690911	4025476671		
132 kV	1498852940	1135741171	8028894424	355571571	9520207166	9164635595		
33 kV	4651157600	3762144232	27001591557	1068922828	31832658617	30763735789		
11 kV	15467815	24392572	95500584	3594147	123487303	119893156		
Total	6691622056	5944540575	38129200636	1562302786	45636043997	44073741211	6.82	6.59
HV 5 Irrigation & Agriculture Allied Activities, Public Water Works	191273228	242702285	1296603846	47047046	1586353177	1539306131	8.29	8.05
HV 6 Residential	177914646	198108912	1078228094	46291469	1316628475	1276337006	7.40	7.17
HV 7 Start Up Power	18637804	33403500	286551887	4656598	324611585	319955387	17.42	17.17
HV 8 Industries related to manufacturing of equipment for power generation from renewable energy sources	2916615	1315375	12339879	661767	14317021	13655254	4.91	4.68
HV 9 IT Industry	7243722	1536375	32656112	1743740	35936227	34192487	4.96	4.72
Total	10811329068	11830781155	64150540684	2515478869	78496800708	75981321839	7.26	7.03

Annexure P1_Summary R15-Revenue

Categorywise Sales and Revenue FY 2022-23								
Category	Sales (kWh)	Energy Charges	Fixed Charges	VCA	Total Revenue with VCA	Total Revenue without VCA	ABR with VCA	ABR without VCA
LV1 (BPL)								
0-100	631814412	2722154151	241897786	214819810	3178871748	2964051938		
101-200	69400961	277971149	9965551	22501046	310437746	287936700		
201-400	20178840	82480426	1482635	6327585	90290646	83963061		
401-600	3145593	13348301	207489	888317	14444106	13555789		
600 and Above	945790	3297275	108426	182927	3588628	3405701		
Sub Total (BPL)	725485596	3099251302	253661887.3	244719685	3597632874	3352913189	4.96	4.62
LV1 DLF								
0-100	623033983	2581258967	322028313	227545348	3130832628	2903287280		
101-200	886512471	3307372146	160984485	311278048	3779634679	3468356632		
201-400	1102587586	4589405560	147784800	354220522	5091410882	4737190360		
401-600	470594761	2235320455	56159350	136110033	2427589838	2291479805		
600 and Above	700516686	4251661826	81040271	187964233	4520666330	4332702097		
Sub Total DLF	3783245487	16965018953	767997219.9	1217118184	18950134358	17733016173	5.01	4.69
LV 1 Total								
0-100	1254848395	5303413118	563926099.4	442365158	6309704376	5867339218		
101-200	955913432	3585343295	170950036	333779094	4090072425	3756293331		
201-400	1122766426	4671885985	149267435.7	360548108	5181701529	4821153421		
401-600	473740354	2248668755	56366838.68	136998350	2442033944	2305035594		
600 and Above	701462476	4254959101	81148697.44	188147160	4524254958	4336107798		
Grand Total LV1	4508731083	20064270255	1021659107	1461837870	22547767232	21085929362	5.00	4.68
LV 2.1 Single Phase Non Domestic								
0-100	58755105	381648780	118620800	20970638	521240218	500269580		
101-400	100087989	620967613	44065334	33354359	698387307	665032947		
401 and Above	63098611	462978012	14231645	20286368	497496025	477209657		
Subtotal LV 2.1	221941705	1465594406	176917779	74611365	1717123549	1642512185	7.74	7.40
LV 2.2 Three Phase Non Domestic								
LV 2.2 A Upto 15 KW								
0-400	45811467	350804799	197750999	16538063	565093862	548555799		
401 and Above	323066750	2610599561	204974399	111586371	2927160331	2815573960		
Sub Total LV 2.2 A	368878217	2961404360	402725398	128124434	3492254193	3364129759	9.47	9.12
LV 2.2 Above 15 KW								
241852913	1876616727	423247864	82101768	2381966359	2299864591			
Total LV 2	832672835	6303615493	1002891041	284837567	7591344101	7306506534	9.12	8.77
LV3 Agriculture	3633685947	14844206921	1376774194	957063413	17178044528	16220981115	4.73	4.46
LV 4 Allied Service								
4.1 (A) Upto 25 HP	10447306	56648586	18868182	3694854	79211623	75516768		
4.1 (B) Above 25 HP and upto 150	9814244	54859316	13333675	3398724	71591715	68192991		
4.2. Demand Based	3026605	18604200	3187100	1058265	22849565	21791300		
Total LV 4	23288155	130112102	35388957	8151843	173652903	165501059	7.46	7.11
LV 5								
5.1 Flour Mills (Upto 25 HP or 18.7	11313241	47945444	20726895	4014952	72687291	68672339		
5.1 Baster Sarguja	26043411	106926494	66675499	9090116	182692110	173601993		
5.2 Upto 25 HP	24553674	130467795	54647584	8489400	193604778	185115379		
5.2 Baster Sarguja	14680627	73657122	37925421	5086113	116668656	111582543		
5.2.2 25 HP to 150 HP	212437120	1277285779	325555425	73173375	1676014579	1602841204		
5.2.2 Baster Sarguja	147221038	877287315	258113495	49559097	1184959907	1135400810		
Total LV 5	436249111	2513569950	763644319	149413053	3426627323	3277214269	7.85	7.51
LV 6 Public Utility	374684437	2427615608	277586500	141800104	2847002212	2705202108	7.60	7.22
LV 7 IT Industry	826525	4257454	611250	233207	5101911	4868704	6.17	5.89
LV 8 Temporary	750983087	3747945644	402104444	227478535	4377528623	4150050088	5.83	5.53
Total LV	10561121180	50035593427	4880659813	3230815592	58147068832	54916253240	5.51	5.20

HV 1 Railway Traction	822856650	1150631874	3970918799	290656710	5412207383	5121550673	6.58	6.22
HV 2 Mines								
220 kV								
132 kV	222728870	268570500	1588499120	77666198	1934735818	1857069620		
33 kV	243332069	452238543	1835018693	86870246	2374127482	2287257236		
11 kV	4408937	20389767	42643842	1592612	64626221	63033609		
Total	470469876	741198810	3466161655	166129056	4373489521	4207360465	9.30	8.94
HV 3 Other Industrial & General Purpose Non Industrial								
220 kV	50222800	55222500	313416535	19828985	388468020	368639035		
132 kV	295530108	385794844	1905624511	104446542	2395865897	2291419355		
33 kV	1033070128	1431155887	7284691348	351964171	9067811406	8715847235		
11 kV	143301978	287397273	1196227690	48569090	1532194053	1483624963		
Total	1522125014	2159570504	10699960084	524808788	13384339376	12859530588	8.79	8.45
HV 4 Steel Industry								
220 kV	466394724	802061360	2532064298	187916509	3522042167	3334125658		
132 kV	1388117900	1020678810	7547261471	507879900	9075820181	8567940281		
33 kV	3668291359	2835981360	21732074875	1313622859	25881679094	24568056235		
11 kV	9645071	15727916	60614134	3392845	79734895	76342050		
Total	5532449054	4674449446	31872014778	2012812113	38559276337	36546464224	6.97	6.61
HV 5 Irrigation & Agriculture Allied Activities, Public Water Works	148353803	192557152	1040540319	54876986	1287974457	1233097471	8.68	8.31
HV 6 Residential	120485946	138698849	774874267	40371460	953944576	913573116	7.92	7.58
HV 7 Start Up Power	7052564	19451100	97380417	2406628	119238145	116831517	16.91	16.57
HV 8 Industries related to manufacturing of equipment for power generation from renewable energy sources	2907277	1946620	12796102	1042001	15784723	14742722	5.43	5.07
HV 9 IT Industry	1561908	1220800	6994831	434331	8649962	8215631	5.54	5.26
Total	8628262092	9079725155	51941641252	3093538073	64114904480	61021366407	7.43	7.07

Annexure P2_TOD Details

Summary of Category wise TOD Sales and Revenue															
S. No.	Category	Consumption (Kvah)					Total Revenue in Rs								
		Peak	Normal	Off Peak	Penal	Total (Actual Consumption)	Fixed charges	EC - Peak	EC - Normal	EC - Off peak	EC - Penal	Additional Charge	MMC	VCA	Total
1	HV 2	166548038	389519145	191417888	4686177	752171248	1021889310	1337114387	2613093014	871724588	40476597	0	16411000	158561561	6059270457
2	HV 3	413507250	1107736128	481638291	12310016	2015191685	2738612035	3286480080	7331714176	2170387598	158048929	3030894	93135211	430012821	16211421744
3	HV 4	1369183456	3639298629	1730203220	111867450	6850552755	5944540575	9513983163	21422579103	6818136948	298239775	854651	75366996	1562302766	45636043997

[illegible]

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Annexure - 2

Energy sale through Exchange Year 2022-23

Sr No	Month	DAM Sale 2022-23					RTM Sale 2022-23				
		Energy (Mwh)	Amount(Rs)	Rate	Net Amt.receivable	Net Rate	Energy(Mwh)	Amount(Rs)	Rate	Total Received	Net Rate
1	Apr-22	22,347	12,23,90,906	5.48	12,16,28,306	5.44	50,668	46,16,19,294	9.11	45,97,05,154	9.07
2	May-22	87,267	35,53,07,794	4.07	35,24,53,019	4.04	1,11,767	65,13,97,230	5.83	64,75,44,972	5.79
3	Jun-22	1,18,522	52,73,85,914	4.45	52,34,65,573	4.42	70,193	41,04,31,522	5.85	40,80,09,023	5.81
4	Jul-22	1,72,796	73,22,33,342	4.24	72,65,57,594	4.2	1,06,325	63,65,67,279	5.99	63,28,86,710	5.95
5	Aug-22										
6	Sep-22										
7	Oct-22										
8	Nov-22										
9	Dec-22										
10	Jan-23										
11	Feb-23										
12	Mar-23										
	Total	4,00,933	1,73,73,17,957	4.33	1,72,41,04,492	4.3	3,38,952	2,16,00,15,324	6.37	2,14,81,45,860	6.34
			Average (DAM + RTM) Sale				7,39,886	3,89,73,33,281	5.27	3,87,22,50,352	5.23

28885.46

Revenue Billed (\$s Crores)			ASR	
Energy Charge	Penal	LT Rebate	Total	Total Revenue (Paise/KWh)
Off-Peak				

1,62,86 137.50 6,884.06 8,192.27 670

- - 118.46 548.81 690.93 523

97.32 2.41 553.45 657.75 887

46.22 - 259.45 299.17 842

50.62 2.38 290.52 352.95 925

0.49 0.03 3.48 5.62 1290

228.40 1,440.97 1,798.78 921

1.80 1.29 9.56 16.29 1217

34.53 3.02 182.06 217.14 907

168.65 17.03 1,075.55 1,111.85 898

21.41 6.70 173.81 233.50 1071

837.14 135.09 907.19 4,016.22 4,651.62 602

80.03 120.25 91.34 427.44 515.70 673

162.20 2.50 181.18 731.27 818.85 543

592.84 12.21 630.56 2,845.84 3,264.41 607

2.06 0.14 2.10 9.67 12.66 708

- - - 175.36 206.10 764

- - - 122.55 144.48 792

- - - 20.92 36.42 1615

- - - 1.63 1.79 508

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1,62,86 137.50 15,983.48 18,070.56 626

19344.17

Interruptions of 132KV and 220 KV Steel Industries Feeder

Sl.No.	Name of S/s	Name of 132KV feeder Steel Industries	Apr'22 Total Duration	May'22 Total Duration	Jun'22 Total Duration	Jul'22 Total Duration	Aug'22 Total Duration	Sept'22 Total Duration	Oct'22 Total Duration	Nov'22 Total Duration	Dec'22 Total Duration
1	220KV S/s Borjhara	Bajrang metallics	1.59.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00
2		Real Ispat	1.59.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00
3		Prime Ispat	1.59.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00
4	220KV S/s Kutheri	Bajrang Power	0.00.00	3.31.00	13.34.00	12.20.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00
5		Fortune Metalliks	0.00.00	2.23.00	13.31.00	13.59.00	0.00.00	0.39.00	0.00.00	0.37.00	0.00.00
6		SKS	0.00.00	6.16.00	12.49.00	11.34.00	10.22.00	9.58.00	7.51.00	0.00.00	1.49.00
7	220 KV S/s Siltara	I.G.L.	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00
8		Vandana	7.39.00	13.04.00	13.02.00	11.34.00	13.31.00	0.30.00	0.33.00	0.00.00	5.19.00
9		SEML_1	0.00.00	5.09.00	12.54.00	11.34.00	1.18.00	10.16.00	0.00.00	0.00.00	0.00.00
10		NAKODA	0.00.00	2.39.00	13.25.00	11.34.00	3.19.00	10.27.00	8.02.00	0.00.00	0.00.00
11		GPIL	0.00.00	4.08.00	12.49.00	11.34.00	0.00.00	14.36.00	7.43.00	0.00.00	0.00.00
12		API	0.00.00	0.00.00	12.49.00	11.34.00	0.00.00	10.22.00	0.00.00	0.00.00	0.00.00
13		Maruti Nandan	0.00.00	9.54.00	12.49.00	11.34.00	8.32.00	9.39.00	0.00.00	0.00.00	0.00.00
14	220 KV S/s Urla	Aarti Sponge	0.00.00	0.00.00	12.54.00	11.34.00	4.40.00	9.39.00	0.00.00	0.00.00	0.00.00
15		Bajrang power	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.32.00	0.00.00	0.00.00
16		Nagarnar	1.19.00	0.00.00	1.20.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	6.28.00
17	132 KV S/s Mandir Hasaud	MIEL	0.26.00	0.00.00	2.20.00	9.32.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00
18	400 KV S/s Khedamara	BSP-1	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	6.21.00	0.00.00	0.00.00
19		BSP-2	0.00.00	5.24.00	0.00.00	0.00.00	5.05.00	0.00.00	0.40.00	10.03.00	0.00.00
20	220 KV S/s Siltara	JNIL	24:24:00	1.46.00	0.00.00	0.42.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00