

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.)	Rs.	1157013857
4	Allowable VCA(in Rs.)	Rs.	930616833
5	Allowable VCA(in Rs/Kwh)	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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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	
LATER RECEIVED	
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.

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Executive Director (C&RA)
CSPGCL: Raipur

Copy to :-

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- 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

31.12.2020

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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
DSPM TPS	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 Auxiliary Consumption	%	5.25	5.25	5.25	
u ECR for the Period= $(rxs)/(p)*(o/1000)/(1-t)$	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

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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)	-	0.00000000	0.00000000	
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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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 = $(j/(f \times 10^6))$	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 $(n/(f \times 10^6))$	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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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	0.129727957
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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Annexure - 3

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Details/Information for Computation of Energy Charge Rates for FCA .

Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : 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 = (i/(f*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 = ((p-(qxr))/(0)*(n/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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