

O/o E.D. (EITC)  
 CSPDCL Raipur  
 Date: 15 DEC 2022  
 SE (O) SE - Billing

**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/ 2144 Raipur, Date 15-12-22

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


Sub: Computation of VCA charge in respect of 3<sup>rd</sup> bi-monthly period of FY 2022-23 (Aug'2022 & Sep'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 3<sup>rd</sup> bi-monthly period of FY 2022-23 (Aug'2022 & Sep'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. 1.10 per unit

These VCA charges are recoverable from electricity consumers for the consumption in the months of December'2022 and January'2023 payable in the months of January'2023 and February'2023 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  
 EE/AE (O) please ensure to Mark this letter to ACEE III (DGM LIT) SECUREB) (SE II) every Fri time of VCA charges.  
 Tripathi  
 20.12.22  
 Sec Billing

For Postment  
 EA - Billing  
 EA - Spot Billing  
 16/12  
 AE (O)

Not in original: -

Copy to:

- 1) The Executive Director (EITC), CSPDCL, Raipur: For favour of information and with advise to make all arrangements in SAP system to bill all HT/LT consumers at the prescribed VCA rates for the consumption in the months of December'2022 and January'2023 payable in the months of January'2023 and February'2023 respectively. It is further advised to display the computation sheet as well as VCA rates in Company's website immediately for wide publicity and make all arrangements to display the same till truing-up of ARR of FY 2022-23 completes.
- 2) The Executive Director (O&M) CSPDCL, Raipur.
- 3) The Executive Director (BR)/(RJN-R)/(JR)/(RCR)/ (RGR-R) CSPDCL Bilaspur/Rajnandgaon/Jagdapur/Raipur/Raigarh.
- 4) The Chief Engineer (Rev.)/(AR)/(DR)/(RRR) CSPDCL, Raipur/Ambikapur/Durg.
- 5) The Superintending Engineer (O&M)/(City Circle)/(MT) CSPDCL Raipur I/II, Mahasamund/Balodabazar/Durg/Bilaspur/Raigarh/Janjgir-Champa/Korba/Jagdapur/Kanker/Rajnandgoan/Ambikapur/Kawardha/Baikunthpur.
- 6) The Executive Engineer (AMR Cell) CSPDCL, Raipur.
- 7) The Sr. Accounts Officer I/II, CSPDCL, Raipur/Bilaspur/Durg/Ambikapur/Jagdapur/Rajnandgoan/Champa.

### Computation of VCA Charges (3rd bi-monthly period of FY 2022-23)

#### (A) CHFC: -

Month	HTPS	DSPM TPS	Korba(W) Extn.	MTTPS	Total Amt.in Rs.
Aug-22	-11,82,71,692	-2,03,84,007	-3,77,08,523	2,12,81,645	<b>-15,50,82,577</b>
Sep-22	-5,64,21,428	-6,89,22,084	-3,77,32,640	5,30,65,744	<b>-11,00,10,408</b>
<b>Total in Rs.</b>	<b>-17,46,93,120</b>	<b>-8,93,06,091</b>	<b>-7,54,41,163</b>	<b>7,43,47,389</b>	<b>-26,50,92,985</b>

#### (B) CHPP:

- (i) Total units purchased from all sources (excluding CSPGCL thermal stations) : 3619.62 MU
- (ii) Amount paid against units purchased : Rs. 1725.61 Cr.
- (iii) Rate per unit : Rs. 4.77 /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. 1.59/KWh
- (vi) CHPP (in Rs.) (i)x(v) : Rs. 575,51,95,800
- C. Gross VCA (A+B) in Rs : Rs. 549,01,02,815
- D. Total quantum of power purchased during the period : 589,93,20,990 Kwh
- E. Quantum of power purchased for sale to retail consumers of the State : 579,47,08,990 KWh
- F. Allowable VCA (in Rs.)[C\*(E/D)] : Rs. 539,27,47,435
- G. Normative transmission & distribution losses as specified in Tariff order : 15.62%
- H. Allowable VCA Charges(Rs./Kwh) (F/E\*(1-G)) : Rs. 1.10 per KWh

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

1. All categories Rs. 1.10 per unit

To be recovered from energy bill for the consumption in the months of December'2022 and January'2023 payable in the months of January'2023 and February'2023 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 Aug'2022 & Sep'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)
<b>A</b>	<b>Central Generating Stations</b>						
1	NTPC	14008.29	4442.42	3.17	2593.22	1280.46	4.94
2	NTPC-SAIL	271.13	100.27	3.70	49.44	24.04	4.86
3	NPC Limited	295.36	95.24	3.22	64.20	21.84	3.40
4	Others	550.89	409.14	7.43	95.05	42.47	4.47
5	Unschedule Power (within State)				0	0	-
6	NVVN Coal Power				30.12	14.10	4.68
<b>B</b>	<b>CSPGCL</b>						
1	CSPGCL- (Renewables + Hasdeo Bango)	372.58	69.61	1.87	87.39	35.14	4.02
<b>C</b>	<b>Purchase from Traders, IPPs and other sources</b>						
1	Short term Power Purchase (including Net power purchase from IEX)	0	0	-	25.82	39.63	15.35
2	Concessional Power	2395.56	444.52	1.86	265.77	49.42	1.86
3	Border Village Power Purchase				0.30	0.26	8.66
<b>D</b>	<b>Purchase from Renewable Sources</b>						
1	Biomass	886.58	610.52	6.89	55.38	40.08	7.24
2	Solar	1994.01	498.5	2.50	166.40	65.03	3.91
3	Hydel/Other RE	464.72	158.47	3.41	186.52	113.13	6.07
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>3619.62</b>	<b>1725.61</b>	<b>4.77</b>

Tariff Diff. 1.59 Rs./kwh  
CHPP Rs. 5,75,51,95,800.00

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✓ NTPC  
NTPC-SAIL  
412.32  
38.00  
+ 450.00

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### Computation of Qpp and Qrs (3rd Bi-monthly of FY 2022-23)

S No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	$Q_1$	2286558438	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations(Bango)	$Q_2$	72617487	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations(Small Hydel Station of CSPGCL + CoGen Kawardha)	$Q_3$	14775411	KwH
4	Quantum of scheduled power purchased from CGs	$Q_4$	3217164001	KwH
5	PGCIL actual losses for the bi-monthly period	L1	3.33%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L1)$	3110032440	KwH
7	Quantum of actual power purchased from Renewable energy Sources	$Q_6$	288948359	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)	$Q_8$	130432000	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery (IEX)	$Q_9=Q_8(1-L1)$	126088614	KwH
11	Quantum of power purchased from other Sources(if any)(Short term + Border Village+Un schduled)	$Q_{10}$	300241	KwH
12	Total Quantum of power purchased	$Q_{PP}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	5899320990	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)	$Q_{PT}$	104612000	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{PP}-Q_{PT}$	5794708990	KwH

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Computation of VCA (3rd Bi-monthly period of FY 2022-23)

S.No.	Particulars			
1	CHFC		Rs.	-265092985
2	CHPP		Rs.	5755195800
3	Gross VCA (sub total in Rs.)	CHFC+CHPP	Rs.	5490102815
4	Allowable VCA (in Rs.)	Gross VCA (in Rs.) $\times$ $\frac{Q_{RS}}{Q_{PP}}$	Rs.	5392747435
5	Allowable VCA (in Rs/Kwh)	Allowable VCA (in Rs.)/[Qrs*(1-L)]	Rs./Kwh	1.10

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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)

322

CIN : U74899DL1999PLC098274, GSTIN : 22AABCN5467A1ZX, HSN : 27160000  
Energy Bill : 01.09.2022 - 30.09.2022  
Bill Date : 05.10.2022  
Bill No. 6300320  
Beneficiary Name : Chhatisgarh State Power  
GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	%	Energy Schd.	23,159,998.00 kwh
NAPAF	85.000 %		
<b>Energy Charge Rate (ECR)</b>		$(GHR - SEC \times CVSF) \times LPPF / CVPF + SEC \times LPSFI - LC \times LPI \times 100 / (100 - AUX)$	
ECR	3.1410 Rs/kwh		
<b>Base Values</b>		<b>Month Values</b>	
AUX	9.000 %	CVSF	9.9420 Kcal/ml
GHR	2415.000 KCAL/kwh	LPPF	3.9045 Rs/Kg
SEC	0.500 mL/kwh	CVPF	3408.250 KCal/Kg
		LPSFI	054299 Rs/ml
<b>ED/Cess on APC</b>		<b>ED Duty on Cess/Taxes</b>	
Total SG for Station	263,240,049.00 kwh	ED/Cess/Taxes Rate	0.050 Rs./kwh
SAIL TEED	kwh	ED Rate on APC	0.622 Rs./kwh
		Energy Schd. for Benef.	23,159,998.00 kwh
		ED/Cess/Taxes Amt.	1,158,000.00 Rs
		ED on APC Amt.	1,380,632.00 Rs
<b>Bill Period</b>		<b>Bill Revisions</b>	
APC excl. Colony Cons.	25,734,024.00 kwh	Plant APC excl. Colony	28,708,521.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	2,264,092.97 kwh	Applicable APC for ED	2,395,631.20 kwh
<b>Provisional Previous Period</b>		<b>Difference</b>	
APC excl. Colony	30,198,977.00 kwh	Appl. APC ED (Curr. Bill)	2,139,260.37 kwh
Power factor	1.0000		
Appl. APC for ED	2,520,443.80 kwh		
<b>Adjustment due to Revised ECR</b>		<b>Adjustment due to Revised REA</b>	
EGR Prev. Period	3.1510 Rs./kwh	EGR-Rev. Prev. Period	3.0750 Rs./kwh
EGR-Rev. Prev. Period	3.0750 Rs./kwh	Schd. Energy (last bill)	26,284,381.00 kwh
Difference	0.076 Rs./kwh	Schd. Energy ( REA )	26,284,381.00 kwh
Energy Schd. Prev. Period	26,284,381.00 kwh	Diff. of Sched. Energy	kwh
Oth Adj due to EGR Rev.	1,997,612.96 Rs.	Adj. due to Rev. Energy	0.00 Rs
<b>Other Charges</b>		<b>Rebate &amp; Surcharge Details</b>	
WRLDC fees & charges amt	17,090.00 Rs.	Cap. Charges Prev. Period	Rs
Uldc charges	0.00 Rs.	Energy Charges Prev. Period	82,822,086.53 Rs
Poc charges (BSP)	0.00 Rs.	Other Adj. Prev. Period	1.00 Rs
Tariff filling fee	0.00 Rs.	Total Applicable	82,822,086.53 Rs
Miscellaneous charges	0.00 Rs.	Rebate	%
Total Other Charges billed	17,089.50 Rs.	Rebate Amount (-) (Rs.)	Rs
		Surcharge (+) (Rs.)	0.00 Rs

संकेत : 011-26717376-79-80-82, 26172273/ Fax: 011- 26717364, 26717365, 26717366, 26717381  
Registered Corporate Office: 4<sup>th</sup> Floor, NBCC Tower, 15 Bhikai 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)

326

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CIN : U74899DL1999PLC098274, GSTIN : 22AABCN5467A1ZX, HSN : 27160000  
Energy Bill : 01.08.2022 - 31.08.2022  
Bill Date : 03.09.2022  
Bill No. 6300319  
Beneficiary Name : Chhatisgarh State Power  
GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	%	Energy Schd.	26,284,381.00 kwh
NAPAF	85.000 %		

Energy Charge Rate (ECR)		(GHR - SFC x CVSF) x LPPF / CVPF + SFC x LPSFI + LC x LPL x 100 / (100 - AIX)	
ECR	3.1510 Rs/kwh		
Base Values		Month Values	
AUX	9.000 %	CVSF	9.8060 Kcal/ml
GHR	2415.000 kCAL/kwh	LPPF	3.7192 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3240.171 kCal/Kg
		LPSFI	.054525 Rs/ml

ED / Cess on APC		ED Duty on Cess/Taxes	
Total SG for Station	314,929,227.00 kwh	ED/Cess/Taxes Rate	Rs./kwh
SAIL TEED	kwh	ED Rate on APC	0.622 Rs./kwh
		Energy Schd. for Benf.	26,284,381.00 kwh
		ED/Cess/Taxes Amt.	1,314,219.00 Rs.
		ED on APC Amt.	1,567,716.00 Rs.

Provisional Bill Period		Final Previous Period	
APC excl. Colony Cons.	30,198,977.00 kwh	Plant APC excl. Colony	30,186,739.51 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	2,520,443.80 kwh	Applicable APC for ED	2,327,913.79 kwh

Provisional Previous Period		Difference	
APC excl. Colony	30,186,740.00 kwh	Appl. APC ED (Curr. Bill)	2,520,443.77 kwh
Power factor	1.0000		
Appl. APC for ED	2,327,913.82 kwh		

Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	3.2740 Rs./kwh	ECR-Rev Prev. Period	3.2290 Rs./kwh
ECR-Rev. Prev. Period	3.2290 Rs./kwh	Schd. Energy (last bill)	25,516,500.00 kwh
Difference	0.045- Rs./kwh	Schd. Energy ( REA )	25,516,500.00 kwh
Energy Schd Prev Period	25,516,500.00 kwh	Diff. of Sched. Energy	kwh
Oth Adj due to ECR Rev.	1,148,242.50- Rs.	Adj. due to Rev. Energy	0.00 Rs.

Other Charges		Rebate & Surcharge Details	
WRLDC fees & charges amt.	14,950.00 Rs.	Cap. Charges Prev Period	Rs.
Uldc charges	0.00 Rs.	Energy Charges Prev Period	83,541,020.00 Rs.
Poc charges (BSP)	0.00 Rs.	Other Adj. Prev Period	1.00 Rs.
Tariff filling fee	0.00 Rs.	Total Applicable	83,541,021.00 Rs.
Miscellaneous charges	0.00 Rs.	Rebate	%
Total Other Charges billed	14,950.00 Rs.	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)

सी एस पी जी सी एल  
CSPGCL

NO. 03-09/ Bills-15/ 703

Raipur Dtd.

25-Nov-2022

To,

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

E. D. (RA&PM) CSPDCL Raipur	
Letter Receipt	
No.	6103
Date	28/11/22

**Sub: Fuel Cost Adjustment calculation for the 3rd 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. **-26,50,92,985** /- for the 3rd Bi-Monthly period of FY 2022-23 (Aug-22 & Sept-22). As per CSERC order the above FCA amount shall be claimed in two installments w.e.f. **Jan-23**

SR (PM) I  
28/11/22

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. (Fin) CSPGCL, Raipur
- 3 The C.E. (Fuel Mgmt.) CSPGCL, Raipur
- 4 The E.D.(O&M) CSPGCL Raipur. Kindly upload the same in Company web site ([cspc.co.in/cspgcl](http://cspc.co.in/cspgcl)) under the link Fuel Cost Adjustment-3rd Bi Monthly of FY 2022-23 (Aug-2022 & Sep-2022)
- 5 The S.O. to M.D. CSPGCL, Raipur
- 6 The S.O. to M.D. CSPDCL, Raipur
- 7 The Manager (B&CM) CSPGCL, Raipur

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## Fuel Cost Adjustment calculation for the 3rd Bi-Monthly period of FY 2022-23.

All Figures in Rs.

Name of Plant	Aug-22	Sep-22	Total
HTPS	-11,82,71,692	-5,64,21,428	-17,46,93,120
DSPM TPS	-2,03,84,007	-6,89,22,084	-8,93,06,091
KW Extn	-3,77,08,523	-3,77,32,640	-7,54,41,163
ABVTPS	2,12,81,645	5,30,65,744	7,43,47,389
<b>Total</b>	<b>-15,50,82,577</b>	<b>-11,00,10,408</b>	<b>-26,50,92,985</b>

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

All Figures in Rs.

Month	HTPS	DSPM TPS	KW Extn	ABVTPS	Total
Jan-23	-8,73,46,560	-4,46,53,046	-3,77,20,582	3,71,73,695	-13,25,46,493
Feb-23	-8,73,46,560	-4,46,53,045	-3,77,20,581	3,71,73,694	-13,25,46,492
<b>Total</b>	<b>-17,46,93,120</b>	<b>-8,93,06,091</b>	<b>-7,54,41,163</b>	<b>7,43,47,389</b>	<b>-26,50,92,985</b>

  
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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 August-22	For Month of September-22
a	Quantity of Coal supplied by Coal/Lignite Company	(MMT)		0.381818000	0.297143000
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)			
c	Coal supplied by Coal Company (a+b)	(MMT)		0.381818000	0.297143
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000763636	0.000594286
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.381054364	0.296548714
g	Amount charged by the Coal / Lignite Company	(Rs.)		689877773.26	540940986.94
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-111891552.98	-49949370.9
i	Net amount charged for Coal (g+h)	(Rs.)		577986220.28	490991616.04
j	Rate of Coal for the period Charged by Coal Company = $(i/(f*10^6))$	Rs/MT		1516.81	1655.69
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	1516.81	1655.69
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	1,604.05	1,742.93
o	Average GCV of coal as received	(kCal/Kg)	3,656.40	3,736.00	3,703.00
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		1.256	1.377
u	ECR as considered in Tariff order	Rs/ KWh	1.519	1.519	1.519
v	Change in ECR (t-u)	Rs/ KWh		-0.263	-0.142
w	Scheduled Generation during the Period	KWh		449702250	397334000
x	FCA Claim for the Period (vXw)	Rs		-11,82,71,692	-5,64,21,428

  
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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 August-22	For Month of September-22
a	Quantity of Coal supplied by Coal/Lignite Company	(MMT)		0.188059000	0.146354000
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)			
c	Coal supplied by Coal Company (a+b)	(MMT)		0.188059000	0.146354000
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000376118	0.000292708
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.187682882	0.146061292
g	Amount charged by the Coal / Lignite Company	(Rs.)		339789439.44	266433593.25
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-55110764.85	-24544548.49
i	Net amount charged for Coal (g+h)	(Rs.)		284678674.59	241889044.76
j	Rate of Coal for the period Charged by Coal Company = (i/(f*10^6))	Rs/MT		1516.81	1656.08
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	1516.81	1656.08
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	1,897.58	1,604.05	1,743.32
o	Average GCV of coal as received	(kCal/Kg)	3,656.40	3,736.00	3,703.00
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= ((p-(qxr))/(o)*(n/1000))/(1-s)	Rs/ KWh		1.081	1.185
u	ECR as considered in Tariff order	Rs/ KWh	1.306	1.306	1.306
v	Change in ECR (t-u)	Rs/ KWh		-0.225	-0.121
w	Scheduled Generation during the Period	KWh		167593437.5	311840000
x	FCA Claim for the Period (vXw)	Rs		-3,77,08,523	-3,77,32,640

  
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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 August-22	For Month of September-22
a	Quantity of Coal supplied by Coal Company	(MMT)		0.169424330	0.169338740
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)			
c	Coal supplied by Coal Company (a+b)	(MMT)		0.169424330	0.169338740
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000338849	0.000338677
f	Net coal Supplied (c-e)	(MMT)		0.169085481	0.169000063
g	Amount charged by the Coal Company	(Rs.)		29,81,12,033.73	29,99,83,585.08
h	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)		61,94,547.26	-2,06,27,014.27
i	Net amount Charged for Coal (g+h)	(Rs.)		30,43,06,580.99	27,93,56,570.81
j	Rate of Coal for the period $= (i / (f \times 10^6))$	Rs/MT	1,827.86	1799.72	1653.00
k	Rate of Bonus payable to Coal Company	Rs/MT			
l	Net Rate of coal payable (j+k)	Rs/MT		1799.72	1653.00
m	Transportation Cost Paid to railways	Rs		2,08,10,979.00	3,20,99,641.00
n	Transportation Charge rate paid to Railways $(m / (f \times 10^6))$	Rs/MT	192.59	123.08	189.94
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	134.52	201.38
q	Landed Price of Coal per MT ((l+p)	Rs./MT	2,031.89	1934.24	1854.38
r	Average GCV of coal / Lignite as recieved	(kCal/Kg)	3,269.32	3,406.88	3,494.00
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 = $((s - (t \times u)) / (r) * (q / 1000)) / (1 - v)$	Rs/ KWh	1.509	1.513	1.414
x	ECR as considered in Tariff order	Rs/ KWh	1.656	1.656	1.656
y	Change in ECR (w-x)	Rs/ KWh		-0.143	-0.242
z	Scheduled Generation during the Period	Kwh		142545500	284802000
aa	FCA Claim for the Period (yX z)	Rs		-2,03,84,007	-6,89,22,084

  
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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 =&gt; Gharghoda + Robertson )

	Month	Unit	Considered in Tariff order	For Month of August-22	For Month of September-22
a	Quantity of Coal Transported by railway from Robertson siding	(MMT)	-	0.089943830	0.070465368
b	Quantity of Coal Transported by railway from Gharghoda siding	(MMT)	-	0.132126300	0.146674679
c	Total Coal transferred through rail ( a+b)	(MMT)		0.222070130	0.217140047
d	Per ton Transportation charges from Robertson siding	Rs/MT		1101.97	1081.79
e	Per ton Transportation charges from Gharghoda siding	Rs/MT		984.3	999.04
f	Weighted average transportation rate of Coal $\{(aXd+bXe)/c\}$	Rs/MT		1031.96	1025.89
g	Input Price of Coal at Mine End as per T.O.	Rs/MT	1,510.90	1,510.50	1,510.90
h	Other charges including Coal sampling Fee	Rs/MT	16.69	16.59	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	2,580.19	2,574.07
k	GCV of coal as received	(kCal/Kg)	3,628.91	3451.00	3221.00
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	1.882	2.012
q	Coal ECR as considered in Tariff order	Rs/ KWh	1.805	1.805	1.805
r	Change in ECR (p-q)	Rs/ KWh		0.077	0.207
s	Scheduled Generation during the Period	Kwh		27,63,85,000	25,63,56,250
t	FCA Claim for the Period (rXs)	Rs		2,12,81,645	5,30,65,744


  
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**FORMAT-I**

**Details/Information for Computation of Energy Charge Rates**

of the Company : Chhattisgarh State Power Generation Company Limited


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

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	Month	Unit	Considered in Tariff order	For Month of August-2022
a	Quantity of Coal supplied by Coal Company	(MMT)	-	0.381818
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)	-	0
c	Coal supplied by Coal Company (a+b)	(MMT)	-	0.381818
d	Normative Transit & Handling Losses	%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)	-	
f	Net coal Supplied (c-e)	(MMT)	-	
g	Amount charged by the Coal Company	(Rs.)	-	68,98,77,773.26
h1	Adjustment (+/-) in amount charged made by Coal Company ( Supplementary Bill Amount)	(Rs.)	-	2,39,58,902.91
h2	Adjustment (+/-) in amount charged made by Coal Company ( Credit Note Amount)	(Rs.)	-	(13,58,50,455.89)
i	Net amount Charged by Coal Company (g+h)	(Rs.)	-	57,79,86,220.28
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 including coal sampling charges	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	Coal ECR for the Period= $((p-(qxr))/(0)*(n/1000)/(1-s))$	Rs/ KWh		
u	Coal ECR as considered in Tariff order	Rs/ KWh	1.519	
v	Change in ECR (t-u)	Rs/ KWh		
w	Schedule Generation during the Period	KWh		50,40,96,138
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

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FORMAT-I

Details/Information for Computation of Energy Charge Rates

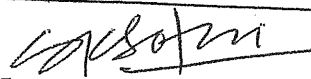
Name of the Company : Chhattisgarh State Power Generation Company Limited

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

	Month	Unit	Considered in Tariff order	For Month of August-2022
a	Quantity of Coal supplied by Coal Company	(MMT)	-	0.188059
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)	-	0
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)	-	0.188059
d	Normative Transit & Handling Losses	%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)	-	
f	Net coal Supplied (c-e)	(MMT)	-	
g	Amount charged by the Coal Company	(Rs.)	-	33,97,89,439.44
h1	Adjustment (+/-) in amount charged made by Coal Company ( Supplymentary Bill Amount)	(Rs.)	-	1,18,00,653.65
h2	Adjustment (+/-) in amount charged made by Coal Company (Credit Note Amount)	(Rs.)	-	(6,69,11,418.50)
i	Net amount Charged by Coal Company (g+h)	( Rs.)	-	28,46,78,674.59
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 including coal sampling charges	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	
t	Coal ECR for the Period= $((p-(qxr))/(0)*(n/1000)/(1-s))$	Rs/ KWh		
u	Coal ECR as considered in Tariff order	Rs/ KWh	1.306	
v	Change in ECR (t-u)	Rs/ KWh		
w	Schedule Generation during the Period	KWh		17,75,05,000
x	FCA Claim for the Period (vXw)	Rs		

NOTE--

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 Executive Engineer  
 HTPS, CSPGCL, Korba West