



# 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/2462

Raipur, Date 14.01.2022

To,

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

Sub: Computation of VCA charge in respect of Oct'2021 & Nov'2021 bi-monthly period – Levy to consumers as per clause 67.8 of MYT Regulations, 2015.

In compliance to the provisions contained at clause 67.0 of MYT Regulations 2015, VCA charge in respect of CHFC and CHPP towards bi-monthly period Oct'2021 & Nov'2021 is computed and shown in the table below:

Sr. No.	Category of consumers	Rate of VCA charge to be recovered
1	DLF consumers up to 100 units	Rs. 0.18 per unit
2	DLF consumers 101 to 200 units	Rs. 0.19 per unit
3	DLF consumers above 200 units	Rs. 0.22 per unit
4	Agriculture Consumers	Rs. 0.22 per unit
5	Rest all categories	Rs. 0.22 per unit

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

Encl.: As above.

Executive Director (RA&PM)  
CSPDCL: Raipur

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 Jan'2022 and Feb'2022 payable in the months of Feb'2022 and March'2022 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 2021-22 completes.
- 2) The Executive Director (O&M), CSPDCL, Raipur.
- 3) The Executive Director (BR)/(RJN-R)/(JR)/(RCR) CSPDCL  
Bilaspur/Rajnandgaon/Jagdapur/Raipur.
- 4) The Chief Engineer (Rev.)/(AR)/(DR)/(RRR)/(RGR-R)/ CSPDCL,  
Ambikapur/Durg/Raigarh.
- 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 (4<sup>th</sup> bi-monthly period of FY 2021-22)

(A) CHFC: -

Month	HTPS	DSPM TPS	Korba(W) Extn.	MTTPS	Total Amt.in Rs.
Oct-21	4,15,62,161	8,24,57,219	3,51,28,713	2,58,45,495	18,49,93,588
Nov-21	2,63,66,823	6,91,42,276	1,65,84,962	9,10,71,156	20,31,65,217
<b>Total in Rs.</b>	<b>6,79,28,984</b>	<b>15,15,99,495</b>	<b>5,17,13,675</b>	<b>11,69,16,651</b>	<b>38,81,58,805</b>

(B) CHPP:

- (i) Total units purchased from NTPC and NSPCL : 2,26,45,42,137 KWh
- (ii) Amount paid against units purchased : Rs. 8,85,08,07,259
- (iii) Rate per unit : Rs. 3.91 /KWh
- (iv) Average rate approved by CSERC for purchase of power from Central generating stations (NTPC & NSPCL only) : Rs. 3.62/KWh
- (v) Diff. in rate (iii-iv) : Rs. 0.29/KWh
- (vi) CHPP (in Rs.) (i)x(v) : Rs. 65,67,17,220
- C. Gross VCA (A+B) in Rs : Rs. 104,48,76,025
- D. Total quantum of power purchased during the period : 5,76,47,71,888 Kwh
- E. Quantum of power purchased for sale to retail consumers of the State : 4,93,83,07,388 KWh
- F. Allowable VCA (in Rs.) [C\*(E/D)] : Rs. 89,50,77,740
- G. Normative transmission & distribution losses as specified in Tariff order : 16.36%
- H. Allowable VCA Charges(Rs./Kwh) (F/E\*(1-G)) : **Rs. 0.22 per KWh**

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

- |   |                                |                   |
|---|--------------------------------|-------------------|
| 1 | DLF consumers up to 100 units  | Rs. 0.18 per unit |
| 2 | DLF consumers 101 to 200 units | Rs. 0.19 per unit |
| 3 | DLF consumers above 200 units  | Rs. 0.22 per unit |
| 4 | Agriculture Consumers          | Rs. 0.22 per unit |
| 5 | Rest all categories            | Rs. 0.22 per unit |

To be recovered from energy bill for the consumption in the months of Jan'2022 and Feb'2022 payable in the months of Feb'2022 and March'2022 respectively.

### Computation of CHPP

S.No.	Particulars		
1	Scheduled energy purchased from CGs during 4th bi-monthly period of FY 2021-22	Kwh	2,26,45,42,137
2	Amount paid against units purchased	Rs.	8,85,08,07,259
3	Average rate of power purchase	Rs./Kwh	3.91
4	Average rate of Power Purchase as per Tariff Order	Rs./Kwh	3.62 ✓
5	Difference in the average rate of PP	Rs./Kwh	0.29 ✓
6	CHPP(Change in the cost of power purchased from CGs)	Rs.	656717220 ✓

### Computation of VCA (4th Bi-monthly period of FY 2021-22)

S.No.	Particulars			
1	CHFC		Rs.	388158805
2	CHPP		Rs.	656717220
3	Gross VCA(sub total in Rs.)	CHFC+CHPP	Rs.	1044876025 ✓
4	Allowable VCA(in Rs.)	Gross VCA (in Rs.) $\times \frac{Q_{rs}}{Q_{pp}}$	Rs.	895077740 ✓
5	Allowable VCA(in Rs/Kwh)	Allowable VCA (in Rs.)/[Qrs*(1-L)]	Rs./Kwh	0.22 ✓

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/EE

**M/s NTPC Ltd.**

Sl. No.	Month	Amount Recommended	TDS @0.1%	Rebate	Net Amount	Due Date	Remarks
1	Oct-21	4,48,46,60,894.00	44,84,661.00	23,68,282.00	4,47,78,07,951.00	21.12.2021	Paid
2	Nov-21	4,18,97,56,446.00	41,89,756.00	-	4,18,55,66,690.00	18.01.2022	Under Process

**M/s NTPC SAIL**

Sl. No.	Month	Amount Recommended	TDS @0.1%	Rebate	Net Amount	Due Date	Remarks
1	Oct-21	9,77,12,006.00	97,712.00	-	9,76,14,294.00	20.12.2021	Paid
2	Nov-21	8,99,08,232.00	89,908.00	-	8,98,18,324.00	17.01.2022	Under Process



**Manager (F&A) - II**  
**CSPDCL, Raipur**

## Computation of Qpp and Qrs (4th Bi-monthly of FY 2021-22)

S No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	$Q_1$	2502148063 ✓	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations(Bango)	$Q_2$	96216124 ✓	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations(Small Hydel Station of CSPGCL + CoGen Kawardha)	$Q_3$	4309327 ✓	KwH
4	Quantum of scheduled power purchased from CGs	$Q_4$	2825464418 ✓	KwH
5	PGCIL actual losses for the bi-monthly period	L1	3.37% ✓	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L1)$	2730246267 ✓	KwH
7	Quantum of actual power purchased from Renewable energy Sources	$Q_6$	312442827 ✓	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)	$Q_8$	64808000 ✓	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery (IEX)	$Q_9=Q_8(1-L1)$	62623970 ✓	KwH
11	Quantum of power purchased from other Sources(if any)(Short term + Border Village+Un scheduled)	$Q_{10}$	56785310 ✓	KwH
12	Total Quantum of power purchased	$Q_{PP}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	5764771888 ✓	KwH
13	Normative transmission and distribution losses as specified in the Tariff order	L	16.36%	
14	Quantum of power scheduled for interstate sale(Sale through IEX+Sale to Telangana)	$Q_{PT}$	826464500 ✓	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{PP}-Q_{PT}$	4938307388 ✓	KwH

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### एनटीपीसी-सेल पावर कंपनी लिमिटेड

(एनटीपीसी और सेल का संयुक्त उपक्रम)

### NTPC-SAIL Power Company Limited

(A joint venture of NTPC & SAIL)

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

Energy Bill : 01.10.2021 - 31.10.2021

Bill Date : 05.11.2021

Bill No. 6300280

Beneficiary Name : Chhatisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	76.8073 %	Energy Schd.	19,069,675.00 kwh
NAPAF	85.000 %		

Energy Charge Rate (ECR)		((GHR - SFC x CVSF) x LPPF / CVPF + SFC x LPSFI + IC x LPI) x 100 / (100 - AUX)	
ECR	2.6520 Rs/kwh		
Base Values		Month Values	
AUX	9.000 %	CVSF	9.9620 Kcal/ml
GHR	2415.000 kCAL/kwh	LPPF	3.0676 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3176.694 kCal/Kg
		LPSFI	.045271 Rs/ml

ED / Cess on APC		ED Duty on Cess/Taxes	
Total SG for Station	245,547,888.00 kwh	ED/Cess/Taxes Rate	0.050 Rs./kvah
SAIL TEED	kwh	ED Rate on APC	0.641 Rs./kwh
		Energy Schd. for Benf.	19,069,675.00 kwh
		ED/Cess/Taxes Amt.	953,484.00 Rs.
		ED on APC Amt.	997,116.00 Rs.

Provisional Bill Period		Final Previous Period	
APC excl. Colony Cons.	20,029,989.00 kwh	Plant APC excl. Colony	17,518,688.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl .APC for ED	1,555,563.70 kwh	Applicable APC for ED	1,498,596.02 kwh
Provisional Previous Period		Difference	
APC excl. Colony	17,518,688.00 kwh	Appl. APC ED (Curr. Bill)	1,555,563.70 kwh
Power factor	1.0000		
Appl. APC for ED	1,498,596.02 kwh		

Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	2.9510 Rs./kwh	ECR-Rev Prev. Period	2.9610 Rs./kwh
ECR-Rev. Prev. Period	2.9610 Rs./kwh	Schd. Energy (last bill)	16,992,500.00 kwh
Difference	0.010 Rs./kwh	Schd. Energy ( REA )	16,992,500.00 kwh
Energy Schd Prev Period	16,992,500.00 kwh	Diff. of Sched. Energy	kwh
Oth Adj due to ECR Rev.	169,925.00 Rs.	Adj. due to Rev. Energy	0.00 Rs.

Other Charges		Rebate & Surcharge Details	
WRLDC fees & charges amt.	57,195.00 Rs.	Cap. Charges Prev Period	Rs.
Uldc charges	0.00 Rs.	Energy Charges Prev Period	50,144,868.50 Rs.
Poc charges (BSP)	0.00 Rs.	Other Adj. Prev Period	Rs.
Tariff filling fee	0.00 Rs.	Total Applicable	50,144,868.50 Rs.
Miscellaneous charges	0.00 Rs.	Rebate	%
Total Other Charges billed	57,195.00 Rs.	Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.

पंजीकृत केन्द्रीय कार्यालय : चतुर्थ तल, एनटीपीसी टावर, 15, भिकजी कामा प्लेस, नई दिल्ली - 110068  
 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-110068



# 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 : 01.11.2021 - 30.11.2021

Bill Date : 03.12.2021

Bill No. 6300285

Beneficiary Name : Chhatisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	76.8073 %	Energy Schd.	16,849,462.00 kwh
NAPAF	85.000 %		

Energy Charge Rate (ECR)		$(GHR - SFC \times CVSF) \times LPPF / CVPF + SFC \times LPSFI + LC \times LPL \times 100 / (100 - AUX)$	
ECR	2.6440 Rs/kwh		

Base Values		Month Values	
AUX	9.000 %	CVSF	9.8310 Kcal/ml
GHR	2415.000 KCAL/kwh	LPPF	3.1961 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3318.653 kCal/Kg
		LPSFI	.048845 Rs/ml

ED / Cess on APC		ED Duty on Cess/Taxes	
Total SG for Station	295,906,054.00 kwh	ED/Cess/Taxes Rate	Rs./kwh
SAIL TEED	kwh	ED Rate on APC	0.641 Rs./kwh
		Energy Schd. for Benf.	16,849,462.00 kwh
		ED/Cess/Taxes Amt.	842,473.00 Rs.
		ED on APC Amt.	918,885.00 Rs.

Provisional Bill Period		Final Previous Period	
APC excl. Colony Cons.	25,175,082.00 kwh	Plant APC excl. Colony	20,029,989.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	1,433,517.77 kwh	Applicable APC for ED	1,555,563.70 kwh
		Difference	kwh
		Appl. APC ED (Curr. Bill)	1,433,517.77 kwh

Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	2.6510 Rs./kwh	ECR-Rev Prev. Period	2.6490 Rs./kwh
ECR-Rev. Prev. Period	2.6490 Rs./kwh	Schd. Energy (last bill)	19,069,675.00 kwh
Difference	0.002- Rs./kwh	Schd. Energy ( REA )	19,069,675.00 kwh
Energy Schd Prev Period	19,069,675.00 kwh	Diff. of Sched. Energy	kwh
Oth Adj due to ECR Rev.	38,139.35- Rs.	Adj. due to Rev. Energy	0.00 Rs.

Other Charges		Rebate & Surcharge Details	
WRLDC fees & charges amt.	14,098.00 Rs.	Cap. Charges Prev Period	Rs.
Uldc charges	0.00 Rs.	Energy Charges Prev Period	50,553,707.43 Rs.
Poc charges (BSP)	0.00 Rs.	Other Adj. Prev Period	Rs.
Tariff filling fee	0.00 Rs.	Total Applicable	50,553,707.43 Rs.
Miscellaneous charges	0.00 Rs.	Rebate	%
Total Other Charges billed	14,097.50 Rs.	Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.

पंजीकृत केन्द्रीय कार्यालय : चतुर्थ तल, एनटीपीसी टावर, 15, भीकाजी कामा प्लेस, नई दिल्ली - 110066  
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 Registered Corporate Office: 4<sup>th</sup> Floor, NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066



**N T P C LIMITED**  
**WESTERN REGION HEADQUARTERS, MUMBAI- 400093**  
**LC BILL RAISED IN THE MONTH OF NOV 2021**

Sl.No.	PARTICULARS	KSTPS	KSTPS 2	VSTPS1	VSTPS2	VSTPS3	VSTPS4	MSTPS1	KGPS	JGPS	SIPAT-1	SIPAT-2	VSTPS5	MST-2	SLP	K0STPS 2	RSTPS	GSTPS	LARA	KHARGONE	AMT(Rs)					
	Energy scheduled(KVAH)	140676550	51988612	0	0	71932544	42632930	16336197																		
	Energy Charges(Pu/KWH)	137.00	134.40	108.40	102.50	161.20	159.10	331.30																		
01	Capacity Charges	83082734	60382700	0	0	63856909	56947365	66853543	0	0	221280505	113799236	38962177	72793277	157180813	18849872	0	182513921	777600452	132030592	2045824236					
02 a	Energy Charges	192726874	69872963	0	0	115955261	67828992	54128447			205565681	146249352	44412616	72663590	128545012	31481232	0	176736514	765924806	127092665	2199184035					
02 b	MCIPA Charges																									
03	Incentive	9056874	3951802	0	0	5099436	2916154	0													28521508					
04 a	ED&Cass on APC	13884948	4531302	0	0	2624952	2681772	0	0	0	(623479)	6386835	1831886	0	0	0	0	0	4633501	29005302	2728452	83328008				
04 b	ED&Cass on Sales	20394613	7539024	0	0	0	0	0	0	0	11225246	10116972	1845521	0	0	0	0	0	0	40069120	0	109904529				
	Total (Main Bills) Rs	318146043	146274781	0	0	187536558	130376283	120982090	0	0	454838238	292120852	88752200	145456867	285725825	59331104	0	363884036	1821689720	261851709	4466966316					
05	EC Reversion																				4349225					
06	RLEC Charges - Sept-2021	59209	21146	0	0	29605	17636	17770	0	0	88250	44508	11334	23805	44411	4349225	0	43884	225586	35628	715919					
07	Commission Oct-2021	0	0	0	0	0	0	10063648	0	0	0	0	0	10537234	(5635618)	0	0	0	0	2981960	17947024					
08	RTM Gain Sharing Oct-2021	0	0	0	0	0	0	(15038)	0	0	0	0	0	(182956)	(1284533)	0	0	(118739)	(73802)	0	(1615070)					
09	RCE Adjustment																			(3728153)	(3728153)					
10																					0					
11																					0					
12																					0					
13																					0					
14	URS ADJ (MSTPS-1, MSTPS-2, GSTPS & KGAS1)																				85633					
15	LC Bill (Gross) Rs	319205252	146295937	0	0	187566163	130393919	131048470	0	0	454926488	292165360	86763534	155834948	278850185	54733476	0	363809181	1618113351	264868997	4484660894					
16																										
17	Net LC Bill (Gross-Rebate)	319205252	146295937	0	0	187566163	130393919	131048470	0	0	454926488	292165360	86763534	155834948	278850185	54733476	0	363809181	1618113351	264868997	4484660894					
		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%; text-align: right;">REBATABLE Rs. 4484660894</td> </tr> <tr> <td></td> <td style="text-align: right;">NON-REBATABLE Rs. 0</td> </tr> <tr> <td></td> <td style="text-align: right;">Total Bill Rs. 4484660894</td> </tr> </table>																				REBATABLE Rs. 4484660894		NON-REBATABLE Rs. 0		Total Bill Rs. 4484660894
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		For & on behalf of NTPC Ltd.																								

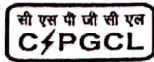
**NTPC LIMITED**  
**WESTERN REGION HEADQUARTERS, MUMBAI-400093**  
**LC BILL RAISED IN THE MONTH OF DEC 2021**

C-2021/CSEB

PARTICULARS	KSTPS	KSTPS 3	VSTPS1	VSTPS2	VSTPS3	VSTPS4	IMSTPS1	KGPS	JGPS	SIPAT-1	SIPAT-2	VSTPS5	MST-2	SLP	KISTPS 2	RSTPS	GSTPS	LARA	KHARGONE	AMT (Rs)
energy scheduled(KWH)	137874513	50481797	0	0	59416690	36952604	25546996	G10 G20	APM : 0 RLNG : 860.9 N-APM : 2047.4 Lq : 2000.4 N-APM : 874.9 RLNG : 2027	137023372	90698147	20098650	5726814	15343413	13009564	21779993	437170994	31477400		
energy Charges(PeKWH)	129.40	129.90	164.40	158.20	156.30	154.20	364.80			136.90	141.10	159.20	367.70	367.00	250.30	238.400	185.500	303.300		
paetty Charges	83082734	60382700	0	0	75990700	56358314	65956274			237074857	112967188	38204231	70680690	157519812	191627198	186740432	775984465	160314247	2100056793	
any Charges	178409820	64061400	0	0	92689298	56990915	8589931			187593210	127975085	31982723	21057495	56310326	32556655	64991171	810952194	95470554	1829789965	
IPA Charges																				
entire	9706356	3915688	0	0	0	857628	0			(8652089)	517937	(1188079)	0	0	0	0	0	0	6942641	
Access on APC	14444127	4700010	0	0	4698375	2786339	0			1452270	10020549	2051494	0	0	0	4307798	33920491	2462631	93994085	
Access on Sales	21101463	7796322	0	0	0	0	0			22993924	15879666	0	0	0	0	0	56679192	0	124446587	
Tot (Main Bills) Rs.	306744320	140858120	0	0	173557382	116961396	74186155			453322172	287494425	71050388	97738185	211830138	51717853	256039407	1677538443	25821832	4155139071	
Revisions	0	0	0	0	0	0	0			0	0	0	0	32179696	(13841)	0	0	0	32165955	
LC Charges Oct-2021	59199	21143	0	0	29555	17633	17256			88236	44540	11329	23765	44284	17543	43770	225238	35295	678806	
Transition Nov-2021	0	0	0	0	0	0	(2136567)			0	0	0	5024537	6185669	0	0	1832983	14904532	1829789965	
M Gain Sharing Nov-2021	0	0	0	0	0	0	0			0	0	0	0	(1997667)	0	0	(4085281)	0	(10879984)	
E Adjustment	0	0	0	0	0	0	0			0	0	0	0	0	0	0	(3723016)	0	(3723016)	
IC																			4273973	
3 ADJ (MSTPS-1, MSTPS-2, GSTPS & KGST)																			1271182	
Bill (Gross) Rs.	306803519	140879263	0	0	173586957	116979029	72064844			455410408	267393965	71081698	100786487	250252100	51721555	252017890	1674038565	255488984	4194030419	
LC Bill (Gross-Rebate)	306803519	140879263	0	0	173586957	116979029	72064844			455410408	267393965	71081698	100786487	250252100	51721555	252017890	1674038565	255488984	4194030419	
	REBATABLE Rs. 4194030419																			
	NON-REBATABLE Rs. 0																			
	Total Bill 4194030419																			
	NET PAYABLE (Rs.)																			
	TOTAL PAYABLE for the month																			
	NET PAYABLE (Rs.)																			

For & on behalf of NTPC Ltd.

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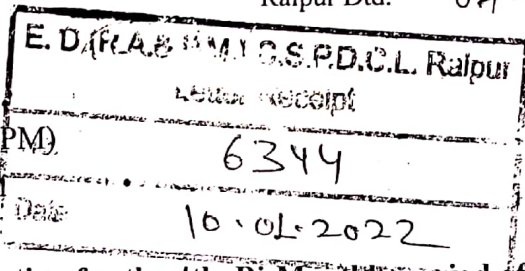


CHHATTISGARH STATE POWER GENERATION COMPANY LIMITED  
(A Govt. of C.G. Undertaking)  
Office of the Executive Director (C&RA)

NO. 03-09/ Bills-15/ 10

Raipur Dtd. 07.01.2022

To,



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

**Sub: Fuel Cost Adjustment calculation for the 4th Bi-Monthly period of FY 2021-22.**

- Ref:**
- 1) CSERC MYT Regulations 2015.
  - 2) CSERC tariff order dtd. 30/05/2020
  - 2) CSERC tariff order dtd. 02/08/2021 read with corr. Dtd 10/08/2021
  - 3) CSERC guideline vide letter no 186 dtd. 27/01/2020

In compliance to the CSERC order referred above, please find enclosed FCA Calculation amounting to Rs. **35,05,01,659** /- for the 4th Bi-Monthly period of FY 2021-22 Oct-21 & Nov-21. As per CSERC order the above FCA amount shall be claimed in two installments w.e.f. **Feb-22**

In compliance to CSERC guidelines, cost of coal of Gare Palma-III coal block (GP-III) supplied to ABVTPS & DSPM has been computed on notified rate of Coal India Ltd. commensurate with the grade of coal.

SE (PM) - P  
12/01/21  
Copy to :-

*P. Chis*  
Executive Director (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 E.D. (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-4th Bi Monthly of FY 2021-22(October-2021 & November-2021)
- 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

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### Fuel Cost Adjustment calculation for the 4th Bi-Monthly period of FY 2021-22.

All Figures in Rs.


Name of Plant	Oct-21	Nov-21	Total
HTPS	4,15,62,161	2,63,66,823	6,79,28,984
DSPM TPS	8,24,57,219	6,91,42,276	15,15,99,495
KW Extn	3,51,28,713	1,65,84,962	5,17,13,675
MTTPS	6,04,23,270	1,88,36,235	7,92,59,505
<b>Total</b>	<b>21,95,71,363</b>	<b>13,09,30,296</b>	<b>35,05,01,659</b>

RUPEES THIRTY FIVE CRORES FIVE LAKHS ONE THOUSAND SIX HUNDRED FIFTY NINE 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	MTTPS	Total
Feb-22	3,39,64,492	7,57,99,747	2,58,56,838	3,96,29,753	17,52,50,830
Mar-22	3,39,64,492	7,57,99,748	2,58,56,837	3,96,29,752	17,52,50,829
<b>Total</b>	<b>6,79,28,984</b>	<b>15,15,99,495</b>	<b>5,17,13,675</b>	<b>7,92,59,505</b>	<b>35,05,01,659</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 October-21	For Month of November-21	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.37714200	0.41741800	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.377142	0.417418	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000754284	0.000834836	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.376388	0.416583164	
g	Amount charged by the Coal / Lignite Company	(Rs.)		681429066.20	754200693.47	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)				
i	Coal Sampling fees	(Rs.)				
j	Net amount Charged by Coal Company (g+h+i)	( Rs.)		681429066.20	754200693.47	
k	Rate of Coal for the period Charged by Coal Company = $(j/(f*10^6))$	Rs/MT		1810.44	1810.44	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT	1,609.77	1810.44	1810.44	
n	Transportation Charge per Ton	Rs/MT	80.75	80.75	80.75	
o	Landed Price of Coal per MT (m+n)	Rs./MT	1,690.52	1,891.19	1,891.19	
p	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,406.00	3,511	3,652	
q	Normative SHR	Kcal/ KWh	2,650.00	2,650	2,650	
r	Normative Specific Oil Consumption	ml/ KWh	0.90	0.90	0.90	
s	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
t	Normative Auxiliary Consumption	%	9.70	9.70	9.70	
u	ECR for the Period= $((q-(rs))/(p)*(o/1000))/(1-t)$	Rs/ KWh		1.575	1.515	
v	ECR as considered in Tariff order	Rs/ KWh	1.452	1.452	1.452	
w	Change in ECR (u-v)	Rs/ KWh		0.123	0.063	
aa	Scheduled Generation during the Period	KWh		33,79,03,750	41,85,21,000	
ab	FCA Claim for the Period (wXaa)	Rs		4,15,62,161	2,63,66,823	6,79,28,984

  
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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 : Marwa Thermal Power Plant - DSPM ( consolidated => SECL + GP III )

	Month	Unit	Considered in Tariff order	For Month of October-21	For Month of November-21	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.225610110	0.323738225	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-	0.00000000	0.00000000	
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.22561011	0.32373823	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000451220	0.000647476	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.225158890	0.323090754	
g	Amount charged by the Coal / Lignite Company	(Rs.)		399616924.050	449626411.230	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		0.000	0.000	
i	Coal Sampling Fes	( Rs.)				
j	Net amount Charged by Coal Company (g+h+i)	( Rs.)		399616924.05	449626411.23	
k	Rate of Coal for the period Charged by Coal Company = (j/(fX10 <sup>6</sup> ))	Rs/MT		1774.82	1391.64	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal company (k+l)	Rs/MT		1774.82	1391.64	
n	Transportation Cost Paid to railways	Rs		51089699.00	73390750.00	
o	Transportation Charge rate paid to Railways (n/(fX10 <sup>6</sup> ))	Rs/MT		226.91	227.15	
p	Road Charges (per Ton) towards transportation	Rs/MT		126.05	401.04	
q	Total per ton Transportation Charges (o+p)			352.96	628.19	
r	Landed Price of Coal per MT ((m+q)	Rs./MT	1,921.22	2,127.78	2,019.83	
s	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,449.00	3,192	3,120.14	
t	Normative SHR	Kcal/ KWh	2,500	2,500	2,500	
u	Normative Specific Oil Consumption	ml/ KWh	0.50	0.50	0.50	
v	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
w	Normative Auxiliary Consumption	%	9.00	9.00	9.00	
x	ECR for the Period = $((1-(uxv))/(s)*(r/1000))/(1-w)$	Rs/ KWh		1.828	1.775	
y	ECR as considered in Tariff order	Rs/ KWh	1.527	1.527	1.527	
z	Change in ECR (x-y)	Rs/ KWh		0.301	0.248	
aa	Scheduled Generation during the Period	Kwh		27,39,44,250	27,87,99,500	
ab	FCA Claim for the Period (yX z)	Rs		8,24,57,219	6,91,42,276	

  
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Name of the Company : Chhattisgarh State Power Generation Company Limited  
 Name of the Power Station : Marwa Thermal Power Plant - DSPM - SECL

	Month	Unit	Considered in Tariff order	For Month of October-21	For Month of November-21
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.192158690	0.167869180
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-		
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.19215869	0.16786918
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000384317	0.000335738
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.191774373	0.167533442
g	Amount charged by the Coal / Lignite Company	(Rs.)		360471125.40	299461293.48
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)			
i	Coal Sampling Fes	(Rs.)			
j	Net amount Charged by Coal Company (g+h+i)	(Rs.)		360471125.40	299461293.48
k	Rate of Coal for the period Charged by Coal Company = (j/(fX10^6))	Rs/MT		1879.66	1787.47
l	Rate of Bonus payable to Coal Company	Rs/MT			
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1879.66	1787.47
n	Transportation Cost Paid to railways	Rs		42672545.00	34285885.00
o	Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		222.51	204.65
p	Road Charges (per Ton) towards transportation	Rs/MT			
q	Total per ton Transportation Charges (o+p)			222.51	204.65
r	Landed Price of Coal per MT ((m+q)	Rs./MT		2,102.17	1,992.12
s	Average GCV of coal / Lignite as fired	(kCal/Kg)			
t	Normative SHR	Kcal/ KWh			
u	Normative Specific Oil Consumption	ml/ KWh			
v	GCV of Secondary Fuel (Oil)	Kcal/ml			
w	Normative Auxiliary Consumption	%			
x	ECR for the Period = $((t-(uxv))/(s)*(r/1000))/(1-w)$	Rs/ KWh			
y	ECR as considered in Tariff order	Rs/ KWh			
z	Change in ECR (x-y)	Rs/ KWh			
aa	Scheduled Generation during the Period	Kwh			
ab'	FCA Claim for the Period (yX z)	Rs			

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Name of the Company : Chhattisgarh State Power Generation Company Limited  
 Name of the Power Station : Marwa Thermal Power Plant - DSPM - (GP-III)

	Month	Unit	Considered in Tariff order	For Month of October-21	For Month of November-21
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.033451420	0.155869045
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-		
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.03345142	0.15586905
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000066903	0.000311738
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.033384517	0.155557312
g	Amount charged by the Coal / Lignite Company	(Rs.)		39145798.65	150165117.75
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)			
i	Coal Sampling Fes				
j	Net amount Charged by Coal Company (g+h+i)	(Rs.)		39145798.65	150165117.75
k	Rate of Coal for the period Charged by Coal Company = (j/(fX10^6))	Rs/MT		1172.57	965.34
l	Rate of Bonus payable to Coal Company	Rs/MT			
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1172.57	965.34
n	Transportation Cost Paid to railways	Rs		8417154.00	39104865.00
o	Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		252.13	251.39
p	Road Charges (per Ton) towards transportation	Rs/MT		850.1192	832.9502
q	Total per ton Transportation Charges (o+p)			1102.25	1084.34
r	Landed Price of Coal per MT ((m+q)	Rs./MT		2,274.82	2,049.68
s	Average GCV of coal / Lignite as fired	(kCal/Kg)			
t	Normative SHR	Kcal/ KWh			
u	Normative Specific Oil Consumption	ml/ KWh			
v	GCV of Secondary Fuel (Oil)	Kcal/ml			
w	Normative Auxiliary Consumption	%			
x	ECR for the Period= (((t-(uxv));(s)*(r/1000))/(1-w)	Rs/ KWh			
y	ECR as considered in Tariff order	Rs/ KWh			
z	Change in ECR (x-y)	Rs/ KWh			
aa	Scheduled Generation during the Period	Kwh			
ab'	FCA Claim for the Period (yX z)	Rs			

Note: As per CSERC letter no. 13-EH-30/2020/186 dtd 27.01.2020, Coal cost is taken from SECL notified rates along with applicable taxes for GP-III.  
 Railway freight charges are taken on actual basis.  
 Road transport charge is as per work order allotted to "Gare palma III Collieries limited".

  
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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 KW Extn

	Description	Unit	Considered in Tariff order	For Month of October-21	For Month of November-21	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.18575700	0.20559400	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.185757	0.205594	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000371514	0.000411188	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.185385	0.205182812	
g	Amount charged by the Coal / Lignite Company	(Rs.)		33,56,30,131.42	37,14,72,091.23	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)				
i	Coal Sampling fees					
j	Net amount Charged by Coal Company (g+h+i)	( Rs.)		335630131.42	371472091.23	
k	Rate of Coal for the period Charged by Coal Company = $(j/(i*10^6))$	Rs/MT		1810.45	1810.44	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT	1,609.77	1810.45	1810.44	
n	Transportation Charge per Ton	Rs/MT	80.75	80.75	80.75	
o	Landed Price of Coal per MT (m+n)	Rs./MT	1,690.52	1,891.20	1,891.19	
p	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,401.00	3496.00	3658.00	
q	Normative SHR	Kcal/ KWh	2,375	2,375	2,375	
r	Normative Specific Oil Consumption	ml/ KWh	0.50	0.50	0.50	
s	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
t	Normative Auxiliary Consumption	%	5.25	5.25	5.25	
u	ECR for the Period= $((q-(rs))/(p)*(o/1000))/(1-t)$	Rs/ KWh		1.353	1.293	
v	ECR as considered in Tariff order	Rs/ KWh	1.243	1.243	1.243	
w	Change in ECR (u-v)	Rs/ KWh		0.11	0.05	
aa	Scheduled Generation during the Period	KWh		31,93,51,938	33,16,99,250	
ab	FCA Claim for the Period (wXaa)	Rs		3,51,28,713	1,65,84,962	5,17,13,675

  
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Details/Information for Computation of Energy Charge Rates

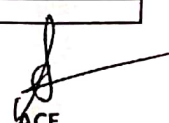
Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : Marwa Thermal Power Plant - ABVTPS ( consolidated => SECL + GP III )

	Month	Unit	Considered in Tariff order	For Month of October-21	For Month of November 21	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.264960240	0.187293580	
b	Adjustment (-/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-	0.000000000	0.000000000	
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.26496024	0.18729358	
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.002119682	0.001498349	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.262840558	0.185795231	
g	Amount charged by the Coal / Lignite Company	(Rs.)		317112695.230	198496710.990	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		88096.840	-19527064.220	
i	Coal Sampling Fes	( Rs.)				
j	Net amount Charged by Coal Company (g+h+i)	( Rs.)		317200792.07	178969646.77	
k	Rate of Coal for the period Charged by Coal Company = (j/(fX10^6))	Rs/MT		1206.82	963.26	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1206.82	963.26	
n	Transportation Cost Paid to railways	Rs		68350408.00	60829712.00	
o	Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		260.05	327.40	
p	Road Charges (per Ton) towards transportation	Rs/MT		839.2078054	641.34	
q	Total per ton Transportation Charges (o+p)			1099.26	968.74	
r	Landed Price of Coal per MT ((m+q)	Rs./MT	1,990.87	2,306.08	1,932.00	
s	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,631.00	3,744	3,283	
t	Normative SHR	Kcal/ KWh	2,378	2,378	2,378	
u	Normative Specific Oil Consumption	ml/ KWh	0.50	0.50	0.50	
v	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
w	Normative Auxiliary Consumption	%	5.25	5.25	5.25	
x	ECR for the Period= (((t-(uxv))/(s)*(r/1000))/(1-w)	Rs/ KWh		1.543	1.474	
y	ECR as considered in Tariff order	Rs/ KWh	1.373	1.373	1.373	
z	Change in ECR (x-y)	Rs/ KWh		0.170	0.101	
aa	Scheduled Generation during the Period	Kwh		35,54,31,000	18,64,97,375	
ab	FCA Claim for the Period (yX z)	Rs		6,04,23,270	1,88,36,235	

  
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Name of the Company : Chhattisgarh State Power Generation Company Limited  
 Name of the Power Station : Marwa Thermal Power Plant - ABVTPS - SECL

	Month	Unit	Considered in Tariff order	For Month of October-21	For Month of November 21
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.003400800	0.019051190
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-		
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.00340080	0.01905119
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000027206	0.000152410
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.003373594	0.018898780
g	Amount charged by the Coal / Lignite Company	(Rs.)		6563232.42	36279297.26
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		88,096.84	-1,95,27,064.22
i	Coal Sampling Fes	( Rs.)			
j	Net amount Charged by Coal Company (g+h+i)	( Rs.)		6651329.26	16752233.04
k	Rate of Coal for the period Charged by Coal Company =(j/iX10^6))	Rs/MT		1971.59	886.42
l	Rate of Bonus payable to Coal Company	Rs/MT			
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1971.59	886.42
n	Transportation Cost Paid to railways	Rs		926747.00	4923384.00
o	Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		274.71	260.51
p	Road Charges (per Ton) towards transportation	Rs/MT			
q	Total per ton Transportation Charges (o+p)			274.71	260.51
r	Landed Price of Coal per MT ((m+q)	Rs./MT		2,246.30	1,146.93
s	Average GCV of coal / Lignite as fired	(kCal/Kg)			
t	Normative SHR	Kcal/ KWh			
u	Normative Specific Oil Consumption	ml/ KWh			
v	GCV of Secondary Fuel (Oil)	Kcal/ml			
w	Normative Auxiliary Consumption	%			
x	ECR for the Period= (((t-(uxv))/(s)*(#/1000))/(1-w)	Rs/ KWh			
y	ECR as considered in Tariff order	Rs/ KWh			
z	Change in ECR (x-y)	Rs/ KWh			
aa	Scheduled Generation during the Period	Kwh			
ab'	FCA Claim for the Period (yX z)	Rs			
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Name of the Company : Chhattisgarh State Power Generation Company Limited  
 Name of the Power Station : Marwa Thermal Power Plant - ABVTPS - (GP-III)

	Month	Unit	Considered in Tariff order	For Month of October-21	For Month of November 21
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.261559440	0.16824239
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-		
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.26155944	0.16824239
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.002092476	0.001345939
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.259466964	0.166896451
g	Amount charged by the Coal / Lignite Company	(Rs.)		310549462.81	162217413.73
h	Adjustment (-/-) in amount charged made by Coal/Lignite Company	(Rs.)			
i	Coal Sampling Fes				
j	Net amount Charged by Coal Company (g+h+i)	( Rs.)		310549462.81	162217413.73
k	Rate of Coal for the period Charged by Coal Company = (j/(fX10^6))	Rs/MT		1196.87	971.96
l	Rate of Bonus payable to Coal Company	Rs/MT			
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1196.87	971.96
n	Transportation Cost Paid to railways	Rs		67423661.00	55906328.00
o	Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		259.85	334.98
p	Road Charges (per Ton) towards transportation	Rs/MT		850.1192	713.9644
p(i)	Road Charges towards transportation - Robertson siding	Rs			77873497.0792
p(ii)	Road Charges towards transportation - Gharghoda siding	Rs			42245586.5305
q	Total per ton Transportation Charges (o+p)			1109.97	1048.94
r	Landed Price of Coal per MT ((m+q)	Rs./MT		2,306.84	2,020.90
s	Average GCV of coal / Lignite as fired	(kCal/Kg)			
t	Normative SHR	Kcal/ KWh			
u	Normative Specific Oil Consumption	ml/ KWh			
v	GCV of Secondary Fuel (Oil)	Kcal/ml			
w	Normative Auxiliary Consumption	%			
x	ECR for the Period= ((t-(uxv))/(s)*(1000))/(1-w)	Rs/ KWh			
y	ECR as considered in Tariff order	Rs/ KWh			
z	Change in ECR (x-y)	Rs/ KWh			
aa	Scheduled Generation during the Period	Kwh			
ab'	FCA Claim for the Period (yX z)	Rs			

Note: As per CSERC letter no. 13-EH-30/2020/186 dtd 27.01.2020, Coal cost is taken from SECL notified rates along with applicable taxes for GP-III.  
 Railway freight charges are taken on actual basis.  
 Road transport charge is as per work order allotted to "Gare palma III Collieries limited".

  
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Details/Information for Computation of Energy Charge Rates for FCA for -- <sup>October</sup> 2021

of the Company : Jhatsigarh State Power Generation Company Limited

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

Month	Unit	Considered in Tariff order	Oct-21	
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.37714200
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-	0
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)	-	0.37714200
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.)	-	68,14,29,066.20
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	-	-
i	Net amount Charged by Coal Company (g+h)	(Rs.)	-	68,14,29,066.20
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		
m	Transportation Charge per Ton	Rs/MT		
n	Landed Price of Coal per MT (l+m)	Rs./MT		
o	Average GCV of coal / Lignite as fired	(kCal/Kg)	3406	
p	Normative SHR	Kcal/ KWh	2650	
q	Normative Specific Oil Consumption	ml/ KWh	0.9	
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	1.502	
v	Change in ECR (t-u)	Rs/ KWh		
w	Net Generation during the Period	KWh		
x	FCA Claim for the Period (vXw )	Rs		

NOTE---

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

  
Executive Engineer  
HTPS, CSPGCL, Korba West

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October

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	Oct-21
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.18575700
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-	0
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)	-	0.18575700
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.)	-	33,56,30,131.42
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	-	
i	Net amount Charged by Coal Company (g+h)	(Rs.)	-	33,56,30,131.42
j	Rate of Coal for the period Charged by Coal Company = $(i/(f*10^6))$	Rs/MT		
k	Rate of Borus payable to Coal Company	Rs/MT		
l	Net Rate of coal payable to coal compnay (j+k)	Rs/MT		
m	Transportation Charge per Ton	Rs/MT		
n	Landed Price of Coal per MT (l+m)	Rs/MT		
o	Average GCV of coal / Lignite as fired	(kCal/Kg)	3401	
p	Normative SHR	Kcal/ KWh	2375	
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= $((p-(qxr))/(0.1*(n/1000))/(1-s))$	Rs/ KWh		
u	ECR as considered in Tariff order	Rs/ KWh	1.269	
v	Change in ECR (t-u)	Rs/ KWh		
w	Net Generation during the Period	KWh		
x	FCA Claim for the Period (vXw )	Rs		

NOTE--

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

Executive Engineer  
 HTPS, CSPGCL, Korba West