

O/o E.D. (EITC)
CSPDCL Raipur
Receipt No. 5670
Date 11-1 JAN 2022
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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

The Executive Director (RA&PM)
4th 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.

[Signature]
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 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

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
Total	21,95,71,363	13,09,30,296	35,05,01,659

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
Total	6,79,28,984	15,15,99,495	5,17,13,675	7,92,59,505	35,05,01,659


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Details/Information for Computation of Energy Charge Rates

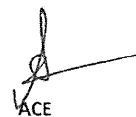
Name of the Company : Chhattisgarh State Power Generation Company Limited

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/(fX10^6))	Rs/MT		1774.82	1391.64	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal compnay (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/(fX10^6))	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= ((t-(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 (vX z)	Rs		8,24,57,219	6,91,42,276	


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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)	-	0.00000000	0.00000000	
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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