

Computation of VCA Charges (1st 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	-23,57,73,144
May-22	-5,21,38,698	-3,53,42,688	-3,89,13,436	67,90,824	-11,96,03,998
Total in Rs.	-7,30,08,336	-11,19,74,274	-5,35,66,198	-11,68,28,334	-35,53,77,142

(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.

Baello

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	Central Generating Stations						
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	CSPGCL						
1	CSPGCL- (Renewables + Hasdeo Bango)	372.58	69.61	1.87	56.36	14.88	2.64
C	Purchase from Traders, IPPs and other sources						
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	Purchase from Renewable Sources						
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	-	-	-
	Total	22445.26	7130.23	3.18	3044.40	1222.03	4.01

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

Baell

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.) $\times Q_{RS}/Q_{PP}$	Rs.	2075233614
5	Allowable VCA (in Rs/Kwh)	Allowable VCA (in Rs.)/[Qrs*(1-L)]	Rs./Kwh	0.42

Baello

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	L_1	3.28%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5 = Q_4(1-L_1)$	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)	$Q_9 = Q_8(1-L_1)$	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

Boell



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)		$((GHR - SFC \times CVSF) \times LPPF / CVPF + SFC \times LPSFI + LC \times LPL) \times 100 / (100 - ATIX)$	
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/Tax 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		

Signal Revised ECR		Adjustment due to Revised REA	
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
OTH 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 charges	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.
Terminaling fee	220,000.00 Rs.	Total Applicable	79,239,988.37 Rs.
Miscellaneous charges	0.00 Rs.	Rebate	%
Total Other Charges billed	234,085.00 Rs.	Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.

पंजीकृत कार्यालय : राष्ट्रीय पावर, एनटीपीसी-सेल, 15, भिकाजी कामा प्लेस, नई दिल्ली - 110066

फोन : 011-26717378-79-80-82, 26712273/ Fax: 011-26717364, 26717365, 26717366, 26717381
Registered Corporate Office: 4th 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)

पत्र संख्या: NTPC/11/39/11/88274, GSTIN: 22AABCN5467A1ZX, HSN: 27160000

बिल संख्या: 1126, दिनांक: 22/05/22

बिल मूल्य: ₹ 1,40,800

बिल का प्रकार: 11. बंगलूरु पावर

बिल का प्रकार: 11. बंगलूरु पावर

Billing Data		Beneficiary Data	
Energy	100.6519 %	Energy Sched.	25,675,900.00 kwh
Loss	85.000 %		

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

ECR Charge on PC		ED Duty on Cess/Taxes	
Total Energy	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.

ECR Charge on PC		Final Previous Period	
APC	30,308,019.00 kwh	Plant APC excl. Colony	31,827,680.00 kwh
Power factor	1.0000	Power factor	1.0000
ECR	2,463,599.37 kwh	Applicable APC for ED	3,129,666.49 kwh
		Difference	kwh
APC	31,827,680.00 kwh	Appl. APC ED (Curr. Bill)	2,463,599.37 kwh
Power factor	1.0000		
ECR	3,129,666.49 kwh		

ECR Charge on PC		Adjustment due to Revised REA	
ECR	2.3930 Rs./kwh	ECR-Rev Prev. Period	2.4010 Rs./kwh
ECR	2.4010 Rs./kwh	Sched. Energy (last bill)	31,858,625.00 kwh
Diff.	0.008 Rs./kwh	Sched. Energy (REA)	31,858,625.00 kwh
Energy Sched. Prev Period	31,858,625.00 kwh	Diff. of Sched. Energy	kwh
OD	254,869.00 Rs.	Adj. due to Rev. Energy	0.00 Rs.

Cap. Charges		Rebate & Surcharge Details	
WIP	14,081.00 Rs.	Cap. Charges Prev Period	Rs.
UP	0.00 Rs.	Energy Charges Prev Period	76,237,690.63 Rs.
Pre	0.00 Rs.	Other Adj. Prev Period	1.00 Rs.
Tax	0.00 Rs.	Total Applicable	76,237,691.63 Rs.
Min	0.00 Rs.	Rebate	%
Total Other Charges	14,080.80 Rs.	Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.

बिल का प्रकार: 11. बंगलूरु पावर

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CUSTOMER: CSEB																		
PARTICULARS	KSPTS	KSPTS1	KSPTS2	KSPTS3	KSPTS4	KSPTS5	KGPS	JGPS	SPAT1	SPAT2	KSPTS6	SLP	KSPTS 2	RSTPS	GSTPS	LARA	KSPTS7	AMT(R)
Energy scheduled (KWH)	14035403	50581406	0	0	70502644	4221249	27617	614	67036343	103801951	43789310	0	17234155	0	0	436047625	233483	
Energy Charges (Rs.)	136107	133100	15250	14690	14570	14390	40453	APM : 25122 RONG : 16871 RUC : 11616 MAM : 24641	13570	14430	10840	40560	31570	0	332000	208600	351400	
01. Capacity Charges	88911384	58864338	0	0	63966154	5887385	53562	0	9233119	113801541	20585493	43100	0	19012365	0	0	768281766	447143
02.a. Energy Charges	191035762	67273270	0	0	102722352	60714156	111711	0	93733591	149786215	17492425	122727	0	54408231	0	0	910467441	820459
03. Incentive	10562937	3564922	0	0	5383089	3324523	0	0	0	6914435	0	709	0	36213	0	0	0	0
04.a. EDC/Chgs on APC	12163398	4830668	0	0	4385507	2529351	0	0	13202389	10379429	0	0	0	0	0	4814542	40278367	1946323
04.b. EDC/Chgs on Sales	17780361	7786097	0	0	0	0	0	0	20876133	16395386	0	0	0	0	0	66563176	0	131424153
05. EC Revisions	321858842	142573995	0	0	178357102	123515795	165273	0	220743832	297279007	38047918	166536	0	73456810	0	4814542	1787616150	3214425
06. RUC Charges Mar-2022	59139	21121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07. Compensation Apr-2022	0	0	0	0	29570	17615	14899	0	0	0	0	0	0	0	0	0	0	0
08. RTM Oil Sharing Apr-2022	0	0	0	0	0	0	0	0	88146	44495	11321	8760	0	20337063	0	4953827	20337063	0
09. Area of Water Charges (KSPTS-1) 4th Instalment & KSPTS-2	333981872	0	0	0	0	0	0	0	0	0	0	0	0	17543	0	37538	225272	16789
10. 3 Ways Rev. 2nd Instalment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11. Other Rev. (EC Thermal Agt. RSD Oil Comp. Equity Agt. Non-Tax Income etc.)	4826235	0	0	0	0	0	0	0	754821015	0	0	0	0	0	0	0	0	0
12. Filing Charges 2022-23	28979267	330000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13. LC Bill (Gross) Rs.	627942586	135693161	0	0	167688160	117844237	355811	0	0	0	0	0	0	0	0	0	0	0
14. Net LC Bill (Gross-Rebate)	627942586	135693161	0	0	167688160	117844237	355811	0	0	0	0	0	0	0	0	0	0	0
15. REBATABLE Rs.																		
16. NON-REBATABLE Rs.																		
17. Total Bill																		
18. Net LC Bill (Gross-Rebate)																		
TOTAL PAYABLE for the month																		
NET PAYABLE (Rs.)																		
For & on behalf of NTPC Ltd.																		

REBATABL	Rs.
NON-REBATABL	Rs.
Total Bill	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)
4th 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)
Ab

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)-2/11
29-7-22

0Aa-8
01/8/22

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
Total	-23,57,73,144	-11,96,03,998	-35,53,77,142

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

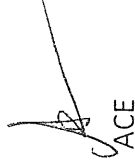
As per CSERC order the above amount of FCA shall be claimed as mentioned below:-

All Figures in Rs.

Month	HTPS	DSPM TPS	KW Extn	ABVTPS	Total
Sep-21	-3,65,04,168	-5,59,87,137	-2,67,83,099	-5,84,14,167	-17,76,88,571
Oct-21	-3,65,04,168	-5,59,87,137	-2,67,83,099	-5,84,14,167	-17,76,88,571
Total	-7,30,08,336	-11,19,74,274	-5,35,66,198	-11,68,28,334	-35,53,77,142


AE


ACE


ACE

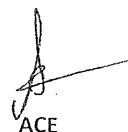
FORMAT-I

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

 AE

 SE

 ACE

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= $((p-(qxr))/(o)*(n/1000))/(1-s)$	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

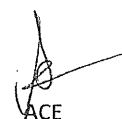
Name of the Company : Chhattisgarh State Power Generation Company Limited

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 $= ((s - (t \times u)) / (r) * (q / 1000)) / (1 - v)$	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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Details/Information for computation of Energy Charge Rates for FCA

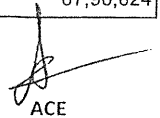
Name of the Company : Chhattisgarh State Power Generation Company Limited

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 variation and GST@18%)	Rs/MT		840.36	835.86
e	Total Transportation rate (c+d)	Rs/MT		1081.78	1086.37

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

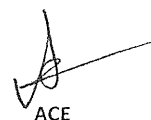
	Month	Unit		For Month of April-22	For Month of May-22
a	Quantity of Coal transferred by railway (RR quantity)	MMT		0.20046085	0.25202447
b	Transportation Cost Paid to railways	Rs		84803848	111861590
c	Transportation rate paid to Railways = $b/a/10^6$	ml/ KWh		423.04	443.85
d	Road Transportation rate (inclusive of price variation and 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 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


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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 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 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)	3656.4	
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= $((p-(qxr))/(0)*(n/1000))/(1-s)$	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---

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

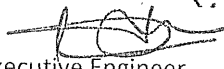
Name of the Company : Chhattisgarh State Power Generation Company Limited

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

	Month	Unit	Considered in 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	
t	ECR for the Period= $((p - (q \times r)) / (0) * (n / 1000)) / (1 - s)$	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---

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Executive Engineer

HTPS, CSPGCL, Korba West