

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	-15,50,82,577
Sep-22	-5,64,21,428	-6,89,22,084	-3,77,32,640	5,30,65,744	-11,00,10,408
Total in Rs.	-17,46,93,120	-8,93,06,091	-7,54,41,163	7,43,47,389	-26,50,92,985

(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)
A	Central Generating Stations						
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	CSPGCL						
1	CSPGCL- (Renewables + Hasdeo Bango)	372.58	69.61	1.87	87.39	35.14	4.02
C	Purchase from Traders, IPPs and other sources						
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
D	Purchase from Renewable Sources						
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	-	-	-
	Total	22445.26	7130.23	3.18	3619.62	1725.61	4.77

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

235

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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237

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.) $\times Q_{RS}/Q_{pp}$	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)

CIN : U74899DL1999PLC098274, GSTIN : 22AABCN5467A1ZX, HSN : 27160000

Energy Bill : 01.09.2022 - 30.09.2022

Bill Date : 05.10.2022

Bill No. 6300320

Beneficiary Name : Chhattisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	%	Energy Schd.	23,159,998.00 kwh
NAPAF	85.000 %		
Energy Charge Rate (ECR)		$(GHR - SEC \times CVSF) \times LPPF / CVPF + SEC \times LPSFI + LC \times LPL \times 100 / 1000 \text{ AUX}$	
ECR	3.1410 Rs/kwh		
Base Values		Month Values	
AUX	9.000 %	CVSF	9.9420 Kcal/ml
GHR	2415.000 KCAL/kwh	LPPF	3.9046 Rs/Kg
SEC	0.500 ml/kwh	CVPF	3408.250 KCAL/Kg
		LPSFI	054299 Rs/ml
ED/Cess on APC		ED Duty on Cess/Taxes	
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
Current Billing Period		Plant APC excl. Colony	
APC excl. Colony Cons.	25,734,024.00 kwh	Power factor	1.0000
Power factor	1.0000	Applicable APC for ED	2,395,631.20 kwh
Appl. APC for ED	2,264,092.97 kwh	Difference	124,812.60 kwh
Provisional Previous Period		Appl. APC ED (Curr. Bill)	
APC excl. Colony	30,198,977.00 kwh		2,189,280.37 kwh
Power factor	1.0000		
Appl. APC for ED	2,520,443.80 kwh		
Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	3.1510 Rs/kwh	ECR-Rev Prev. Period	3.0750 Rs/kwh
ECR-Rev. Prev. Period	9.0750 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 ECR Rev.	1,997,612.96 Rs	Adj. due to Rev. Energy	0.00 Rs
Other Charges		Rebate & Surcharges Details	
WRLDC fees & charges amt.	17,090.00 Rs	Cap. Charges Prev Period	Rs
Uldc charges	0.00 Rs	Energy Charges Prev Period	82,822,085.53 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	Rs
Total Other Charges billed	17,089.60 Rs	Rebate Amount (-) (Rs.)	%
		Surcharge (+) (Rs.)	0.00 Rs

नियंत्रण और वित्त विभाग, नए दिल्ली, एनटीपीसी टावर, 15 ब्लॉक, कैमा प्लेस, नए दिल्ली - 110088

फ़ोन / Tel: 011-26717376-79-80-82, 26712273/ Fax: 011-26717364, 26717365, 26717366, 26717381
Registered Corporate Office: 4th Floor, NBCC Tower, 15 Block, Cama Place, New Delhi-110088



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 : 01.08.2022 - 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)		$\frac{[(GHR - SFC \times CVSF) \times LPPF / CVPF + SFC \times LPSEI + LC \times LPL] \times 100 / (100 - AITX)}{}$	
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
		LPSEI	.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./kvah
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.

NTPC LIMITED

TOTAL PAYABLE for the month

NET PAYABLE (RS.)

For & on behalf of NTPC Ltd.

Bill No. OCT-2022/CSEB

Sl.No.	PARTICULARS	KSTPS	KSTPS 3	YSTPS1	VSTPS2	VSTPS3	VSTPS4	MSTPS1	KGPS G10 G20 L : 0	JGPS APM : 0 N-APM : 0 Lq : 1894.7 RNG : 1368.7	SIPAT-1 210742865	SIPAT-2 91348588	VSTPS5 26845560	MST-2 35273126	SLP 34672724	KHSTPS2 4732313	RSTPS	GSTPS	LARA	XIARGONE																			
	Energy scheduled(KWH)	134776604	50625000	0	0	70843238	42221250	30728726			210742865	91348588	26845560	35273126	34672724	4732313		54938727	358671488	27304539																			
	Energy Charges(Pes/KWH)	147.10	144.00	162.60	156.60	155.30	153.30	504.20			298.70	322.90	157.80	516.10	556.30	381.00		463.800	378.400	556.500																			
01.	Capacity Charges	89911394	71773592	0	0	66367423	56947365	66864430	0	0	285136692	90385542	38675261	74063702	157643732	19012366	0	187179301	780092866	136688900																			
02.a.	Energy Charges	198256387	72900000	0	0	110019549	64725178	154934236			629488938	294964591	42362294	182044603	192884364	56130113	0	254805816	1508572911	151949760																			
02.b.	MOPA Charges																																						
03.	Incentive	4343402	0	0	0	0	2046665	0	0	0	0	(2269803)	484065	0	0	125562	0	0	(50621458)	0																			
04.a.	ED&Cess on APC	12244714	4805571	0	0	4797771	2917837	0	0	0	20420428	10086316	2157169	0	0	0	0	4827296	45055008	1714840																			
04.b.	ED&Cess on Sales	17672338	7836610	0	0	0	0	0	0	0	32378652	15825166	0	0	0	0	0	0	76459002	0																			
	Total (Main Bill) Rs.	322429225	157315773	0	0	181184743	126637043	221798666	0	0	987424710	408990752	83678789	255108305	35028096	75260041	0	446812413	2359548319	290353500																			
05.	EC Reductions	0	0	0	0	0	0	0	0	0	27905913	30625463	0	0	0	0	0	0	244569663	0																			
06.	RUDC Charges Aug-2022	62830	22412	0	0	31380	18716	18291	0	0	93554	47253	12018	25600	46502	18654	0	46182	239017	37100																			
07.	Compensation Sept-2022	0	0	0	0	0	0	(753409)	0	0	0	0	0	8525167	11704651	0	0	0	0	4441578																			
08.	RTM Gain Sharing Sept-2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23907987																			
09.	MSTPS Stage-I Tariff Revision							(154030746)												(154030746)																			
	Area of Waiver Charges (VSTPS-1/2) Share																																						
	Initialment & KSTPS-3/SPTPS-1/KHSTPS2																																						
	Wage Rev. 7%&6% Initialment		4826235	0	0						3739178					1072070				9637483																			
10.																																							
11.	Other Rev.	(37)	(11)	0	0	0	0	73430	0	0	122	(220)	0	0	0	0	0	0	0	73282																			
12.																																							
13.	TDS on Mouda Stage-I Interest refund																			4298659																			
14.																																							
15.	LC Bill (Gross) Rs.	322491018	162164409	0	0	181216123	126655759	67096232	0	0	999163477	439663248	83690807	264659072	362279349	76358765	0	446858595	2604356999	294832188																			
16.																				6435745698																			
17.	Net LC Bill (Gross-Rebate)	322491018	162164409	0	0	181216123	126655759	67096232	0	0	999163477	439663248	83690807	264659072	362279349	76358765	0	446858595	2604356999	294832188																			
i																																							
ii																																							
iii																																							
TOTAL PAYABLE for the month																																							6435745698
NET PAYABLE (Rs.)																																							6435745698
For & on behalf of NTDCL Ltd.																																							

812

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

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CSPGCL

NO. 03-09/ Bills-15/ 703

Raipur Dtd.

25-Nov-2022

To,

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

E. D. (RA&PM) C.S.P.D.C.L. 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**

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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) 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
Total	-15,50,82,577	-11,00,10,408	-26,50,92,985

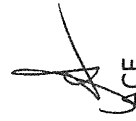
As per CSERC order the above amount of FCA shall be claimed as mentioned below:-

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
Total	-17,46,93,120	-8,93,06,091	-7,54,41,163	7,43,47,389	-26,50,92,985


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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 $= (i / (f \times 10^6))$	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 = $((p - (q \times r)) / (o) \times (n / 1000)) / (1 - s)$	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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309

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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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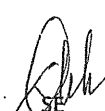
Details/Information for computation of Energy Charge Rates for FCA

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 $= ((s - (txu)) / (r) * (q / 1000)) / (1 - v)$	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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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 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	1,510.90	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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Details/Information for Computation of Energy Charge Rates

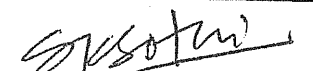
of the Company : Chhattisgarh State Power Generation Company Limited

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

	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 (Supplymentary 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	
	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

304

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Details/Information for Computation of Energy Charge Rates

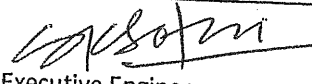
Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : 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 (Supplementary 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= $((p - (q * r)) / (o) * (n / 1000)) / (1 - s)$	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		
x	FCA Claim for the Period (vXw)	Rs		17,75,05,000

NOTE--

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4. ECR to be worked out to third digit decimal.


Executive Engineer
HTPS, CSPGCL, Korba West