

O/o E.D. (EITC)
CSPDCL Raipur
Receipt No. 1888
Date 11 JAN 2021
AGM (IT)
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Section



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-IVCA/ 2356

Raipur, Date 14.01.2021

To,

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

Sub: Computation of VCA charge in respect of Oct'2020 & Nov'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 Oct'2020 & Nov'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. 0.18 per unit
3	DLF consumers above 200 units	Rs. 0.24 per unit
4	Agriculture Consumers	Rs. 0.24 per unit
5	Rest all categories	Rs. 0.24 per unit

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

Manager (ET)

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 Jan'2021 and Feb'2021 payable in the months of Feb'2021 and March'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.

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Computation of VCA Charges (4th bi-monthly period of FY 2020-21)

(A) CHFC: -

Month	KTPS	HTPS	DSPM TPS	Korba (W) Extn.	Total Amt. in Rs.
Oct-20	1,59,76,067	2,54,66,929	9,22,16,394	1,62,24,216	14,98,83,606
Nov-20	3,05,27,765	1,93,97,497	3,70,69,170	1,45,59,518	10,15,53,950
Total in Rs.	4,65,03,832	4,48,64,426	12,92,85,564	3,07,83,734	25,14,37,556

(B) CHPP:

- (i) Total units purchased from NTPC and NSPCL : 196,86,44,132 KWh
- (ii) Amount paid against units purchased : Rs. 747,88,65,180
- (iii) Rate per unit : Rs. 3.80 /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. 0.46/KWh
- (vi) CHPP (in Rs.) (i)x(v) : Rs. 90,55,76,301
- C. Gross VCA (A+B) in Rs : Rs. 115,70,13,857
- D. Total quantum of power purchased during the period : 571,23,01,568 Kwh
- E. Quantum of power purchased for sale to retail consumers of the State : 459,45,55,168 KWh
- F. Allowable VCA (in Rs.)[C*(E/D)] : Rs. 93,06,16,833
- G. Normative transmission & distribution losses as specified in Tariff order : 16.08%
- H. Allowable VCA Charges(Rs./Kwh) (F/E*(1-G)) : **Rs. 0.24 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. 0.18 per unit |
| 3 | DLF consumers above 200 units | Rs. 0.24 per unit |
| 4. | Agriculture Consumers | Rs. 0.24 per unit |
| 5. | Rest all categories | Rs. 0.24 per unit |

To be recovered from energy bill for the consumption in the months of Jan'2021 and Feb'2021 payable in the months of Feb'2021 and March'2021 respectively.

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Computation of CHPP

S.No.	Particulars			
1	Scheduled energy purchased from CGs during 4th bi-monthly period of FY 2020-21	Kwh	1,96,86,44,132	
2	Amount paid against units purchased	Rs.	7,47,88,65,180	
3	Average rate of power purchase	Rs./Kwh	3.80	
4	Average rate of Power Purchase as per Tariff Order	Rs./Kwh	3.34	
5	Difference in the average rate of PP	Rs./Kwh	0.46	
6	CHPP(Change in the cost of power purchased from CGs)	Rs.	905576301	

Computation of VCA (4th Bi-monthly period of FY 2020-21)

S.No.	Particulars			
1	CHFC		Rs.	251437556
2	CHPP		Rs.	905576301
3	Gross VCA(sub total in Rs.)	CHFC+CHPP	Rs.	1157013857
4	Allowable VCA(in Rs.)	Gross VCA (in Rs.) \times $\frac{Q_{Rs}}{Q_{pp}}$	Rs.	930616833
5	Allowable VCA(in Rs/Kwh)	Allowable VCA (in Rs.)/[Qrs*(1-L)]	Rs./Kwh	0.24


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Computation of Qpp and Qrs (4th Bi-monthly of FY 2020-21)

	Particulars			
	Quantum of actual power purchased from CSPGCL thermal Power stations	Q_1	2843925820	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations(Bango)	Q_2	40399017	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations(Small Hydle Station of CSPGCL + CoGen Kawardha)	Q_3	2389483	KwH
4	Quantum of scheduled power purchased from CGs at state periphery (CSPTrdCL+NTPC+NSPCL+NPCIL+OHPCL+NHPCL+Bundle Power+SECI)	Q_4	2611709585	KwH
5	PGCIL actual losses for the bi-monthly period	L1	2.59%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L1)$	2544066307	KwH
7	Quantum of actual power purchased from Renewable energy Sources	Q_6	221035487	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	5160000	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery (IEX)	$Q_9=Q_8(1-L1)$	5026356	KwH
11	Quantum of power purchased from other Sources(if any)(Short term + Border Village+Un schduled)	Q_{10}	55459098	KwH
12	Total Quantum of power purchased	$Q_{pp}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	5712301568	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}	1117746400	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{pp}-Q_{PT}$	4594555168	KwH

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CHFC-

Month	KTPS	HTPS	DSPM TPS	Korba(W) Extn.	Total Amt.in Rs.
Oct-20	1,59,76,067	2,54,66,929	9,22,16,394	1,62,24,216	14,98,83,606
Nov-20	3,05,27,765	1,93,97,497	3,70,69,170	1,45,59,518	10,15,53,950
Total in Rs.	4,65,03,832	4,48,64,426	12,92,85,564	3,07,83,734	25,14,37,556

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



03-09/ Bills-15/ 698

To,

Raipur Dtd.

31-Dec-2020

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

L (RA&PM) CSPDCL Raipur	
Letter No.	
No.	6251
Date	31.12.2020

Sub: Fuel Cost Adjustment calculation for the 4th 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. **440,264,119** /- for the 4th Bi-Monthly period of FY 2020-21 (Oct-20 & Nov-20). As per CSERC order the above FCA amount shall be claimed in two installments w.e.f. **Feb-21**

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.

SE (PM) I

Executive Director (C&RA)
CSPGCL: Raipur

Copy to :-

31.12.2020

- 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/cspgcl) under the link Fuel Cost Adjustment-4th Bi Monthly of FY 2020-21 (Oct-2020 to Nov-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

Shed No. 06, Vidyut Sewa Bhawan Complex, Dangania, Raipur 492013; CIN no. U40108CT2003SGC015821
Phone No. 0771-2574097; Fax : 0771-2574806; Email : ce.cncp@gmail.com; Web site: www.cseb.gov.in/cspgcl

Handwritten signature and date 31.12.21

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Cost Adjustment calculation for the 4th Bi-Monthly period of FY 2020-21.

All Figures in Rs.

Month	Oct-20	Nov-20	Total
	15976067	30,527,765	46,503,832
	25466929	19,397,497	44,864,426
KTPS	92216394	37,069,170	129,285,564
KW Extn	16224216	14,559,518	30,783,734
MTTPS	82710540	106,116,023	188,826,563
Total	232,594,146	207,669,973	440,264,119

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

Month	KTPS	HTPS	DSPM TPS	KW Extn	MTTPS	Total
Feb-21	23,251,916	22,432,213	64,642,782	15,391,867	94,413,282	220,132,060
Mar-21	23,251,916	22,432,213	64,642,782	15,391,867	94,413,281	220,132,059
Total	46,503,832	44,864,426	129,285,564	30,783,734	188,826,563	440,264,119

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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 : Korba (East) Thermal Power Station - KTPS

	Description	Unit	Considered in Tariff order	For Month of Oct-20	For Month of Nov-20	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.123575750	0.102227650	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.123575750	0.102227650	
d	Normative Transit & Handling Losses	%	1.15%	1.15%	1.15%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.001421121	0.001175618	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.122154629	0.101052032	
g	Amount charged by the Coal / Lignite Company	(Rs.)		207,014,798.42	171,252,340.16	
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.)		207,014,798.42	171,252,340.16	
k	Rate of Coal for the period Charged by Coal Company = $(j/(f*10^6))$	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	3,241	3,001.00	
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		2.012	2.173	
v	ECR as considered in Tariff order	Rs/ KWh	1.855	1.855	1.855	
w	Change in ECR (u-v)	Rs/ KWh		0.157	0.318	
aa	Scheduled Generation during the Period	KWh		101,758,390	95,999,260	
ab	FCA Claim for the Period (u*aa)	Rs		15,976,067	30,527,765	46,503,832

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Details/Information for Computation of Energy Charge Rates

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Company : Chhattisgarh State Power Generation Company Limited
Power Station : Korba (West) Thermal Power Station - HTPS

Description	Unit	Considered in Tariff order	For Month of Oct-20	For Month of Nov-20	Total for period
a Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.405618	0.402239	
b Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.405618	0.402239	
d Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e Normative Transit & Handling Losses (cXd)	(MMT)		0.000811236	0.000804478	
f Net coal / Lignite Supplied (c-e)	(MMT)		0.404807	0.401434522	
g Amount charged by the Coal / Lignite Company	(Rs.)		723575135.84	717547733.39	
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.)		723575135.84	717547733.39	
k Rate of Coal for the period Charged by Coal Company = (j/(f*10^6))	Rs/MT		1787.46	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	1787.46	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	1,868.21	1,868.21	
p Average GCV of coal / Lignite as fired	(kCal/Kg)	3,406.33	3,609	3,631	
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= ((g-(rxs))/(p)*(o/1000))/(1-t)	Rs/ KWh		1.515	1.505	
v R as considered in Tariff order	Rs/ KWh	1.452	1.452	1.452	
w Change in ECR (u-v)	Rs/ KWh		0.063	0.053	
1a Scheduled Generation during the Period	KWh		404,236,970	365,990,500	
1b FCA Claim for the Period (wXaa)	Rs		25,466,929	19,397,497	44,864,426

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Details/Information for Computation of Energy Charge Rates

Company : Chhattisgarh State Power Generation Company Limited
 Power Station : - 1x500 MW KW Extn

Description	Unit	Considered in Tariff order	For Month of Oct-20	For Month of Nov-20	Total for period
a Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.199782	0.19811800	
b Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.199782	0.198118	
d Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e Normative Transit & Handling Losses (cXd)	(MMT)		0.000399564	0.000396236	
f Net coal / Lignite Supplied (c-e)	(MMT)		0.199382	0.197721764	
g Amount charged by the Coal / Lignite Company	(Rs.)		356,387,753.44	353,419,032.91	
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.)		356387753.44	353419032.91	
k Rate of Coal for the period Charged by Coal Company = $(j/(f*10^6))$	Rs/MT		1787.46	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	1787.46	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	1,868.21	1,868.21	
p Average GCV of coal / Lignite as fired	(kCal/Kg)	3,400.59	3614.00	3632.00	
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 Auxilliary Consumption	%	5.25	5.25	5.25	
u ECR for the Period= $(rs)/(p)*(o/1000)/(1-t)$	Rs/ KWh		1.293	1.287	
v ECR as considered in Tariff order	Rs/ KWh	1.243	1.243	1.243	
w Change in ECR (u-v)	Rs/ KWh		0.05	0.044	
aa Scheduled Generation during the Period	KWh		324,484,320	330,898,130	
ab FCA Claim for the Period (wXaa)	Rs		16,224,216	14,559,518	30,783,734

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Details/Information for Computation of Energy Charge Rates
of the Company : Chhattisgarh State Power Generation Company Limited
of the Power Station : Dr. Shyama Prasad Mukharjee Thermal Power Station - DSPM TPS

Description	Unit	Considered in Tariff order	For Month of Oct-20	For Month of Nov-20	Total for period
a Quantity of Coal / Lignite supplied by Coal/Lignite	(MMT)		0.27893477	0.31635874	
b Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.27893477	0.31635874	
d Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e Normative Transit & Handling Losses (cXd)	(MMT)		0.000557870	0.000632717	
f Net coal / Lignite Supplied (c-e)	(MMT)		0.278376900	0.315726023	
g Amount charged by the Coal / Lignite Company	(Rs.)		491038771.99	534971905.59	
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.)		491,038,771.99	534,971,905.59	
k Rate of Coal for the period Charged by Coal Company = (j/(fX10^6))	Rs/MT		1763.94	1694.42	
l Rate of Bonus payable to Coal Company	Rs/MT				
m Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1763.94	1694.42	
n Transportation Cost Paid to railways	Rs		117279766.00	125594536.00	
o Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		421.30	397.80	
p Other Charges (per Ton) towards transportation	Rs/MT				
q Total per ton Transportation Charges (o+p)			421.30	397.80	
r Landed Price of Coal per MT ((l+q)	Rs./MT	1,921.22	2185.24	2092.22	
s Average GCV of coal / Lignite as fired	(kCal/Kg)	3,449.20	3235.59	3403.67	
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		1.852	1.685	
y ECR as considered in Tariff order	Rs/ KWh	1.527	1.527	1.527	
z Change in ECR (x-y)	Rs/ KWh		0.325	0.158	
aa Scheduled Generation during the Period	Kwh		283,742,750	234,615,000	
ab FCA Claim for the Period (zX aa)	Rs		92,216,394	37,069,170	129,285,564

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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

	Month	Unit	Considered in Tariff order	For Month of Oct-20	For Month of Nov-20	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.301995440	0.407443240	
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)		0.30199544	0.40744324	
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.002415964	0.003259546	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.299579476	0.404183694	
g	Amount charged by the Coal / Lignite Company	(Rs.)		470774865.43	685153966.06	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		0.00	0.00	
i	Coal Sampling Fes	(Rs.)				
j	Net amount Charged by Coal Company (g+h+i)	(Rs.)		470774865.43	685153966.06	
k	Rate of Coal for the period Charged by Coal Company = (j/(fX10^6))	Rs/MT		1571.45	1695.15	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1571.45	1695.15	
n	Transportation Cost Paid to railways	Rs		82289932.00	126458293.00	
o	Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		274.68	312.87	
p	Road Charges (per Ton) towards transportation	Rs/MT		419.45	230.12	
q	Total per ton Transportation Charges (o+p)			694.13	542.99	
r	Landed Price of Coal per MT ((m+q)	Rs./MT	1,535	2,265.58	2,238.14	
s	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,280.29	3,399	3,451	
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		1.669	1.624	
y	ECR as considered in Tariff order	Rs/ KWh	1.373	1.373	1.373	
z	Change in ECR (x-y)	Rs/ KWh		0.296	0.251	
aa	Scheduled Generation during the Period	Kwh		279,427,500	422,773,000	
ab	Net FCA payable			82,710,540	106,116,023	188,826,563

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29

FORMAT-I

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 Oct-20	For Month of Nov-20
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.125317520	0.276669090
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-		
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.12531752	0.27666909
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.001002540	0.002213353
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.124314980	0.274455737
g	Amount charged by the Coal / Lignite Company	(Rs.)		289929797.83	554345271.06
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.)		289929797.83	554345271.06
k	Rate of Coal for the period Charged by Coal Company = (j/(fX10^6))	Rs/MT		2332.22	2019.80
l	Rate of Bonus payable to Coal Company	Rs/MT			
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		2332.22	2019.8
n	Transportation Cost Paid to railways	Rs		38306267.00	92774462.00
o	Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		308.14	338.03
p	Road Charges (per Ton) towards transportation	Rs/MT			
q	Total per ton Transportation Charges (o+p)			308.14	338.03
r	Landed Price of Coal per MT ((m+q)	Rs./MT	1,535	2,640.36	2,357.83
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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498

FORMAT-I

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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 Oct-20	For Month of Nov-20
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.176677920	0.13077415
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-		
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.17667792	0.13077415
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.001413423	0.001046193
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.175264497	0.129272957
g	Amount charged by the Coal / Lignite Company	(Rs.)		180845067.60	130808695.00
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.)		180845067.60	130808695.00
k	Rate of Coal for the period Charged by Coal Company = (j/(fX10^6))	Rs/MT		1031.84	1008.33
l	Rate of Bonus payable to Coal Company	Rs/MT			
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1031.84	1008.33
n	Transportation Cost Paid to railways	Rs		43983665.00	33683831.00
o	Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		250.96	259.65
p	Road Charges (per Ton) towards transportation	Rs/MT		716.97	716.97
q	Total per ton Transportation Charges (o+p)			967.93	976.62
r	Landed Price of Coal per MT ((m+q)	Rs./MT	1,535	1,999.77	1,984.95
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-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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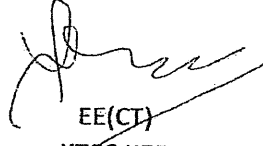
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Annexure - 3

FORMAT-I

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 : Korba (East) Thermal Power Station - KTPS

Month	Unit	Considered in Tariff order	For 1st Month of the 3rd Quarter Oct. -2020	For 2nd Month of the 3rd Quarter Nov. - 2020	For 3rd Month of the 3rd Quarter Dec. - 2020	For the Quarter
a) Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.12357575			
b) Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-	NIL			
c) Coal supplied by Coal/Lignite Company (a+b)	(MMT)	-	0.12357575			
d) Normative Transit & Handling Losses	%	1.15				
e) Normative Transit & Handling Losses (cXd)	(MMT)	-				
f) Net coal / Lignite Supplied (c-e)	(MMT)	-				
g) Amount charged by the Coal / Lignite Company	(Rs.)	-	Rs.207014798.42			
h) Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	-	NIL			
i) Net amount Charged by Coal Company (g+h)	(Rs.)	-	Rs.207014798.42			
j) Rate of Coal for the period Charged by Coal Company $=\frac{(i)}{(f \times 10^6)}$	Rs/MT					
k) Rate of Bonus payable to Coal Company	Rs/MT					
l) Net Rate of coal payable to coal company (j+k)	Rs/MT	1227.76				
m) Transportation Charge per Ton	Rs/MT	177.98				
n) Landed Price of Coal per MT (l+m)	Rs./MT	1405.74				
o) Average GCV of coal / Lignite as fired	(kCal/Kg)	2967.00				
p) Normative SHR	Kcal/ KWh	3110.00				
q) Normative Specific Oil Consumption	ml/ KWh	2.00				
r) GCV of Secondary Fuel (Oil)	Kcal/ml	10.00				
s) Normative Auxiliary Consumption	%	11.25				
t) ECR for the Period= $\frac{((p-(q \times r)) / (0) \times (n \times 1000)) / (1-s)}$	Rs/ KWh					
u) ECR as considered in Tariff order	Rs/ KWh	1.650				
v) Change in ECR (t-u)	Rs/ KWh					
w) Net Generation during the Period	KWh					
x) FCA Claim for the Period (vXw)	Rs					


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