

O/o E.D. (EITC)  
CSPDCL Raipur  
Receipt No. 3571  
Date 17 NOV 2020  
AGM (IT)  
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**CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LIMITED**

(A Government of Chhattisgarh Undertaking) (A Successor Company of CSEB)  
CIN U40108CT2003SGC015822

**OFFICE OF CHIEF ENGINEER (RA&PM), CSPDCL**

Email ID: cecomcseb@rediff.com, website: www.cspdcl.co.in  
Phone (0771) 2574441, Fax (0771) 2574442

No.02-02/SE-I/VCA/

1861

Raipur, Date 12.11.2020

To,

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

Sub: Computation of VCA charge in respect of Aug'2020 & Sep'2020 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 Aug'2020 & Sep'2020 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. 0.17 per unit
2	DLF consumers 101 to 200 units	Rs. 0.17 per unit
3	DLF consumers above 200 units	Rs. 0.17 per unit
4	Agriculture Consumers	Rs. 0.17 per unit
5	Rest all categories	Rs. 0.17 per unit

These VCA charges are recoverable from electricity consumers for the consumption in the months of Nov'2020 and Dec'2020 payable in the months of Dec'2020 and Jan'2021 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.

Chief Engineer (RA&PM)  
CSPDCL: Raipur

Not in original: -

Copy to:

- ✓ 1) The Chief Engineer (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 Nov'2020 and Dec'2020 payable in the months of Dec'2020 and Jan'2021 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 2020-21 completes.
- 2) The Chief Engineer (O&M) CSPDCL, Raipur.
- 3) The Executive Director (BR)/(RRR)/(RJR-R)/(JR)/(DR) CSPDCL  
Bilaspur/Raipur/Rajnandgaon/Jagdapur/Durg.
- 4) The Chief Engineer (Rev.)/(AR)/(RCR)/(RGR-R) CSPDCL,  
Ambikapur/Raipur/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 (3<sup>rd</sup> bi-monthly period of FY 2020-21)**

**(A) CHFC: -**

Month	KTPS	HTPS	DSPM TPS	Korba(W) Extn.	Total Amt.in Rs.
Aug-20	1,82,39,419	53,85,139	6,53,31,168	23,55,209	<b>9,13,10,935</b>
Sep-20	1,43,64,123	-48,83,958	10,17,99,295	-47,13,908	<b>10,65,65,552</b>
<b>Total in Rs.</b>	<b>3,26,03,542</b>	<b>5,01,181</b>	<b>16,71,30,463</b>	<b>-23,58,699</b>	<b>19,78,76,487</b>

**(B) CHPP:**

- (i) Total units purchased from NTPC and NSPCL : 192,01,75,374 KWh
- (ii) Amount paid against units purchased : Rs. 704,93,61,597
- (iii) Rate per unit : Rs. 3.67 /KWh
- (iv) Average rate approved by CSERC for purchase of power from Central generating stations (NTPC & NSPCL only) : Rs. 3.34/KWh
- (v) Diff. in rate (iii-iv) : Rs. 0.33/KWh
- (vi) CHPP (in Rs.) (i)x(v) : Rs. 63,36,57,873
- C. Gross VCA (A+B) in Rs : Rs. 83,15,34,360
- D. Total quantum of power purchased during the period : 585,95,33,485 Kwh
- E. Quantum of power purchased for sale to retail consumers of the State : 502,45,11,876 KWh
- F. Allowable VCA (in Rs.)(C\*(E/D)) : Rs. 71,30,35,309
- G. Normative transmission & distribution losses as specified in Tariff order : 16.08%
- H. Allowable VCA Charges(Rs./Kwh) (F/E\*(1-G)) : **Rs. 0.17 per KWh**

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

- 1 DLF consumers up to 100 units Rs. 0.17 per unit
- 2 DLF consumers 101 to 200 units Rs. 0.17 per unit
- 3 DLF consumers above 200 units Rs. 0.17 per unit
- 4 Agriculture Consumers Rs. 0.17 per unit
- 5 Rest all categories Rs. 0.17 per unit

To be recovered from energy bill for the consumption in the months of Nov'2020 and Dec'2020 payable in the months of Dec'2020 and Jan'2021 respectively.

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## Computation of CHPP

S.No.	Particulars		
1	Scheduled energy purchased from CGs during 3rd bi-monthly period of FY 2020-21	Kwh	1,92,01,75,374
2	Amount paid against units purchased	Rs.	7,04,93,61,597
3	Average rate of power purchase	Rs./Kwh	3.67
4	Average rate of Power Purchase as per Tariff Order	Rs./Kwh	3.34
5	Difference in the average rate of PP	Rs./Kwh	0.33
6	CHPP(Change in the cost of power purchased from CGs)	Rs.	633657873

## Computation of VCA (3rd Bi-monthly period of FY 2020-21)

S.No.	Particulars			
1	CHFC		Rs.	197876487
2	CHPP		Rs.	633657873
3	Gross VCA(sub total in Rs.)	CHFC+CHPP	Rs.	831534360
4	Allowable VCA(in Rs.)	Gross VCA (in Rs.) $\times \frac{Q_{rs}}{Q_{pp}}$	Rs.	713035309
5	Allowable VCA(in Rs/Kwh)	Allowable VCA (in Rs.)/[Qrs*(1-L)]	Rs./Kwh	0.17

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## Computation of Qpp and Qrs (3rd Bi-monthly of FY 2020-21)

S No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	$Q_1$	2953384070 ✓	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations(Bango)	$Q_2$	168025221 ✓	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations(Small Hydle Station of CSPGCL + CoGen Kawardha)	$Q_3$	12102819 ✓	KwH
4	Quantum of scheduled power purchased from CGs at state periphery (CSPTrdCL+NTPC+NSPCL+NPCIL+OHPCL+NHPCL+Bundle Power+SECI)	$Q_4$	2486746629 ✓	KwH
5	PGCIL actual losses for the bi-monthly period	L1	2.81% ✓	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L1)$	2416869049 ✓	KwH
7	Quantum of actual power purchased from Renewable energy Sources	$Q_6$	249665680 ✓	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)	$Q_8$	12935000 ✓	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery (IEX)	$Q_9=Q_8(1-L1)$	12571527 ✓	KwH
11	Quantum of power purchased from other Sources(if any)(Short term + Border Village+Un schduled)	$Q_{10}$	46915120 ✓	KwH
12	Total Quantum of power purchased	$Q_{pp}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	5859533486 ✓	KwH
13	Normative transmission and distribution losses as specified in the Tariff order	L	16.08% ✓	
14	Quantum of power scheduled for interstate sale(Sale through IEX+Sale to Telangana)	$Q_{PT}$	835021610 ✓	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{pp}-Q_{PT}$	5024511876 ✓	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)

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

Energy Bill : 01.08.2020 - 31.08.2020

Bill Date : 05.09.2020

Bill No. 6300223

Beneficiary Name : Chhatisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	%	Energy Schd.	11,426,258.00 kwh
NAPAF	85.000 %		

Energy Charge Rate (ECR)		(GHR - SFC x CVSF) x LPPF / CVPF + SEC x LPSFI + LC x LPL x 100 / (100 - AUX)	
ECR	2.5220 Rs/kwh		

Base Values		Month Values	
AUX	9.000 %	CVSF	9.9670 Kcal/ml
GHR	2415.000 kCAL/kwh	LPPF	3.0125 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3271.506 kCal/Kg
		LPSFI	.034477 Rs/ml

ED / Cess on APC		ED Duty on Cess/Taxes	
Total SG for Station	279,081,140.00 kwh	ED/Cess/Taxes Rate	0.050 Rs./kvah
SAIL TEED	kwh	ED Rate on APC	0.607 Rs./kwh
		Energy Schd. for Benf.	11,426,258.00 kwh
		ED/Cess/Taxes Amt.	571,313.00 Rs.
		ED on APC Amt.	546,707.00 Rs.

Provisional Bill Period		Final Previous Period	
APC excl. Colony Cons.	21,998,450.00 kwh	Plant APC excl. Colony	25,952,257.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	900,669.84 kwh	Applicable APC for ED	1,929,015.31 kwh
Provisional Previous Period		Difference	
APC excl. Colony	25,952,257.00 kwh	Appl. APC ED (Curr. Bill)	900,669.84 kwh
Power factor	1.0000		
Appl. APC for ED	1,929,015.31 kwh		

Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	2.5900 Rs./kwh	ECR-Rev Prev. Period	2.5760 Rs./kwh
ECR-Rev. Prev. Period	2.5760 Rs./kwh	Schd. Energy (last bill)	21,944,493.00 kwh
Difference	0.014- Rs./kwh	Schd. Energy ( REA )	21,944,493.00 kwh
Energy Schd Prev Period	21,944,493.00 kwh	Diff. of Sched. Energy	kwh
Oth Adj due to ECR Rev.	307,222.90- Rs.	Adj. due to Rev. Energy	0.00 Rs.

Other Charges		Rebate & Surcharge Details	
WRLDC fees & charges amt.	11,143.00 Rs.	Cap. Charges Prev Period	Rs.
Uldc charges	0.00 Rs.	Energy Charges Prev Period	56,836,237.87 Rs.
Poc charges (BSP)	0.00 Rs.	Other Adj. Prev Period	Rs.
Tariff filling fee	0.00 Rs.	Total Applicable	56,836,237.87 Rs.
Miscellaneous charges	0.00 Rs.	Rebate	%
Total Other Charges billed	11,143.00 Rs.	Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.

पंजीकृत कंपनी का कार्यालय : बसुंधरा ताल, 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





एनटीपीसी-सेल पावर कंपनी लिमिटेड  
(एनटीपीसी और सेल का संयुक्त उपक्रम)

**NTPC-SAIL Power Company Limited**  
(A joint venture of NTPC & SAIL)

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

Energy Bill : 01.09.2020 - 30.09.2020

Bill Date : 06.10.2020

Bill No. 6300227

Beneficiary Name : Chhatisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	%	Energy Sched.	18,078,767.00 kwh
NAPAF	85.000 %		

Energy Charge Rate (ECR)		Formula	
ECR	2.5850 Rs/kwh	$(GHR - SFC \times CVSF) \times LPPF / CVPF + SFC \times LPSFI + LC \times LPL \times 100 / (100 - AUX)$	

Base Values		Month Values	
AUX	9.000 %	CVSF	9.9540 Kcal/ml
GHR	2415.000 kCAL/kwh	LPPF	3.0991 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3282.730 kCal/Kg
		LPSFI	.034938 Rs/ml

ED / Cess on APC		ED Duty on Cess/Taxes	
Total SG for Station	304,334,752.00 kwh	ED/Cess/Taxes Rate	0.050 Rs./kvah
SAIL TEED	kwh	ED Rate on APC	0.607 Rs./kwh
		Energy Sched. for Benf.	18,078,767.00 kwh
		ED/Cess/Taxes Amt.	903,938.00 Rs.
		ED on APC Amt.	952,327.00 Rs.

Provisional Bill Period		Final Previous Period	
APC excl. Colony Cons.	26,410,708.00 kwh	Plant APC excl. Colony	21,998,450.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	1,568,907.37 kwh	Applicable APC for ED	900,669.84 kwh
		Difference	kwh
		Appl. APC ED (Curr. Bill)	1,568,907.37 kwh

Provisional Previous Period		Adjustment due to Revised REA	
APC excl. Colony	21,998,450.00 kwh	ECR-Rev Prev. Period	2.5160 Rs./kwh
Power factor	1.0000	Sched. Energy (last bill)	11,426,258.00 kwh
Appl. APC for ED	900,669.84 kwh	Sched. Energy ( REA )	11,426,258.00 kwh
		Diff. of Sched. Energy	kwh
		Adj. due to Rev. Energy	0.00 Rs.

Adjustment due to Revised ECR		Rebate & Surcharge Details	
ECR Prev. Period	2.5220 Rs./kwh	Cap. Charges Prev Period	Rs.
ECR-Rev. Prev. Period	2.5160 Rs./kwh	Energy Charges Prev Period	28,817,023.68 Rs.
Difference	0.006- Rs./kwh	Other Adj. Prev Period	Rs.
Energy Sched Prev Period	11,426,258.00 kwh	Total Applicable	28,817,023.68 Rs.
Oth Adj due to ECR Rev.	68,557.55- Rs.	Rebate	%
		Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.

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

दूरभाष / Tel: 011-26717378-79-80-82, 26712273/ 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 Executive Director (C&RA)

NO. 03-09/ Bills-15/580

Raipur Dtd.

31-Oct-2020

To,

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


C.E. (R.A.& P.M.) CSPDCL, Raipur Letter Receipt	
No.	4841
Date	02.11.2020

**Sub: Fuel Cost Adjustment calculation for the 3rd Bi-Monthly period of FY 2020-21.**

- Ref:**
- 1) CSERC MYT Regulations 2015.
  - 2) CSERC tariff order dtd. 30/05/2020
  - 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. **440,762,316** /- for the 3rd Bi-Monthly period of FY 2020-21 (Aug-20 & Sept-20). As per CSERC order the above FCA amount shall be claimed in two installments w.e.f. **Dec-20**

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

  
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 C.E. (O&M:Gen) CSPGCL, Raipur
- 3 The G.M. (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/cspgc under the link Fuel Cost Adjustment-3rd Bi Monthly of FY 2020-21 Aug-2020 to Sept-2020)
- 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 3rd Bi-Monthly period of FY 2020-21.

All Figures in Rs.

Name of Plant	Aug-20	Sep-20	Total
KTPS	18239419	14,364,123	32,603,542
HTPS	5385139	-4,883,958	501,181
DSPM TPS	65331168	101,799,295	167,130,463
KW Extn	2355209	-4,713,908	-2,358,699
MTTPS	156645485	86,240,344	242,885,829
<b>Total</b>	<b>247,956,420</b>	<b>192,805,896</b>	<b>440,762,316</b>

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

All Figures in Rs.

Month	KTPS	HTPS	DSPM TPS	KW Extn	MTTPS	Total
Dec-20	16,301,771	250,591	83,565,232	-1,179,350	121,442,915	220,381,159
Jan-21	16,301,771	250,590	83,565,231	-1,179,349	121,442,914	220,381,157
<b>Total</b>	<b>32,603,542</b>	<b>501,181</b>	<b>167,130,463</b>	<b>-2,358,699</b>	<b>242,885,829</b>	<b>440,762,316</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 (East) Thermal Power Station - KTPS

	Description	Unit	Considered in Tariff order	For Month of Aug-20	For Month of Sep-20	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.094536100	0.093509900	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.094536100	0.093509900	
d	Normative Transit & Handling Losses	%	1.15%	1.15%	1.15%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.001087165	0.001075364	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.093448935	0.092434536	
g	Amount charged by the Coal / Lignite Company	(Rs.)		158,367,411.69	156,648,315.73	
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.)		158,367,411.69	156,648,315.73	
k	Rate of Coal for the period Charged by Coal Company = (j/(f*10 <sup>6</sup> ))	Rs/MT		1694.69	1694.69	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1694.69	1694.69	
n	Transportation Charge per Ton	Rs/MT	177.98	177.98	177.98	
o	Landed Price of Coal per MT (m+n)	Rs./MT	1,641.03	1872.67	1872.67	
p	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,080.85	3,193	3,244.00	
q	Normative SHR	Kcal/ KWh	3,110	3,110	3,110	
r	Normative Specific Oil Consumption	ml/ KWh	2.00	2.00	2.00	
s	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
t	Normative Auxiliary Consumption	%	11.25	11.25	11.25	
u	ECR for the Period= ((q-(rs))/(o*(o/1000)/(1-t))	Rs/ KWh		2.042	2.010	
v	ECR as considered in Tariff order	Rs/ KWh	1.855	1.855	1.855	
w	Change in ECR (u-v)	Rs/ KWh		0.187	0.155	
aa	Scheduled Generation during the Period	KWh		97,537,000	92,671,760	
ab	FCA Claim for the Period (u*aa )	Rs		18,239,419	14,364,123	32,603,542

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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

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	Description	Unit	Considered in Tariff order	For Month of Aug-20	For Month of Sep-20	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.334451	0.379383	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.334451	0.379383	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000668902	0.000758766	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.333782098	0.378624234	
g	Amount charged by the Coal / Lignite Company	(Rs.)		596622001.84	676774621.17	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-47410865.15		
i	Coal Sampling fees	(Rs.)				
j	Net amount Charged by Coal Company (g+h+i)	( Rs.)		549211136.69	676774621.17	
k	Rate of Coal for the period Charged by Coal Company = (j/(f*10^6))	Rs/MT		1645.42	1787.46	
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	1645.42	1787.46	
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	1,726.17	1,868.21	
p	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,406.33	3,445	3,796	
q	Normative SHR	Kcal/ KWh	2,650.00	2,650	2,650	
r	Normative Specific Oil Consumption	ml/ KWh	0.80	0.80	0.80	
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-(rxs))/(p)*(o/1000))/(1-t)	Rs/ KWh		1.466	1.440	
v	ECR as considered in Tariff order	Rs/ KWh	1.452	1.452	1.452	
w	Change in ECR (u-v)	Rs/ KWh		0.014	-0.012	
aa	Scheduled Generation during the Period	KWh		384,652,750	406,996,490	
ab	FCA Claim for the Period (wXaa)	Rs		5,385,139	-4,883,958	501,181

  
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Details/Information for Computation of Energy Charge Rates

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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 Aug-20	For Month of Sep-20	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.164730	0.186860	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.164730	0.186860	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000329460	0.000373720	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.164400540	0.186486280	
g	Amount charged by the Coal / Lignite Company	(Rs.)		293,858,597.82	333,336,753.64	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-23351623.27		
i	Coal Sampling fees					
j	Net amount Charged by Coal Company (g+h+i)	(Rs.)		270506974.55	333336753.64	
k	Rate of Coal for the period Charged by Coal Company = (j/(f*10^6))	Rs/MT		1645.41	1787.46	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal company (k+l)	Rs/MT	1,609.77	1645.41	1787.46	
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	1,726.16	1,868.21	
p	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,400.59	3451.00	3802.00	
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	
	ECR for the Period = (((q-rxs))/(p)*(o/1000))/(1-t)	Rs/ KWh		1.251	1.229	
v	ECR as considered in Tariff order	Rs/ KWh	1.243	1.243	1.243	
w	Change in ECR (u-v)	Rs/ KWh		0.008	-0.014	
aa	Scheduled Generation during the Period	KWh		294,401,130	336,707,690	
ab	FCA Claim for the Period (wXaa)	Rs		2,355,209	-4,713,908	-2,358,699

  
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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 : Dr. Shyama Prasad Mukharjee Thermal Power Station - DSPM TPS

	Description	Unit	Considered in Tariff order	For Month of Aug-20	For Month of Sep-20	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite	(MMT)		0.25232494	0.19259402	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.25232494	0.19259402	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000504650	0.000385188	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.251820290	0.192208832	
g	Amount charged by the Coal / Lignite Company	(Rs.)		467852879.39	403476153.11	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)			-156,709.84	
i	Coal Sampling fees	(Rs.)				
j	Net amount Charged by Coal Company (g+h+i)	( Rs.)		467,852,879.39	403,319,443.27	
k	Rate of Coal for the period Charged by Coal Company = (j/(fX10^6))	Rs/MT		1857.88	2098.34	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1857.88	2098.34	
n	Transportation Cost Paid to railways	Rs		93350894.00	65366664.00	
o	Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		370.70	340.08	
p	Other Charges (per Ton) towards transportation	Rs/MT				
q	Total per ton Transportation Charges (o+p)			370.70	340.08	
r	Landed Price of Coal per MT ((l+q)	Rs./MT	1,921.22	2228.58	2438.42	
s	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,449.20	3484.58	3503.66	
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	10.00	10.00	10.00	
w	Normative Auxiliary Consumption	%	9.00	9.00	9.00	
x	ECR for the Period= ((t-(uxv))/(s)*(r/1000))/(1-w)	Rs/ KWh		1.754	1.908	
y	ECR as considered in Tariff order	Rs/ KWh	1.527	1.527	1.527	
z	Change in ECR (x-y)	Rs/ KWh		0.227	0.381	
aa	Scheduled Generation during the Period	Kwh		287,802,500	267,189,750	
ab	FCA Claim for the Period (zX aa)	Rs		65,331,168	101,799,295	167,130,463

  
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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 - MTPP

	Month	Unit	Considered in Tariff order	For Month of Aug-20	For Month of Sep-20	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.256657180	0.249702620	
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)		0.25665718	0.24970262	
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.002053257	0.001997621	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.254603923	0.247704999	
g	Amount charged by the Coal / Lignite Company	(Rs.)		427238010.56	394303913.49	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-21,176,366.60	0.00	
i	Coal Sampling Fes	( Rs.)				
j	Net amount Charged by Coal Company (g+h+i)	( Rs.)		406061643.96	394303913.49	
k	Rate of Coal for the period Charged by Coal Company = $(j/(f \times 10^6))$	Rs/MT		1594.88	1591.83	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1594.88	1591.83	
n	Transportation Cost Paid to railways	Rs		78018246.00	69032140.00	
o	Transportation Charge rate paid to Railways $(n/(f \times 10^6))$	Rs/MT		306.43	278.69	
p	Road Charges (per Ton) towards transportation	Rs/MT		389.68	473.36	
q	Total per ton Transportation Charges (o+p)			696.11	752.05	
r	Landed Price of Coal per MT $((m+q)$	Rs./MT	1,535	2,290.99	2,343.88	
s	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,280.29	3,365	3,562	
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		1.705	1.648	
y	ECR as considered in Tariff order	Rs/ KWh	1.373	1.373	1.373	
z	Change in ECR (x-y)	Rs/ KWh		0.332	0.275	
aa	Scheduled Generation during the Period	Kwh		471,823,750	313,601,250	
ab	Net FCA payable			156,645,485	86,240,344	242,885,829

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

	Month	Unit	Considered in Tariff order	For Month of Aug-20	For Month of Sep-20
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.119952560	0.08813862
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-		
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.11995256	0.08813862
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000959620	0.000705109
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.118992940	0.087433511
g	Amount charged by the Coal / Lignite Company	(Rs.)		256593232.52	185335816.08
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-21,176,366.60	
i	Coal Sampling Fes	(Rs.)			
j	Net amount Charged by Coal Company (g+h+i)	(Rs.)		235416865.92	185335816.08
k	Rate of Coal for the period Charged by Coal Company $= (j / (f \times 10^6))$	Rs/MT		1978.41	2119.73
l	Rate of Bonus payable to Coal Company	Rs/MT			
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1978.41	2119.73
n	Transportation Cost Paid to railways	Rs		41768733.00	27894869.00
o	Transportation Charge rate paid to Railways $(n / (f \times 10^6))$	Rs/MT		351.02	319.04
p	Road Charges (per Ton) towards transportation	Rs/MT			
q	Total per ton Transportation Charges (o+p)			351.02	319.04
r	Landed Price of Coal per MT $((m+q)$	Rs./MT	1,535	2,329.43	2,438.77
s	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,280.29		
t	Normative SHR	Kcal/ KWh	2,378		
u	Normative Specific Oil Consumption	ml/ KWh	0.50		
v	GCV of Secondary Fuel (Oil)	Kcal/ml	10		
w	Normative Auxiliary Consumption	%	5.25		
x	ECR for the Period= $((t-(uxv)) / (s) * (r / 1000)) / (1-w)$	Rs/ KWh			
y	ECR as considered in Tariff order	Rs/ KWh	1.373		
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 - MTPP(GP-III)

	Month	Unit	Considered in Tariff order	For Month of Aug-20	For Month of Sep-20
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.136704620	0.16156400
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-		
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.13670462	0.16156400
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.001093637	0.001292512
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.135610983	0.160271488
g	Amount charged by the Coal / Lignite Company	(Rs.)		170644778.04	208968097.41
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. )		170644778.04	208968097.41
k	Rate of Coal for the period Charged by Coal Company = $(j/(f \times 10^6))$	Rs/MT		1258.34	1303.84
l	Rate of Bonus payable to Coal Company	Rs/MT			
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1258.34	1303.84
n	Transportation Cost Paid to railways	Rs		36249513.00	41137271.00
o	Transportation Charge rate paid to Railways $(n/(f \times 10^6))$	Rs/MT		267.31	256.67
p	Road Charges (per Ton) towards transportation	Rs/MT		731.60	731.60
q	Total per ton Transportation Charges (o+p)			998.91	988.27
r	Landed Price of Coal per MT $((m+q)$	Rs./MT	1,535	2,257.25	2,292.11
s	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,280.29		
t	Normative SHR	Kcal/ KWh	2,378		
u	Normative Specific Oil Consumption	ml/ KWh	0.50		
v	GCV of Secondary Fuel (Oil)	Kcal/ml	10		
w	Normative Auxiliary Consumption	%	5.25		
x	ECR for the Period= $((t-(uxv))/(s)*(r/1000))/(1-w)$	Rs/ KWh			
y	ECR as considered in Tariff order	Rs/ KWh	1.373		
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-3.

Railway freight charges are taken on actual basis.

Road transport charge is as per work order allotted by "Gare palma III Collieries limited".

  
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