

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

NO. 03-09/ Bills-15/ 596

Raipur Dtd. 30.10.21

To,

The Executive Director (RA&PM)
4th Floor Vidyut Seva Bhawan
CSPDCL, Raipur

Sub: Fuel Cost Adjustment calculation for the 3rd 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. **60,52,68,304** /- for the 3rd Bi-Monthly period of FY 2021-22 (Aug-21 & Sep-21). As per CSERC order the above FCA amount shall be claimed in two installments w.e.f. **Dec-21**

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

Prdai
29.10.21

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 G.M. (Fin) CSPGCL, Raipur
- 4 The C.E. (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-3rd Bi Monthly of FY 2021-22 (August-2021 & Sept-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 3rd Bi-Monthly period of FY 2021-22.

All Figures in Rs.

Name of Plant	Aug-21	Sep-21	Total
HTPS	72759940	6,95,19,516	14,22,79,456
DSPM TPS	50002260	4,68,58,811	9,68,61,071
KW Extn	60766054	6,31,49,213	12,39,15,267
MTTPS	134398510	10,78,14,000	24,22,12,510
Total	31,79,26,764	28,73,41,540	60,52,68,304

RUPEES SIXTY CRORES FIFTY TWO LAKHS SIXTY EIGHT THOUSAND THREE HUNDRED FOUR 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
Dec-21	7,11,39,728	4,84,30,536	6,19,57,634	12,11,06,255	30,26,34,153
Jan-22	7,11,39,728	4,84,30,535	6,19,57,633	12,11,06,255	30,26,34,151
Total	14,22,79,456	9,68,61,071	12,39,15,267	24,22,12,510	60,52,68,304


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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 August-21	For Month of September-21	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.34874170	0.29512900	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.348742	0.295129	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000697484	0.000590258	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.348045	0.294538742	
g	Amount charged by the Coal / Lignite Company	(Rs.)		630114733.84	533246042.25	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)			2760574.51	
i	Coal Sampling fees	(Rs.)				
j	Net amount Charged by Coal Company (g+h+i)	(Rs.)		630114733.84	536006616.76	
k	Rate of Coal for the period Charged by Coal Company = $(j/(f*10^6))$	Rs/MT		1810.44	1819.82	
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	1819.82	
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	1,900.57	
p	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,406.00	3,308	3,203	
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		1.672	1.735	
v	ECR as considered in Tariff order	Rs/ KWh	1.452	1.452	1.452	
w	Change in ECR (u-v)	Rs/ KWh		0.220	0.283	
aa	Scheduled Generation during the Period	KWh		33,07,27,000	24,56,52,000	
ab	FCA Claim for the Period (wXaa)	Rs		7,27,59,940	6,95,19,516	14,22,79,456


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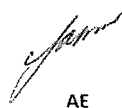
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Details/Information for Computation of Energy Charge Rates

Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : - 1x500 MW KW Extr

	Description	Unit	Considered in Tariff order	For Month of August-21	For Month of September-21	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.17176830	0.14536200	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.171768	0.145362	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000343536	0.000290724	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.171424	0.145071276	
g	Amount charged by the Coal / Lignite Company	(Rs.)		31,03,55,018.24	26,26,43,492.12	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)			1359685.97	
i	Coal Sampling fees					
j	Net amount Charged by Coal Company (g+h+i)	(Rs.)		310355018.24	264003178.09	
k	Rate of Coal for the period Charged by Coal Company $= (j / (f * 10^6))$	Rs/MT		1810.45	1819.82	
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	1819.82	
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	1,900.57	
p	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,401.00	3284.00	3196.00	
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		1.440	1.487	
v	ECR as considered in Tariff order	Rs/ KWh	1.243	1.243	1.243	
w	Change in ECR (u-v)	Rs/ KWh		0.197	0.244	
aa	Scheduled Generation during the Period	KWh		30,84,57,125	25,88,08,250	
ab	FCA Claim for the Period (wXaa)	Rs		6,07,66,054	6,31,49,213	12,39,15,267


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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 August-21	For Month of September-21	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.20514308	0.22914538	
b	Adjustment (+/-) in quantity supplied made by(Stock transfer from KTPS)	(MMT)		0.00109200	0.000300	
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.20623508	0.22944538	
d	Normalive Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normalive Transit & Handling Losses (cXd)	(MMT)		0.000412470	0.000458891	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.205822610	0.228986489	
g	Amount charged by the Coal / Lignite Company	(Rs.)		381879384.18	426492021.98	
h	Adjustment (+/-) in amount charged made by Including stock Transfer from KTPS) Coal/Lignite Company	(Rs.)		1,71,26,485.31	4,84,142.88	
i	Coal Sampling fees	(Rs.)				
j	Net amount Charged by Coal Company (g+h+i)	(Rs.)		39,90,05,869.49	42,69,76,164.86	
k	Rate of Coal for the period Charged by Coal Company =j/(fX10^6))	Rs/MT		1938.59	1864.63	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1938.59	1864.63	
n	Transportation Cost Paid to railways	Rs		39976600	48357797	
o	Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		194.23	211.18	
p	Other Charges (per Ton) towards transportation	Rs/MT				
q	Total per ton Transportation Charges (o+p)			194.23	211.18	
r	Landed Price of Coal per MT ((l+q)	Rs./MT	1,921.22	2132.82	2075.81	
s	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,449.00	3433.66	3375.28	
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= ((l-(uxv))/(s)*(r/1000)/(1-w)	Rs/ KWh		1.703	1.686	
y	ECR as considered in Tariff order	Rs/ KWh	1.527	1.527	1.527	
z	Change in ECR (x-y)	Rs/ KWh		0.176	0.159	
aa	Scheduled Generation during the Period	Kwh		28,41,03,750	29,47,09,500	
ab	FCA Claim for the Period (zX aa)	Rs		5,00,02,260	4,68,58,811	9,68,61,071


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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 August-21	For Month of September-21	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.281187960	0.265984090	
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)		0.28118796	0.26598409	
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.002249504	0.002127873	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.278938456	0.263856217	
g	Amount charged by the Coal / Lignite Company	(Rs.)		286991258.320	269270846.640	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-19102317.170	0.000	
i	Coal Sampling Fes	(Rs.)				
j	Net amount Charged by Coal Company (g+h+i)	(Rs.)		267888941.15	269270846.64	
k	Rate of Coal for the period Charged by Coal Company = (j/(fX10^6))	Rs/MT		960.39	1020.52	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		960.39	1020.52	
n	Transportation Cost Paid to railways	Rs		78962989.00	66846609.00	
o	Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		283.08	253.34	
p	Road Charges (per Ton) towards transportation	Rs/MT		757.43	842.93	
q	Total per ton Transportation Charges (o+p)			1040.51	1096.27	
r	Landed Price of Coal per MT ((m+q)	Rs./MT	1,990.87	2,000.90	2,116.79	
s	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,631.00	2,916	3,065	
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		1.719	1.730	
y	ECR as considered in Tariff order	Rs/ KWh	1.373	1.373	1.373	
z	Change in ECR (x-y)	Rs/ KWh		0.346	0.357	
aa	Scheduled Generation during the Period	Kwh		38,84,35,000	30,20,00,000	
ab	FCA Claim for the Period (yX z)	Rs		13,43,98,510	10,78,14,000	


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