

223

Computation of VCA Charges (2nd bi-monthly period of FY 2022-23)

(A) CHFC: -

Month	HTPS	DSPM TPS	Korba(W) Extn.	MTTPS	Total Amt.in Rs.
Jun-22	-4,95,84,500	3,91,98,783	-3,26,37,943	3,55,99,429	-74,24,231
Jul-22	-4,76,17,119	-1,66,83,404	-2,94,71,391	6,76,76,001	-2,60,95,913
<b>Total in Rs.</b>	<b>-9,72,01,619</b>	<b>2,25,15,379</b>	<b>-6,21,09,334</b>	<b>10,32,75,430</b>	<b>-3,35,20,144</b>

(B) CHPP:

- (i) Total units purchased from all sources (excluding CSPGCL thermal stations) : 2903.43 MU
- (ii) Amount paid against units purchased : Rs. 1233.83 Cr.
- (iii) Rate per unit : Rs. 4.25 /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. 1.07/KWh
- (vi) CHPP (in Rs.) (i)x(v) : Rs. 310,66,70,100
- C. Gross VCA (A+B) in Rs : Rs. 307,31,49,956
- D. Total quantum of power purchased during the period : 597,57,13,065 Kwh
- E. Quantum of power purchased for sale to retail consumers of the State : 550,78,77,065 KWh
- F. Allowable VCA (in Rs.)(C\*(E/D)) : Rs. 283,25,54,371
- G. Normative transmission & distribution losses as specified in Tariff order : 15.62%
- H. Allowable VCA Charges(Rs./Kwh) (F/E\*(1-G)) : Rs. 0.61 per KWh

Power available for sale to retail consumer  
 (1000.1562) x E  
 = 4647546667.44

$\frac{2832554371}{4647546667.44}$

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

- 1. All categories Rs. 0.61 per unit ✓

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

*Boell*

No.	Particulars	Approved Power Purchase Quantum & Cost by CSERC for FY 2022-23			Actual power purchase Quantum & Cost during the month of June'2022 & July'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	2291.14	1011.59	4.42
2	NTPC-SAIL	271.13	100.27	3.70	54.53	26.63	4.88
3	NPC Limited	295.36	95.24	3.22	59.83	20.31	3.39
4	Others	550.89	409.14	7.43	156.88	53.42	3.41
5	Unschedule Power (within State)				2.92	0.37	1.27
6	NVVN Coal Power				26.14	11.49	4.40
<b>B</b>	<b>CSPGCL</b>						
1	CSPGCL- (Renewables + Hasdeo Bango)	372.58	69.61	1.87	18.88	5.12	2.71
	<b>Purchase from Traders, IPPs and other sources</b>						
1	Short term Power Purchase (including Net power purchase from IEX)	0	0	-	-423.82	-188.98	-
2	Concessional Power	2395.56	444.52	1.86	289.93	53.93	1.86
3	Border Village Power Purchase				0.27	0.24	8.89
<b>D</b>	<b>Purchase from Renewable Sources</b>						
1	Biomass	886.58	610.52	6.89	141.37	99.87	7.06
2	Solar	1994.01	498.5	2.50	163.74	63.38	3.87
3	Hydel/Other RE	464.72	158.47	3.41	121.62	76.46	6.29
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>2903.43</b>	<b>1233.83</b>	<b>4.25</b>

Tariff Diff. 1.07 Rs./kwh  
CHPP Rs. 3,10,66,70,100.00

*Boell*

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Computation of VCA (2nd Bi-monthly period of FY 2022-23)

S.No.	Particulars			
1	CHFC		Rs.	-33520144
2	CHPP		Rs.	3106670100
3	Gross VCA (sub total in Rs.)	CHFC+CHPP	Rs.	3073149956
4	Allowable VCA (in Rs.)	Gross VCA (in Rs.) $\times Q_{RS}/Q_{PP}$	Rs.	2832554371
5	Allowable VCA (in Rs/Kwh)	Allowable VCA (in Rs.)/[Qrs*(1-L)]	Rs./Kwh	0.61

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## Computation of Qpp and Qrs (2nd Bi-monthly of FY 2022-23)

S No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	$Q_1$	2707499000	Kwh
2	Quantum of actual power purchased from CSPGCL hydro Power stations(Bango)	$Q_2$	13989252	Kwh
3	Quantum of actual power purchased from CSPGCL Renewable Power stations(Small Hydel Station of CSPGCL + CoGen Kawardha)	$Q_3$	4892530	Kwh
4	Quantum of scheduled power purchased from CGs	$Q_4$	2995578074	Kwh
5	PGCIL actual losses for the bi-monthly period	L1	3.39%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L1)$	2894027977	Kwh
7	Quantum of actual power purchased from Renewable energy Sources	$Q_6$	309598008	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)	$Q_8$	44012000	Kwh
10	Quantum of scheduled short term purchased through inter-state route at the State periphery (IEX)	$Q_9=Q_8(1-L1)$	42519993	Kwh
11	Quantum of power purchased from other Sources(if any)(Short term + Border Village+Un scheduled)	$Q_{10}$	3186305	Kwh
12	Total Quantum of power purchased	$Q_{PP}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	5975713065	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)	$Q_{PT}$	467836000	Kwh
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{PP}-Q_{PT}$	5507877065	Kwh

*Boell*



**N T P C LIMITED**  
**WESTERN REGION HEADQUARTERS, MUMBAI- 400093**  
**LC BILL RAISED IN THE MONTH OF AUG 2022**

AUG 2022/CSEB		CUSTOMER: CSEB														AMT(Rs)			
PARTICULARS	KSTPS	KSTPS3	VSTPS1	VSTPS2	VSTPS3	VSTPS4	MSTPS1	KGPS	JGPS	SIPAT-1	SIPAT-2	VSTPS5	MST-2	SLP	KNSTPS2	RSTPS	GSTPS	LARA	KHARGONE
Energy scheduled (KWH)	125540488	34605500	0	0	54713499	43387689	21358498	G10 G20 L : 0	G10 G20 APM : 0	176472097	98552252	25657097	26902410	24544951	14343093		53051781	519928983	21715595
Energy Charges (P/KWH)	180.40	154.60	157.40	151.60	150.30	148.40	453.90	24782 N-APM: Lq : 1768.6	1286.1	271.60	302.70	152.80	489.90	520.20	378.80		487.400	324.300	581.000
Capacity Charges	89911384	44979155	0	0	55821814	57048605	66919191	0	0	232174043	90483947	42878461	72510732	157778959	19012366	0	185935773	776434962	145030052
Energy Charges	233691040	53501649	0	0	82234389	64387330	96946222	0	0	479298215	298317667	39204044	131794907	127682835	54331637	0	258574381	1686129692	126167607
MOPA Charges	3155006	0	0	0	0	3243845	0	0	0	0	2470628	0	(4880)	0	(41594)	0	0	21304652	0
Incentive	14070366	0	0	0	2502721	2795516	0	0	0	13087975	10186002	2100096	0	0	0	0	1671382	44255145	110012
ED&Cess on APC	20213382	0	0	0	0	0	0	0	0	20308123	15786048	0	0	0	0	0	0	74473161	0
ED&Cess on Sales	361041178	98480804	0	0	140558824	127475286	163865413	0	0	744868356	417244292	84182601	204300751	285481794	73302409	0	445181536	2602597612	271307671
Total (Main Bills) Rs.	0	0	0	0	(1543938)	(1686850)	0	0	0	0	0	(1100668)	0	144671	5956933	0	0	0	15810012
EC Revisions	62789	22425	0	0	31395	18702	8954	0	0	93587	47242	12020	46	25359	18642	0	23362	238998	894
RLOC Charges June-2022	0	0	0	0	0	0	11708906	0	0	0	0	0	21028427	9657460	0	0	0	0	604415
Compensation July-2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15086681
RTM Gain Sharing July-2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area of Water Charges (VSTPS-1/2) 7th/3rd Instalment & KSTPS-3/SPTPS-1/KHSTPS2 Wage Rev. 5th/4th/3rd Instalment	4826235	0	0	0	0	0	0	0	0	3739178	0	0	0	0	1072070	0	0	0	0
Other Rev. (MOPA Rev. KSTPS ED on APC May- 22, filling adj. etc)	237173	52691	0	0	0	0	0	0	0	(35)	(141)	0	0	0	0	0	0	0	289689
URS Adj. (Jan-2022 to July-2022)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1071618
LC Bill (Gross) Rs.	361341140	103382155	0	0	139046381	125805148	175583273	0	0	748701086	417291393	83093953	225325224	295289284	80360054	0	446204898	2602836610	302205258
Net LC Bill (Gross-Rebate)	361341140	103382155	0	0	139046381	125805148	175583273	0	0	748701086	417291393	83093953	225325224	295289284	80360054	0	446204898	2602836610	302205258
i																			
ii																			
iii																			
TOTAL PAYABLE for the month																			6106577476
NET PAYABLE (Rs.)																			6106577476
For & on behalf of NTPC Ltd.																			6106577476



# 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 : 01.06.2022 - 30.06.2022

Bill Date : 04.07.2022

Bill No. 6300311

Beneficiary Name : Chhatisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	100.6519 %	Energy Schd.	29,008,625.00 kwh
NAPAF	85.000 %		

Energy Charge Rate (ECR)		((GHR - SFC x CVSF) x LPPF / CVPF + SFC x LPSFI + LC x LPL) x 100 / (100 - AUX)	
ECR	3.1570 Rs/kwh		
Base Values		Month Values	
AUX	9.000 %	CVSF	9.9100 Kcal/ml
GHR	2415.000 kCAL/kwh	LPPF	3.7886 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3291.990 kCal/Kg
		LPSFI	.0532 Rs/ml

ED / Cess on APC		ED Duty on Cess/Taxes	
Total SG for Station	323,588,325.00 kwh	ED/Cess/Taxes Rate	0.050 Rs./kwh
SAIL TEED	kwh	ED Rate on APC	0.622 Rs./kwh
		Energy Schd. for Benf.	29,008,625.00 kwh
		ED/Cess/Taxes Amt.	1,450,431.00 Rs.
		ED on APC Amt.	1,746,018.00 Rs.

Provisional Bill Period		Final Previous Period	
APC excl. Colony Cons.	31,312,952.00 kwh	Plant APC excl. Colony	30,308,019.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	2,807,102.77 kwh	Applicable APC for ED	2,463,599.37 kwh
Provisional Previous Period		Difference	
APC excl. Colony	30,308,019.00 kwh	Appl. APC ED (Curr. Bill)	2,807,102.77 kwh
Power factor	1.0000		
Appl. APC for ED	2,463,599.37 kwh		

Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	2.8050 Rs./kwh	ECR-Rev Prev. Period	2.8730 Rs./kwh
ECR-Rev. Prev. Period	2.8730 Rs./kwh	Schd. Energy (last bill)	25,675,900.00 kwh
Difference	0.068 Rs./kwh	Schd. Energy ( REA )	25,675,900.00 kwh
Energy Schd Prev Period	25,675,900.00 kwh	Diff. of Sched. Energy	kwh
Oth Adj due to ECR Rev.	1,745,961.20 Rs.	Adj. due to Rev. Energy	0.00 Rs.

Other Charges		Rebate & Surcharge Details	
WRLDC fees & charges amt.	14,974.00 Rs.	Cap. Charges Prev Period	Rs.
Uldc charges	0.00 Rs.	Energy Charges Prev Period	72,020,900.50 Rs.
Poc charges (BSP)	0.00 Rs.	Other Adj. Prev Period	1.00 Rs.
Tariff filling fee	0.00 Rs.	Total Applicable	72,020,901.50 Rs.
Miscellaneous charges	0.00 Rs.	Rebate	%
Total Other Charges billed	14,974.30 Rs.	Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.

पंजीकृत केन्द्रीय कार्यालय : चतुर्थ तल, एनटीपीसी टावर, 15, भीकाजी कामा प्लेस, नई दिल्ली - 110066

दूरभाष / Tel: 011-26717378-79-80-82, 26172273/ Fax: 011-, 26717364, 26717365, 26717366, 26717381

Registered Corporate Office: 4<sup>th</sup> Floor, NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066

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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 : 01.07.2022 - 31.07.2022

Bill Date : 03.08.2022

Bill No. 6300316

Beneficiary Name : Chhatisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	%	Energy Schd.	25,516,500.00 kwh
NAPAF	85.000 %		

Energy Charge Rate (ECR)		((GHR - SFC x CVSF) x LPPF / CVPF+SFC x LPSFI + LC x LPL) x 100 / (100 - AUX)	
ECR	3.2740 Rs/kwh		

Base Values		Month Values	
AUX	9.000 %	CVSF	9.7620 Kcal/ml
GHR	2415.000 kCAL/kwh	LPPF	3.7748 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3166.469 kCal/Kg
		LPSFI	.054850 Rs/ml

ED / Cess on APC		ED Duty on Cess/Taxes	
Total SG for Station	330,879,925.00 kwh	ED/Cess/Taxes Rate	0.050 Rs./kwh
SAIL TEED	kwh	ED Rate on APC	0.622 Rs./kwh
		Energy Schd. for Benf.	25,516,500.00 kwh
		ED/Cess/Taxes Amt.	1,275,825.00 Rs.
		ED on APC Amt.	1,447,962.00 Rs.

Provisional Bill Period		Final Previous Period	
APC excl. Colony Cons.	30,186,740.00 kwh	Plant APC excl. Colony	31,312,952.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	2,327,913.82 kwh	Applicable APC for ED	2,807,102.77 kwh
Provisional Previous Period		Difference	
APC excl. Colony	31,312,952.00 kwh	Appl. APC ED (Curr. Bill)	2,327,913.82 kwh
Power factor	1.0000		
Appl. APC for ED	2,807,102.77 kwh		

Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	3.1570 Rs./kwh	ECR-Rev Prev. Period	3.3300 Rs./kwh
ECR-Rev. Prev. Period	3.3300 Rs./kwh	Schd. Energy (last bill)	29,008,625.00 kwh
Difference	0.173 Rs./kwh	Schd. Energy ( REA )	29,008,625.00 kwh
Energy Schd Pre	29,008,625.00 kwh	Diff. of Sched. Energy	kwh
Oth Adj due to E	5,018,492.13 Rs.	Adj. due to Rev. Energy	0.00 Rs.

Charges		Rebate & Surcharge Details	
WRLDC fees & ch	14,960.00 Rs.	Cap. Charges Prev Period	Rs.
Uldc charges	0.00 Rs.	Energy Charges Prev Period	91,580,228.13 Rs.
Poc charges (BSP)	0.00 Rs.	Other Adj. Prev Period	1.00 Rs.
Tariff filling fee	0.00 Rs.	Total Applicable	91,580,229.13 Rs.
Miscellaneous charges	0.00 Rs.	Rebate	%
Total Other Charges billed	14,959.80 Rs.	Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.

पंजीकृत केन्द्रीय कार्यालय : चतुर्थ तल, एनटीपीसी टावर, 15, भीकाजी कामा प्लेस, नई दिल्ली . 110066  
 दूरगाय / Tel: 011-26717378-79-80-82, 26172273/ Fax: 011-, 26717364, 26717365, 26717366, 26717381  
 Registered Corporate Office: 4<sup>th</sup> Floor, NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066



## CHHATTISGARH STATE POWER GENERATION COMPANY LIMITED

(A Govt. of C.G. Undertaking)

Office of the Chief Engineer (C&amp;RA)

NO. 03-09/ Bills-15/ 603

Raipur Dtd.

30-Sep-2022

To,

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

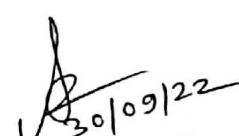
E. D. (RA&PM) CSPDCL, Raipur	
No.	PS80
Date	03/10/22

**Sub:** Fuel Cost Adjustment calculation for the 2nd 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

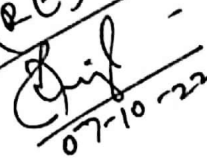
In compliance to the CSERC order referred above, please find enclosed FCA Calculation amounting to Rs. **-3,35,20,144** /- for the 2nd Bi-Monthly period of FY 2022-23 (June-22 & July-22). As per CSERC order the above FCA amount shall be claimed in two installments w.e.f. Nov-22

SE(RM)I

Copy to :- -

  
Chief Engineer (C&RA)  
CSPGCL: Raipur

- 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-2nd Bi Monthly of FY 2022-23 (June-2022 & July-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) - 1  
  
07-10-22

Interup  
  
07-10-22

## Fuel Cost Adjustment calculation for the 2nd Bi-Monthly period of FY 2022-23.

All Figures in Rs.

Name of Plant	Jun-22	Jul-22	Total
HTPS	-4,95,84,500	-4,76,17,119	-9,72,01,619
DSPM TPS	3,91,98,783	-1,66,83,404	2,25,15,379
KW Extn	-3,26,37,943	-2,94,71,391	-6,21,09,334
ABVTPS	3,55,99,429	6,76,76,001	10,32,75,430
<b>Total</b>	<b>-74,24,231</b>	<b>-2,60,95,913</b>	<b>-3,35,20,144</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:-

All Figures in Rs.

Month	HTPS	DSPM TPS	KW Extn	ABVTPS	Total
Nov-22	-4,86,00,810	1,12,57,690	-3,10,54,667	5,16,37,715	-1,67,60,072
Dec-22	-4,86,00,809	1,12,57,689	-3,10,54,667	5,16,37,715	-1,67,60,072
<b>Total</b>	<b>-9,72,01,619</b>	<b>2,25,15,379</b>	<b>-6,21,09,334</b>	<b>10,32,75,430</b>	<b>-3,35,20,144</b>

  
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 : Korba (West) Thermal Power Station - HTPS

	Description	Unit	Considered in Tariff order	For Month of June-22	For Month of July-22
a	Quantity of Coal supplied by Coal/Lignite Company	(MMT)			
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)		0.38067000	0.40590900
c	Coal supplied by Coal Company (a+b)	(MMT)			
d	Normative Transit & Handling Losses	%		0.380670	0.405909
e	Normative Transit & Handling Losses (cXd)	(MMT)	0.20%	0.20%	0.20%
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.000761340	0.000811818
g	Amount charged by the Coal / Lignite Company	(Rs.)		0.379909	0.405097
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		687803539.84	733405960.66
i	Net amount charged for Coal (g+h)	(Rs.)			
j	Rate of Coal for the period Charged by Coal Company = (i/(f*10^6))	Rs/MT		687803539.84	733405960.66
k	Rate of Bonus payable to Coal Company	Rs/MT		1810.44	1810.45
l	Net Rate of coal payable to coal compnay (j+k)	Rs/MT	1,810.44	1810.44	1810.45
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	3,980.00	3,917.00
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		1.395	1.417
u	ECR as considered in Tariff order	Rs/ KWh	1.519	1.519	1.519
v	Change in ECR (t-u)	Rs/ KWh		-0.124	-0.102
w	Scheduled Generation during the Period	KWh		399875000	466834500
x	FCA Claim for the Period (vXw)	Rs		-4,95,84,500	-4,76,17,119

  
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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 June-22	For Month of July-22
a	Quantity of Coal supplied by Coal/Lignite Company	(MMT)		0.18749400	0.19992600
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)			
c	Coal supplied by Coal Company (a+b)	(MMT)		0.187494	0.199926
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000374988	0.000399852
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.187119	0.199526
g	Amount charged by the Coal / Lignite Company	(Rs.)		338768584.07	361231015.04
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)			
i	Net amount charged for Coal (g+h)	(Rs.)		338768584.07	361231015.04
j	Rate of Coal for the period Charged by Coal Company = $(i/(f*10^6))$	Rs/MT		1810.44	1810.45
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	1810.44	1810.45
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	3,980.00	3,917.00
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		1.200	1.219
u	ECR as considered in Tariff order	Rs/ KWh	1.306	1.306	1.306
v	Change in ECR (t-u)	Rs/ KWh		-0.106	-0.087
w	Scheduled Generation during the Period	KWh		307905125.0	338751625
x	FCA Claim for the Period (vXw)	Rs		-3,26,37,943	-2,94,71,391

  
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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 June-22	For Month of July-22
a	Quantity of Coal supplied by Coal Company	(MMT)		0.26821187	0.19463470
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)			
c	Coal supplied by Coal Company (a+b)	(MMT)		0.26821187	0.19463470
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000536424	0.000389269
f	Net coal Supplied (c-e)	(MMT)		0.267675446	0.194245431
g	Amount charged by the Coal Company	(Rs.)		47,48,19,848.99	34,24,74,985.40
h	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)		6,88,07,000.50	
i	Net amount Charged for Coal (g+h)	(Rs.)		54,36,26,849.49	34,24,74,985.40
j	Rate of Coal for the period $= (i / (f \times 10^6))$	Rs/MT	1,827.86	2030.92	1763.10
k	Rate of Bonus payable to Coal Company	Rs/MT			
l	Net Rate of coal payable (j+k)	Rs/MT		2030.92	1763.10
m	Transportation Cost Paid to railways	Rs		5,09,75,704.00	2,79,40,544.00
n	Transportation Charge rate paid to Railways $(m / (f \times 10^6))$	Rs/MT	192.59	190.44	143.84
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	201.88	155.28
q	Landed Price of Coal per MT ((l+p)	Rs./MT	2,031.89	2232.80	1918.38
r	Average GCV of coal / Lignite as recieved	(kCal/Kg)	3,269.32	3,319.00	3,213.93
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	1.793	1.591
x	ECR as considered in Tariff order	Rs/ KWh	1.656	1.656	1.656
y	Change in ECR (w-x)	Rs/ KWh		0.137	-0.065
z	Scheduled Generation during the Period	Kwh		286122500	256667750
aa	FCA Claim for the Period (yX z)	Rs		3,91,98,783	-1,66,83,404

  
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Details/Information for computation of Energy Charge Rates for FCA

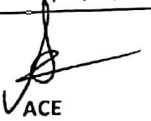
Name of the Company : Chhattisgarh State Power Generation Company Limited

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

	Month	Unit	Considered in Tariff order	For Month of June-22	For Month of July-22
a	Quantity of Coal Transported by railway from Robertson siding	(MMT)	-	0.08063525	0.12203771
b	Quantity of Coal Transported by railway from Gharghoda siding	(MMT)	-	0.23190046	0.17224401
c	Total Coal transferred through rail ( a+b)	(MMT)		0.31253571	0.29428172
d	Per ton Transportation charges from Robertson siding	Rs/MT		1075.64	1075.99
e	Per ton Transportation charges from Gharghoda siding	Rs/MT		996.44	998.64
f	Weighted average transportation rate of Coal $\{(aXd+bXe)/c\}$	Rs/MT		1016.87	1030.72
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	2,564.98	2,578.94
k	GCV of coal as received	(kCal/Kg)	3,628.91	3349.00	3259.00
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	1.928	1.992
q	Coal ECR as considered in Tariff order	Rs/ KWh	1.805	1.805	1.805
r	Change in ECR (p-q)	Rs/ KWh		0.123	0.187
s	Scheduled Generation during the Period	Kwh		28,94,26,250	36,19,03,750
t	FCA Claim for the Period (rXs)	Rs		3,55,99,429	6,76,76,001

  
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## FORMAT-I

Name of the Power Station : Marwa Thermal Power Plant - ABVTPS ( Robertson )				
	Month	Unit	For Month of June-22	For Month of July-22
a	Quantity of Coal transferred by railway (RR quantity)	MMT		
b	Transportation Cost Paid to railways	Rs	0.08063525	0.12203771
c	Transportation rate paid to Railways = $b/a/10^6$	Rs/MT	20319543.00	30795288
d	Road Transportation rate ( inclusive of price variation and GST@18%)	Rs/MT	251.99	252.34
e	Tctal Transportation rate (c+d)	Rs/MT	823.65	823.65
			1075.64	1075.99

## FORMAT-I

Name of the Power Station : Marwa Thermal Power Plant - ABVTPS ( Gharghoda )				
	Month	Unit	For Month of June-22	For Month of July-22
a	Quantity of Coal transferred by railway (RR quantity)	MMT		
b	Transportation Cost Paid to railways	Rs	0.23190046	0.17224401
c	Transportation rate paid to Railways = $b/a/10^6$	ml/ KWh	100581468	75086680
d	Rcad Transportation rate ( inclusive of price variation and GST@18%)	ml/ KWh	433.73	435.93
e	Tctal Transportation rate (c+d)	ml/ KWh	562.71	562.71
			996.44	998.64

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

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	For Month of June-2022
a	Quantity of Coal supplied by Coal Company	(MMT)	-
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)	0.380670
c	Coal supplied by Coal Company (a+b)	(MMT)	0
d	Normative Transit & Handling Losses	%	0.380670
e	Normative Transit & Handling Losses (cXd)	(MMT)	-
f	Net coal Supplied (c-e)	(MMT)	-
g	Amount charged by the Coal Company	(Rs.)	68,78,03,539.84
h	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-
i	Net amount Charged by Coal Company (g+h)	(Rs.)	68,78,03,539.84
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 = $((p-(qxr))/(o)*(n/1000))/(1-s)$	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	44,82,07,762
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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Details/Information for Computation of Energy Charge Rates

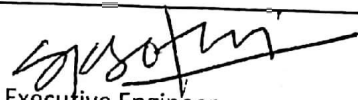
Name of the Company : Chhattisgarh State Power Generation Company Limited

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

	Month	Unit	Considered in Tariff order	For Month of June- 2022
a	Quantity of Coal supplied by Coal Company	(MMT)	-	0.187494
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)	-	0
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)	-	0.187494
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.)	-	33,87,68,584.07
h	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-	
i	Net amount Charged by Coal Company (g+h)	(Rs.)	-	33,87,68,584.07
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		33,16,44,000
x	FCA Claim for the Period (vXw )	Rs		

NOTE---

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 Executive Engineer  
 HTPS, CSPGCL, Korba West