

O/o E.D. (ETC)  
CSPDCL Raipur  
Receipt No. 2023  
Date 22 AUG 2022  
AGM (IT)  
SE (O)/SE II & III  
EE  
Section



**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**  
Email ID: cecomcseb@rediff.com, website: www.cspdcl.co.in  
Phone (0771) 2574441, Fax (0771) 2574442

No.02-02/SE-IVCA/ 1015

Raipur, Date 22/08/2022

To,

The Secretary,  
Chhattisgarh State Electricity Regulatory Commission,  
Irrigation Colony, New Shanti Nagar,  
Raipur.

Sub: Computation of VCA charge in respect of 1<sup>st</sup> bi-monthly period of FY 2022-23 (April'2022 & May'2022)–Levy to consumers as per CSERC MYT Regulations, 2021.

In compliance to the provisions contained at Regulation 93 of CSERC MYT Regulations, 2021, VCA charge in respect of CHFC and CHPP towards 1<sup>st</sup> bi-monthly period of FY 2022-23 (April'2022 & May'2022) is computed and shown in the table below:

| Sr. No. | Category of consumers | Rate of VCA charge to be recovered |
|---------|-----------------------|------------------------------------|
| 1       | All categories        | Rs. 0.42 per unit                  |

These VCA charges are recoverable from electricity consumers for the consumption in the months of August'2022 and September'2022 payable in the months of September'2022 and October'2022 respectively. The calculation-sheet as provided in the regulation is also attached herewith for favour of reference demonstrating the manner of such determination.

Encl.: As above.

Executive Director (RA&PM)  
CSPDCL: Raipur

**Computation of VCA Charges (1<sup>st</sup> bi-monthly period of FY 2022-23)**

**(A) CHFC: -**

| Month               | HTPS                | DSPM TPS             | Korba (W) Extn.     | ABVTPS               | Total Amt.in Rs.     |
|---------------------|---------------------|----------------------|---------------------|----------------------|----------------------|
| Apr-22              | -2,08,69,638        | -7,66,31,586         | -1,46,52,762        | -12,36,19,158        | <b>-23,57,73,144</b> |
| May-22              | -5,21,38,698        | -3,53,42,688         | -3,89,13,436        | 67,90,824            | <b>-11,96,03,998</b> |
| <b>Total in Rs.</b> | <b>-7,30,08,336</b> | <b>-11,19,74,274</b> | <b>-5,35,66,198</b> | <b>-11,68,28,334</b> | <b>-35,53,77,142</b> |

**(B) CHPP:**

- (i) Total units purchased from all sources (excluding CSPGCL thermal stations) : 3044.40 MU
- (ii) Amount paid against units purchased : Rs. 1222.03 Cr.
- (iii) Rate per unit : Rs. 4.01 /KWh
- (iv) Average rate approved by CSERC for purchase of power from all sources (excluding CSPGCL thermal stations) : Rs. 3.18/KWh
- (v) Diff. in rate (iii-iv) : Rs. 0.83/KWh
- (vi) CHPP (in Rs.) (i)x(v) : Rs. 252,68,52,706
- C. Gross VCA (A+B) in Rs : Rs. 217,14,75,564
- D. Total quantum of power purchased during the period : 613,81,52,425 Kwh
- E. Quantum of power purchased for sale to retail consumers of the State : 586,61,03,425 KWh
- F. Allowable VCA (in Rs.)[C\*(E/D)] : Rs. 207,52,33,614
- G. Normative transmission & distribution losses as specified in Tariff order : 15.62%
- H. Allowable VCA Charges(Rs./Kwh) (F/E\*(1-G)) : **Rs. 0.42 per KWh**

VCA Charge to be recoverable from monthly energy bills of all categories of consumers:

- 1. All categories Rs. 0.42 per unit

To be recovered from energy bill for the consumption in the months of August'2022 and September'2022 payable in the months of September'2022 and October'2022 respectively.

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| S.No. | Particulars   | Approved Power Purchase Quantum & Cost by CSERC for FY 2022-23 |                     |                         | Actual power purchase Quantum & Cost during the month of April'2022 & May'2022 |                           |                         |
|-------|---|--|---------------------|-------------------------|--|---------------------------|-------------------------|
|       |   | Quantum (in MU)  | Amount (in Cr. Rs.) | Per unit Rate (Rs./kwh) | Total quantum (in MU)  | Total amount (in Cr. Rs.) | Per unit Rate (Rs./kwh) |
| A     | <b>Central Generating Stations</b>                                |  |                     |                         |  |                           |                         |
| 1     | NTPC  | 14008.29   | 4442.42             | 3.17                    | 1984.26  | 778.02                    | 3.92                    |
| 2     | NTPC-SAIL   | 271.13   | 100.27              | 3.70                    | 57.53  | 22.93                     | 3.99                    |
| 3     | NPC Limited   | 295.36   | 95.24               | 3.22                    | 64.16  | 21.78                     | 3.39                    |
| 4     | Others  | 550.89   | 409.14              | 7.43                    | 151.72   | 50.11                     | 3.30                    |
| 5     | Unschedule Power (within State)                                   |  |                     |                         | 28.37  | 3.82                      | 1.35                    |
| 6     | NVVN Coal Power   |  |                     |                         | 28.86  | 12.28                     | 4.25                    |
| B     | <b>CSPGCL</b>   |  |                     |                         |  |                           |                         |
| 1     | CSPGCL- (Renewables + Hasdeo Bango)                               | 372.58   | 69.61               | 1.87                    | 56.36  | 14.88                     | 2.64                    |
| C     | <b>Purchase from Traders, IPPs and other sources</b>              |  |                     |                         |  |                           |                         |
| 1     | Short term Power Purchase (including Net power purchase from IEX) | 0  | 0                   | -                       | -107.71  | -0.44                     | -                       |
| 2     | Concessional Power  | 2395.56  | 444.52              | 1.86                    | 340.63   | 61.72                     | 1.81                    |
| 3     | Border Village Power Purchase                                     |  |                     |                         | 0.32   | 0.27                      | 8.23                    |
| D     | <b>Purchase from Renewable Sources</b>                            |  |                     |                         |  |                           |                         |
| 1     | Biomass   | 886.58   | 610.52              | 6.89                    | 168.52   | 120.81                    | 7.17                    |
| 2     | Solar   | 1994.01  | 498.5               | 2.50                    | 199.74   | 76.39                     | 3.82                    |
| 3     | Hydel/Other RE  | 464.72   | 158.47              | 3.41                    | 71.63  | 59.47                     | 8.30                    |
| 4     | Other/New RE  | 1206.14  | 301.54              | 2.50                    | -  | -                         | -                       |
|       | <b>Total</b>  | <b>22445.26</b>  | <b>7130.23</b>      | <b>3.18</b>             | <b>3044.40</b>   | <b>1222.03</b>            | <b>4.01</b>             |

Tariff Diff. 0.83 Rs./kwh  
CHPP Rs. 2,52,68,52,705.50

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Computation of VCA (1st Bi-monthly period of FY 2022-23)

| S.No. | Particulars                  |  |         |            |
|-------|------------------------------|--|---------|------------|
| 1     | CHFC                         |  | Rs.     | -355377142 |
| 2     | CHPP                         |  | Rs.     | 2526852706 |
| 3     | Gross VCA (sub total in Rs:) | CHFC+CHPP  | Rs.     | 2171475564 |
| 4     | Allowable VCA (in Rs.)       | $Gross\ VCA\ (in\ Rs.) \times \frac{Q_{RS}}{Q_{pp}}$ | Rs.     | 2075233614 |
| 5     | Allowable VCA (in Rs/Kwh)    | $\frac{Allowable\ VCA\ (in\ Rs.)}{[Qrs * (1-L)]}$    | Rs./Kwh | 0.42       |

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### Computation of Qpp and Qrs (1st Bi-monthly of FY 2022-23)

| S No. | Particulars  |   |            |     |
|-------|--|---|------------|-----|
| 1     | Quantum of actual power purchased from CSPGCL thermal Power stations   | $Q_1$                                       | 2917812313 | KwH |
| 2     | Quantum of actual power purchased from CSPGCL hydro Power stations(Bango)  | $Q_2$                                       | 48705051   | KwH |
| 3     | Quantum of actual power purchased from CSPGCL Renewable Power stations(Small Hydel Station of CSPGCL + CoGen Kawardha) | $Q_3$                                       | 7658555    | KwH |
| 4     | Quantum of scheduled power purchased from CGs  | $Q_4$                                       | 2766232499 | KwH |
| 5     | PGCIL actual losses for the bi-monthly period  | L1  | 3.28%      |     |
| 6     | Quantum of scheduled power purchased from CGs at state periphery   | $Q_5=Q_4(1-L1)$                             | 2675500073 | KwH |
| 7     | Quantum of actual power purchased from Renewable energy Sources  | $Q_6$                                       | 300828040  | KwH |
| 8     | Quantum of actual short term and long term power purchased from State IPPs and CGPs                                    | $Q_7$                                       | 0          | KwH |
| 9     | Quantum of scheduled short term purchased through inter-state route (IEX)  | $Q_8$                                       | 164341000  | KwH |
| 10    | Quantum of scheduled short term purchased through inter-state route at the State periphery (IEX)                       | $Q_9=Q_8(1-L1)$                             | 158950615  | KwH |
| 11    | Quantum of power purchased from other Sources(if any)(Short term + Border Village+Un scheduled)                        | $Q_{10}$                                    | 28697778   | KwH |
| 12    | Total Quantum of power purchased   | $Q_{PP}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$ | 6138152425 | KwH |
| 13    | Normative transmission and distribution losses as specified in the Tariff order  | L   | 15.62%     |     |
| 14    | Quantum of power scheduled for interstate sale(Sale through IEX+Sale to Telangana)                                     | $Q_{PT}$                                    | 272049000  | KwH |
| 15    | Quantum of power purchased for sale to retail consumers of the State   | $Q_{RS}=Q_{PP}-Q_{PT}$                      | 5866103425 | KwH |

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**एनटीपीसी-सेल पावर कंपनी लिमिटेड**  
(एनटीपीसी और सेल का संयुक्त उपक्रम)

**NTPC-SAIL Power Company Limited**  
(A joint venture of NTPC & SAIL)

CIN : U74899DL1999PLC098274, GSTIN : 22AABCN5467A1ZX, HSN : 27160000  
 Energy Bill : 01.04.2022 - 30.04.2022  
 Bill Date : 04.05.2022  
 Bill No. 6300303  
 Beneficiary Name : Chhatisgarh State Power  
 GSTIN Of Beneficiary : 22AADCC6047K1ZR

| Station Data |          | Beneficiary Data |                   |
|--------------|----------|------------------|-------------------|
| PAFM         | %        | Energy Schd.     | 31,858,625.00 kwh |
| NAPAF        | 85.000 % |                  |                   |

| Energy Charge Rate (ECR) |               | ((GHR - SFC x CVSF) x LPPF / CVPF + SFC x LPSFI + LC x LPL) x 100 / (100 - ATD) |  |
|--------------------------|---------------|---|--|
| ECR                      | 2.3930 Rs/kwh |   |  |

| Base Values |                   | Month Values |                  |
|-------------|-------------------|--------------|------------------|
| AUX         | 9.000 %           | CVSF         | 9.9320 Kcal/ml   |
| GHR         | 2415.000 kCAL/kwh | LPPF         | 2.7601 Rs/Kg     |
| SFC         | 0.500 mL/kwh      | CVPF         | 3172.777 kCal/Kg |
|             |                   | LPSFI        | .048500 Rs/ml    |

| ED Cess on APC       |                    | ED Duty on Cess/Taxes  |                   |
|----------------------|--------------------|------------------------|-------------------|
| Total SG for Station | 323,991,750.00 kwh | ED/Cess/Taxes Rate     | 0.050 Rs./kwh     |
| SAIL TEED            | kwh                | ED Rate on APC         | 0.641 Rs./kwh     |
|                      |                    | Energy Schd. for Benf. | 31,858,625.00 kwh |
|                      |                    | ED/Cess/Taxes Amt.     | 1,592,931.00 Rs.  |
|                      |                    | ED on APC Amt.         | 2,006,116.00 Rs.  |

|                        |                   |                           |                   |
|------------------------|-------------------|---------------------------|-------------------|
| APC excl. Colony Cons. | 31,827,680.00 kwh | Plant APC excl. Colony    | 32,813,952.00 kwh |
| Power factor           | 1.0000            | Power factor              | 1.0000            |
| Appl. APC for ED       | 3,129,666.49 kwh  | Applicable APC for ED     | 3,192,187.11 kwh  |
| Signal Previous Period |                   | Difference                | kwh               |
| APC excl. Colony       | 32,813,952.00 kwh | Appl. APC ED (Curr. Bill) | 3,129,666.49 kwh  |
| Power factor           | 1.0000            |                           |                   |
| Appl. APC for ED       | 3,192,187.11 kwh  |                           |                   |

| Revised ECR                |                   | Adjustment due to Revised ECR |                   |
|----------------------------|-------------------|-------------------------------|-------------------|
| ECR Prev. Period           | 2.4370 Rs./kwh    | ECR-Rev Prev. Period          | 2.5700 Rs./kwh    |
| ECR-Rev. Prev. Period      | 2.5700 Rs./kwh    | Schd. Energy (last bill)      | 32,515,383.00 kwh |
| Difference                 | 0.133 Rs./kwh     | Schd. Energy (REA)            | 32,515,383.00 kwh |
| Energy Schd Prev. Period   | 32,515,383.00 kwh | Diff. of Sched. Energy        | kwh               |
| Other Adj. due to ECR Rev. | 4,324,545.94 Rs.  | Adj. due to Rev. Energy       | 0.00 Rs.          |

| WRLDC fees & charges amt.  |                | Rebate & Surcharge Details |                   |
|----------------------------|----------------|----------------------------|-------------------|
| WRLDC fees                 | 14,085.00 Rs.  | Cap. Charges Prev Period   | Rs.               |
| WRLDC charges              | 0.00 Rs.       | Energy Charges Prev Period | 79,239,987.37 Rs. |
| Proc. charges (BSP)        | 0.00 Rs.       | Other Adj. Prev Period     | 1.00 Rs.          |
| Tariff Milling fee         | 220,000.00 Rs. | Total Applicable           | 79,239,988.37 Rs. |
| Miscellaneous charges      | 0.00 Rs.       | Rebate                     | %                 |
| Total Other Charges billed | 224,085.00 Rs. | Rebate Amount (-) (Rs.)    | Rs.               |
|                            |                | Surcharge (+) (Rs.)        | 0.00 Rs.          |

Registered Office: 4<sup>th</sup> Floor, NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066  
 Tel: 011-26717378-79-80-82, 26712273/ Fax: 011-26717364, 26717365, 26717366, 26717381  
 Registered Corporate Office: 4<sup>th</sup> Floor, NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066

# एनटीपीसी-सेल पावर कंपनी लिमिटेड

(एनटीपीसी और सेल का संयुक्त उपक्रम)

## NTPC-SAIL Power Company Limited

(A joint venture of NTPC & SAIL)

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Bill No: 11/39/11/98274, GSTIN: 22AABCN5467A1ZX, HSN: 27160000

Bill Date: 11/20/2024, Invoice No: 11/05/2024

Bill To: 11/05/2024

Bill From: 11/05/2024, Mangam Rate Tower

Bill To: 11/05/2024, SAADCO 047P1ZR

| Beneficiary Data |                   |
|------------------|-------------------|
| Energy Sched.    | 25,675,900.00 kwh |
| 100.6519 %       |                   |
| 85.000 %         |                   |

| Energy Charge Rate (ECR)  |  | Month Values |                  |
|---|--|--------------|------------------|
| $(GHR - SFC \times CVSF) \times LPPF / CVPF + SFC \times LPSFI + LC \times LPL \times 100 / (100 - ALIX)$ |  | CVSF         | 9.9210 Kcal/ml   |
| 2.8050 Rs/kwh   |  | LPPF         | 3.4710 Rs/Kg     |
| 9.000 %   |  | CVPF         | 3395.242 kCal/Kg |
| 2415.000 kCAL/kwh   |  | LPSFI        | .052598 Rs/ml    |
| 0.500 mL/kwh  |  |              |                  |

| ED Cess on PC |                    | ED Duty on Cess/Taxes   |                   |
|---------------|--------------------|-------------------------|-------------------|
| Total Station | 315,873,463.00 kwh | ED/Cess/Taxes Rate      | 0.050 Rs./kvah    |
| SAIL          | kwh                | ED Rate on APC          | 0.622 Rs./kwh     |
|               |                    | Energy Sched. for Benf. | 25,675,900.00 kwh |
|               |                    | ED/Cess/Taxes Amt.      | 1,283,795.00 Rs.  |
|               |                    | ED on APC Amt.          | 1,472,894.00 Rs.  |

| Final Previous Period     |                   |
|---------------------------|-------------------|
| Plant APC excl. Colony    | 31,827,680.00 kwh |
| Power factor              | 1.0000            |
| Applicable APC for ED     | 3,129,666.49 kwh  |
| Difference                | kwh               |
| App. APC ED (Curr. Bill)  | 2,463,599.37 kwh  |
| Power factor              | 1.0000            |
| App. APC ED (Rev. Period) | 3,129,666.49 kwh  |

| Adjustment due to Revised REA |                   |
|-------------------------------|-------------------|
| ECR-Rev Prev. Period          | 2.4010 Rs./kwh    |
| Sched. Energy (last bill)     | 31,858,625.00 kwh |
| Sched. Energy ( REA )         | 31,858,625.00 kwh |
| Diff. of Sched. Energy        | kwh               |
| Adj. due to Rev. Energy       | 0.00 Rs.          |

| Rebate & Surcharge Details |                   |
|----------------------------|-------------------|
| Cap. Charges Prev Period   | Rs.               |
| Energy Charges Prev Period | 76,237,690.63 Rs. |
| Other Adj. Prev Period     | 1.00 Rs.          |
| Total Applicable           | 76,237,691.63 Rs. |
| Rebate                     | %                 |
| Rebate Amount (-) (Rs.)    | Rs.               |
| Surcharge (+) (Rs.)        | 0.00 Rs.          |







CHHATTISGARH STATE POWER GENERATION COMPANY LIMITED  
(A Govt. of C.G. Undertaking)  
Office of the Executive Director (C&RA)

NO. 03-09/Bills-15/ 460

Raipur Dtd.

29-Jul-2022

To,

✓ The Executive Director (RA&PM)  
4<sup>th</sup> Floor Vidyut Seva Bhawan  
CSPDCL, Raipur

|                                      |          |
|--------------------------------------|----------|
| E. D.(R.A.&P.M.) C.S.P.D.C.L. Raipur |          |
| Letter Receipt                       |          |
| No.                                  | 2881     |
| Date                                 | 29/07/22 |

**Sub: Fuel Cost Adjustment calculation for the 1st Bi-Monthly period of FY 2022-23.**

**Ref: 1) CSERC MYT Regulations 2021.**

2) CSERC tariff order dtd. 13/04/2022 read with detailed order dtd 28/04/2022

In compliance to the CSERC order referred above, please find enclosed FCA Calculation amounting to Rs. **-35,53,77,142** /- for the 1st Bi-Monthly period of FY 2022-23 (April-22 & May-22). As per CSERC order the above FCA amount shall be claimed in two installments w.e.f. **Sep-21**

SE(PM-1)  
A/B

*Recd*  
Executive Director (C&RA)  
CSPGCL: Raipur

Copy to :-

- 1 The Secretary, Chhattisgarh State Electricity Regulatory Commission, New Shanti Nagar Raipur. In compliance to directives given in tariff order dtd. 23/05/2015.
- 2 The E.D. (O&M:Gen) CSPGCL, Raipur
- 3 The E.D. (Fin) CSPGCL, Raipur
- 4 The C.E. (Fuel Mgmt.) CSPGCL, Raipur
- 5 The C.E.(EITC) CSPDCL, Raipur. Kindly upload the same in Company web site (cspc.co.in/cspgcl) under the link Fuel Cost Adjustment-1st Bi Monthly of FY 2022-23 (April-2022 & May-2022)
- 6 The S.O. to M.D. CSPGCL, Raipur
- 7 The S.O. to M.D. CSPDCL, Raipur
- 8 The Manager (B&CM) CSPGCL, Raipur

EE (RE) - 2/14  
*[Signature]*  
29-7-22

O.A. - B  
01/08/22

## Fuel Cost Adjustment calculation for the 1st Bi-Monthly period of FY 2022-23.

All Figures in Rs.

| Name of Plant | Apr-22               | May-22               | Total                |
|---------------|----------------------|----------------------|----------------------|
| HTPS          | -2,08,69,638         | -5,21,38,698         | -7,30,08,336         |
| DSPM TPS      | -7,66,31,586         | -3,53,42,688         | -11,19,74,274        |
| KW Extn       | -1,46,52,762         | -3,89,13,436         | -5,35,66,198         |
| ABVTPS        | -12,36,19,158        | 67,90,824            | -11,68,28,334        |
| <b>Total</b>  | <b>-23,57,73,144</b> | <b>-11,96,03,998</b> | <b>-35,53,77,142</b> |

(-) RUPEES THIRTY FIVE CRORES FIFTY THREE LAKHS SEVENTY SEVEN THOUSAND ONE HUNDRED FORTY TWO ONLY

As per CSERC order the above amount of FCA shall be claimed as mentioned below:-

| Month        | All Figures in Rs.  |                      |                     |                      |
|--------------|---------------------|----------------------|---------------------|----------------------|
|              | HTPS                | DSPM TPS             | KW Extn             | Total                |
| Sep-21       | -3,65,04,168        | -5,59,87,137         | -2,67,83,099        | -17,76,88,571        |
| Oct-21       | -3,65,04,168        | -5,59,87,137         | -2,67,83,099        | -17,76,88,571        |
| <b>Total</b> | <b>-7,30,08,336</b> | <b>-11,19,74,274</b> | <b>-5,35,66,198</b> | <b>-35,53,77,142</b> |

  
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FORMAT-I

Details/Information for Computation of Energy Charge Rates  
 Name of the Company : Chhattisgarh State Power Generation Company Limited  
 Name of the Power Station : Korba (West) Thermal Power Station - HTPS

|   | Description  | Unit      | Considered in Tariff order | For Month of April-22 | For Month of May-22 |
|---|--|-----------|----------------------------|-----------------------|---------------------|
| a | Quantity of Coal supplied by Coal/Lignite Company                    | (MMT)     |                            | 0.36891400            | 0.36750000          |
| b | Adjustment (+/-) in quantity supplied made by Coal Company           | (MMT)     |                            |                       |                     |
| c | Coal supplied by Coal Company (a+b)                                  | (MMT)     |                            | 0.368914              | 0.367500            |
| d | Normative Transit & Handling Losses                                  | %         | 0.20%                      | 0.20%                 | 0.20%               |
| e | Normative Transit & Handling Losses (cXd)                            | (MMT)     |                            | 0.000737828           | 0.000735000         |
| f | Net coal / Lignite Supplied (c-e)                                    | (MMT)     |                            | 0.368176              | 0.366765            |
| g | Amount charged by the Coal / Lignite Company                         | (Rs.)     |                            | 666562521.60          | 664007673.08        |
| h | Adjustment (+/-) in amount charged made by Coal/Lignite Company      | (Rs.)     |                            |                       |                     |
| i | Net amount charged for Coal (g+h)                                    | (Rs.)     |                            | 666562521.60          | 664007673.08        |
| j | Rate of Coal for the period Charged by Coal Company = $(i/(f*10^6))$ | Rs/MT     |                            | 1810.45               | 1810.44             |
| k | Rate of Bonus payable to Coal Company                                | Rs/MT     |                            |                       |                     |
| l | Net Rate of coal payable to coal company (j+k)                       | Rs/MT     | 1,810.44                   | 1810.45               | 1810.44             |
| m | Transportation Charge including Coal sampling charges                | Rs/MT     | 87.24                      | 87.24                 | 87.24               |
| n | Landed Price of Coal per MT (l+m)                                    | Rs./MT    | 1,897.68                   | 1,897.69              | 1,897.69            |
| o | Average GCV of coal as received                                      | (kCal/Kg) | 3,656.40                   | 3,787.00              | 4,063.00            |
| p | Normative SHR  | Kcal/ KWh | 2,650.00                   | 2,650.00              | 2,650.00            |
| q | Normative Specific Oil Consumption                                   | ml/ KWh   | 0.80                       | 0.80                  | 0.80                |
| r | GCV of Secondary Fuel (Oil)  | Kcal/ml   | 10.00                      | 10.00                 | 10.00               |
| s | Normative Auxiliary Consumption                                      | %         | 9.70%                      | 9.70                  | 9.70                |
| t | ECR for the Period= $((p-(qxr))/(o)*(n/1000))/(1-s)$                 | Rs/ KWh   |                            | 1.466                 | 1.367               |
| u | ECR as considered in Tariff order                                    | Rs/ KWh   | 1.519                      | 1.519                 | 1.519               |
| v | Change in ECR (t-u)  | Rs/ KWh   |                            | -0.053                | -0.152              |
| w | Scheduled Generation during the Period                               | KWh       |                            | 393766750             | 343017750           |
| x | FCA Claim for the Period (vXw)                                       | Rs        |                            | -2,08,69,638          | -5,21,38,698        |
|   |  |           |                            |                       |                     |

  
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FORMAT-I

Details/Information for Computation of Energy Charge Rates

Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : 1X500 MW Korba West Thermal Power Station (KWTPP)

|   | Description  | Unit      | Considered in Tariff order | For Month of April-22 | For Month of May-22 |
|---|--|-----------|----------------------------|-----------------------|---------------------|
| a | Quantity of Coal supplied by Coal/Lignite Company                        | (MMT)     |                            | 0.18170400            | 0.18100700          |
| b | Adjustment (+/-) in quantity supplied made by Coal Company               | (MMT)     |                            |                       |                     |
| c | Coal supplied by Coal Company (a+b)                                      | (MMT)     |                            | 0.181704              | 0.181007            |
| d | Normative Transit & Handling Losses                                      | %         | 0.20%                      | 0.20%                 | 0.20%               |
| e | Normative Transit & Handling Losses (cXd)                                | (MMT)     |                            | 0.000363408           | 0.000362014         |
| f | Net coal / Lignite Supplied (c-e)  | (MMT)     |                            | 0.181341              | 0.180645            |
| g | Amount charged by the Coal / Lignite Company                             | (Rs.)     |                            | 328307075.42          | 327047719.35        |
| h | Adjustment (+/-) in amount charged made by Coal/Lignite Company          | (Rs.)     |                            |                       |                     |
| i | Net amount charged for Coal (g+h)  | (Rs.)     |                            | 328307075.42          | 327047719.35        |
| j | Rate of Coal for the period Charged by Coal Company $= (i / (f * 10^6))$ | Rs/MT     |                            | 1810.44               | 1810.44             |
| k | Rate of Bonus payable to Coal Company                                    | Rs/MT     |                            |                       |                     |
| l | Net Rate of coal payable to coal compnay (j+k)                           | Rs/MT     | 1,810.44                   | 1810.44               | 1810.44             |
| m | Transportation Charge including Coal sampling charges                    | Rs/MT     | 87.24                      | 87.24                 | 87.24               |
| n | Landed Price of Coal per MT (l+m)  | Rs./MT    | 1,897.68                   | 1,897.68              | 1,897.68            |
| o | Average GCV of coal as received  | (kCal/Kg) | 3,656.40                   | 3,787.00              | 4,063.00            |
| p | Normative SHR  | Kcal/ KWh | 2,390.00                   | 2,390.00              | 2,390.00            |
| q | Normative Specific Oil Consumption                                       | ml/ KWh   | 0.50                       | 0.50                  | 0.50                |
| r | GCV of Secondary Fuel (Oil)  | Kcal/ml   | 10.00                      | 10.00                 | 10.00               |
| s | Normative Auxiliary Consumption  | %         | 5.25%                      | 5.25                  | 5.25                |
| t | ECR for the Period=<br>$((p-(qxr))/(o)*(n/1000))/(1-s)$                  | Rs/ KWh   |                            | 1.261                 | 1.176               |
| u | ECR as considered in Tariff order  | Rs/ KWh   | 1.306                      | 1.306                 | 1.306               |
| v | Change in ECR (t-u)  | Rs/ KWh   |                            | -0.045                | -0.130              |
| w | Scheduled Generation during the Period                                   | KWh       |                            | 325616937.5           | 299334125           |
| x | FCA Claim for the Period (vXw)   | Rs        |                            | -1,46,52,762          | -3,89,13,436        |
|   |  |           |                            |                       |                     |

  
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Details/Information for computation of Energy Charge Rates for FCA

Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : Dr. Shyama Prasad Mukharjee Thermal Power Station - DSPM TPS

|    | Description  | Unit      | Considered in Tariff order | For Month of April-22 | For Month of May-22 |
|----|--|-----------|----------------------------|-----------------------|---------------------|
| a  | Quantity of Coal supplied by Coal Company                                      | (MMT)     |                            | 0.09066120            | 0.24043472          |
| b  | Adjustment (+/-) in quantity supplied made by Coal Company                     | (MMT)     |                            |                       |                     |
| c  | Coal supplied by Coal Company (a+b)  | (MMT)     |                            | 0.09066120            | 0.24043472          |
| d  | Normative Transit & Handling Losses  | %         | 0.20%                      | 0.20%                 | 0.20%               |
| e  | Normative Transit & Handling Losses (cXd)                                      | (MMT)     |                            | 0.000181322           | 0.000480869         |
| f  | Net coal Supplied (c-e)  | (MMT)     |                            | 0.090479878           | 0.239953851         |
| g  | Amount charged by the Coal Company   | (Rs.)     |                            | 15,48,09,029.66       | 42,86,73,678.84     |
| h  | Adjustment (+/-) in amount charged made by Coal Company                        | (Rs.)     |                            |                       |                     |
| i  | Net amount Charged for Coal (g+h)  | (Rs.)     |                            | 15,48,09,029.66       | 42,86,73,678.84     |
| j  | Rate of Coal for the period $= (i/(f \times 10^6))$                            | Rs/MT     | 1,827.86                   | 1710.98               | 1786.48             |
| k  | Rate of Bonus payable to Coal Company  | Rs/MT     |                            |                       |                     |
| l  | Net Rate of coal payable (j+k)   | Rs/MT     |                            | 1710.98               | 1786.48             |
| m  | Transportation Cost Paid to railways   | Rs        |                            | 23,10,557.00          | 4,49,33,112.00      |
| n  | Transportation Charge rate paid to Railways $(m/(f \times 10^6))$              | Rs/MT     | 192.59                     | 25.54                 | 187.26              |
| o  | Other Charges including Coal sampling charges (per Ton) towards transportation | Rs/MT     | 11.44                      | 11.44                 | 11.44               |
| p  | Total per ton Transportation Charges (n+o)                                     | Rs./MT    | 204.03                     | 36.98                 | 198.70              |
| q  | Landed Price of Coal per MT ((l+p)   | Rs./MT    | 2,031.89                   | 1747.96               | 1985.18             |
| r  | Average GCV of coal / Lignite as recieved                                      | (kCal/Kg) | 3,269.32                   | 3,286.28              | 3,455.00            |
| s  | Normative SHR  | Kcal/ KWh | 2,430                      | 2,430                 | 2,430               |
| t  | Normative Specific Oil Consumption   | ml/ KWh   | 0.50                       | 0.50                  | 0.50                |
| u  | GCV of Secondary Fuel (Oil)  | Kcal/ml   | 10.00                      | 10.00                 | 10.00               |
| v  | Normative Auxiliary Consumption  | %         | 9.00%                      | 9.00                  | 9.00                |
| w  | ECR for the Period=<br>$((s-(t \times u))/(r) \times (q/1000))/(1-v)$          | Rs/ KWh   | 1.509                      | 1.417                 | 1.531               |
| x  | ECR as considered in Tariff order  | Rs/ KWh   | 1.656                      | 1.656                 | 1.656               |
| y  | Change in ECR (w-x)  | Rs/ KWh   |                            | -0.239                | -0.125              |
| z  | Scheduled Generation during the Period   | Kwh       |                            | 320634250             | 282741500           |
| aa | FCA Claim for the Period (yX z)  | Rs        |                            | -7,66,31,586          | -3,53,42,688        |
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**FORMAT-I**

Details/Information for computation of Energy Charge Rates for FCA

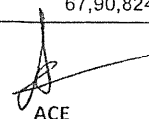
Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : Marwa Thermal Power Plant - ABVTPS ( consolidated => Gharghoda + Robertson )

|   | Month  | Unit      | Considered in Tariff order | For Month of April-22 | For Month of May-22 |
|---|--|-----------|----------------------------|-----------------------|---------------------|
| a | Quantity of Coal Transported by railway from Robertson siding  | (MMT)     | -                          | 0.08000475            | 0.05997027          |
| b | Quantity of Coal Transported by railway from Gharghoda siding  | (MMT)     | -                          | 0.20046085            | 0.25202447          |
| c | Total Coal transferred through rail ( a+b)                     | (MMT)     |                            | 0.28046560            | 0.31199474          |
| d | Per ton Transportation charges from Robertson siding           | Rs/MT     |                            | 1081.78               | 1086.37             |
| e | Per ton Transportation charges from Gharghoda siding           | Rs/MT     |                            | 997.42                | 1014.9              |
| f | Weighted average transportation rate of Coal $\{(aXd+bXe)/c\}$ | Rs/MT     |                            | 1021.48               | 1028.64             |
| g | Input Price of Coal at Mine End as per T.O.                    | Rs/MT     | 1,510.90                   | 1,510.90              | 1,510.90            |
| h | Other charges including Coal sampling Fee                      | Rs/MT     | 16.69                      | 16.69                 | 16.69               |
| i | Normative Transit Loss   | %         | 0.80%                      | 0.80%                 | 0.80%               |
| j | Net landed Cost of Coal $\{(f+g+h)/((1-i))\}$                  | Rs/MT     | 2,602.86                   | 2,569.63              | 2,576.84            |
| k | GCV of coal as received  | (kCal/Kg) | 3,628.91                   | 4116.00               | 3561.00             |
| l | Normative SHR  | Kcal/Kwh  | 2,390.00                   | 2,390.00              | 2,390.00            |
| m | Normative Specific Oil Consumption                             | ml/ KWh   | 0.50                       | 0.50                  | 0.50                |
| n | GCV of Secondary Fuel (Oil)                                    | Kcal/ml   | 10.00                      | 10.00                 | 10.00               |
| o | Normative Auxiliary Consumption                                | %         | 5.25%                      | 5.25                  | 5.25                |
| p | Coal ECR for the Period= $\{(l-mXn)/kX(j/1000)/(1-o)\}$        | Rs/ KWh   | 1.712                      | 1.571                 | 1.821               |
| q | Coal ECR as considered in Tariff order                         | Rs/ KWh   | 1.805                      | 1.805                 | 1.805               |
| r | Change in ECR (p-q)  | Rs/ KWh   |                            | -0.234                | 0.016               |
| s | Scheduled Generation during the Period                         | Kwh       |                            | 52,82,87,000          | 42,44,26,500        |
| t | FCA Claim for the Period (-Xs)                                 | Rs        |                            | -12,36,19,158         | 67,90,824           |

  
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Name of the Power Station : Marwa Thermal Power Plant - ABVTPS ( Robertson )

|   | Month  | Unit  | For Month of April-22 | For Month of May-22 |
|---|--|-------|-----------------------|---------------------|
| a | Quantity of Coal transferred by railway (RR quantity)                | MMT   | 0.08000475            | 0.05997027          |
| b | Transportation Cost Paid to railways                                 | Rs    | 19314796.00           | 15023301            |
| c | Transportation rate paid to Railways = b/a/10^6                      | Rs/MT | 241.42                | 250.51              |
| d | Road Transportation rate ( inclusive of price variaton aand GST@18%) | Rs/MT | 840.36                | 835.86              |
| e | Total Transportation rate (c+d)                                      | Rs/MT | 1081.78               | 1086.37             |

FORMAT-I

Name of the Power Station : Marwa Thermal Power Plant - ABVTPS ( Gharghoda )

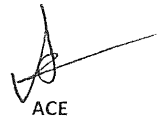
|   | Month  | Unit    | For Month of April-22 | For Month of May-22 |
|---|--|---------|-----------------------|---------------------|
| a | Quantity of Coal transferred by railway (RR quantity)                | MMT     | 0.20046085            | 0.25202447          |
| b | Transportation Cost Paid to railways                                 | Rs      | 84803848              | 111861590           |
| c | Transportation rate paid to Railways = b/a/10^6                      | ml/ KWh | 423.04                | 443.85              |
| d | Road Transportation rate ( inclusive of price variaton aand GST@18%) | ml/ KWh | 574.38                | 571.05              |
| e | Total Transportation rate (c+d)                                      | ml/ KWh | 997.42                | 1014.90             |

Note-

1. Values to be filled in shded cells only . Adjustment towards all other parameters shall be taken care of at the time of True Up.
2. Other cells carry either computed values or fixed values.
3. For computed values formula have been indicated in the partivulars column.
4. ECR to be worked out to third digit

  
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FORMAT-I

Details/Information for Computation of Energy Charge Rates for FCA for -- April ' 2022

the Company : Chhattisgarh State Power Generation Company Limited

of the Power Station : HASDEO THERMAL POWER STATION: Korba (West) (4x210MW)

|   | Month  | Unit      | Considered in<br>Tariff order | Apr-22          |
|---|--|-----------|-------------------------------|-----------------|
| a | Quantity of Coal / Lignite supplied by Coal/Lignite Company              | (MMT)     | -                             | 0.368914        |
| b | Adjustment (+/-) in quantity supplied made by Coal/Lignite Company       | (MMT)     | -                             | 0               |
| c | Coal supplied by Coal/Lignite Company (a+b)                              | (MMT)     | -                             | 0.368914        |
| d | Normative Transit & Handling Losses                                      | %         | 0.20%                         |                 |
| e | Normative Transit & Handling Losses (cXd)                                | (MMT)     | -                             |                 |
| f | Net coal / Lignite Supplied (c-e)  | (MMT)     | -                             |                 |
| g | Amount charged by the Coal / Lignite Company                             | (Rs.)     | -                             | 66,65,62,521.60 |
| h | Adjustment (+/-) in amount charged made by Coal/Lignite Company          | (Rs.)     | -                             |                 |
| i | Net amount Charged by Coal Company (g+h)                                 | (Rs.)     | -                             | 66,65,62,521.60 |
| j | Rate of Coal for the period Charged by Coal Company $= (i / (f * 10^6))$ | Rs/MT     |                               |                 |
| k | Rate of Bonus payable to Coal Company                                    | Rs/MT     |                               |                 |
| l | Net Rate of coal payable to coal company (j+k)                           | Rs/MT     | 1810.44                       |                 |
| m | Transportation Charge per Ton  | Rs/MT     | 87.24                         |                 |
| n | Landed Price of Coal per MT (l+m)  | Rs./MT    | 1897.68                       |                 |
| o | Average GCV of coal as Received  | (kCal/Kg) | 3656.4                        |                 |
| p | Normative SHR  | Kcal/ KWh | 2650                          |                 |
| q | Normative Specific Oil Consumption                                       | ml/ KWh   | 0.80                          |                 |
| r | GCV of Secondary Fuel (Oil)  | Kcal/ml   | 10                            |                 |
| s | Normative Auxiliary Consumption  | %         | 9.70                          |                 |
| t | ECR for the Period=<br>$((p-(qxr))/(0)*(n/1000))/(1-s)$                  | Rs/ KWh   |                               |                 |
| u | ECR as considered in Tariff order  | Rs/ KWh   | 1.519                         |                 |
| v | Change in ECR (t-u)  | Rs/ KWh   |                               |                 |
| w | Net Generation during the Period   | KWh       |                               |                 |
| x | FCA Claim for the Period (vXw)   | Rs        |                               |                 |

NOTE---

1. Values to be filled in shaded cells only . Adjustment towards all other parameters shall be taken care of at the time of True Up.
2. Other cells carry either computed values or fixed values.
3. For computed values formula have been indicated in the particulars column.
4. ECR to be worked out to third digit decimal.



Executive Engineer  
HTPS, CSPGCL, Korba West

FORMAT-I

Details/Information for Computation of Energy Charge Rates for FCA for -- April ' 2022


Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : HASDEO THERMAL POWER STATION: Korba (West) (1x500MW)

|   | Month  | Unit      | Considered in<br>Tariff order | Apr-22          |
|---|--|-----------|-------------------------------|-----------------|
| a | Quantity of Coal / Lignite supplied by Coal/Lignite Company              | (MMT)     | -                             | 0.181704        |
| b | Adjustment (+/-) in quantity supplied made by Coal/Lignite Company       | (MMT)     | -                             | 0               |
| c | Coal supplied by Coal/Lignite Company (a+b)                              | (MMT)     | -                             | 0.181704        |
| d | Normative Transit & Handling Losses                                      | %         | 0.20%                         |                 |
| e | Normative Transit & Handling Losses (cXd)                                | (MMT)     | -                             |                 |
| f | Net coal / Lignite Supplied (c-e)  | (MMT)     | -                             |                 |
| g | Amount charged by the Coal / Lignite Company                             | (Rs.)     | -                             | 32,83,07,075.42 |
| h | Adjustment (+/-) in amount charged made by Coal/Lignite Company          | (Rs.)     | -                             | -               |
| i | Net amount Charged by Coal Company (g+h)                                 | (Rs.)     | -                             | 32,83,07,075.42 |
| j | Rate of Coal for the period Charged by Coal Company $= (i / (f * 10^6))$ | Rs/MT     |                               |                 |
| k | Rate of Bonus payable to Coal Company                                    | Rs/MT     |                               |                 |
| l | Net Rate of coal payable to coal compnay (j+k)                           | Rs/MT     | 1810.44                       |                 |
| m | Transportation Charge per Ton  | Rs/MT     | 87.24                         |                 |
| n | Landed Price of Coal per MT (l+m)  | Rs./MT    | 1897.68                       |                 |
| o | Average GCV of coal as received  | (kCal/Kg) | 3656.40                       |                 |
| p | Normative SHR  | Kcal/ KWh | 2390                          |                 |
| q | Normative Specific Oil Consumption                                       | ml/ KWh   | 0.5                           |                 |
| r | GCV of Secondary Fuel (Oil)  | Kcal/ml   | 10                            |                 |
| s | Normative Auxiliary Consumption  | %         | 5.25                          |                 |
|   | ECR for the Period=<br>$((p - (q * r)) / (o * (n / 1000)) / (1 - s))$    | Rs/ KWh   |                               |                 |
| u | ECR as considered in Tariff order  | Rs/ KWh   | 1.306                         |                 |
| v | Change in ECR (t-u)  | Rs/ KWh   |                               |                 |
| w | Net Generation during the Period   | KWh       |                               |                 |
| x | FCA Claim for the Period (vXw )  | Rs        |                               |                 |

NOTE---

1. Values to be filled in shded cells only . Adjustment towards all other parameters shall be taken care of at the time of True Up.
2. Other cells carry either computed values or fixed values.
3. For computed values formula have been indicated in the particulars column.
4. ECR to be worked out to third digit decimal.

  
 Executive Engineer  
 HTPS, CSPGCL, Korba West