

Fuel Cost Adjustment calculation for the 2nd Bi-Monthly period of FY 2021-22.

All Figures in Rs.

Name of Plant	Jun-21	Jul-21	Total
HTPS	88287557	2,72,49,118	11,55,36,675
DSPM TPS	19117904	2,58,42,810	4,49,60,714
KW Extn	55854098	2,14,68,645	7,73,22,743
MTTPS	-16358790	8,14,44,928	6,50,86,138
Total	14,69,00,769	15,60,05,501	30,29,06,270

RUPEES THIRTY CRORES TWENTY NINE LAKHS SIX THOUSAND TWO HUNDRED SEVENTY 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
Oct-21	5,77,68,338	2,24,80,357	3,86,61,372	3,25,43,069	15,14,53,136
Nov-21	5,77,68,337	2,24,80,357	3,86,61,371	3,25,43,069	15,14,53,134
Total	11,55,36,675	4,49,60,714	7,73,22,743	6,50,86,138	30,29,06,270


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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 June-21	For Month of July-21	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.36945609	0.36808594	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.369456	0.368086	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000738912	0.000736172	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.368717	0.367349828	
g	Amount charged by the Coal / Lignite Company	(Rs.)		663662693.58	661201460.85	
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.)		663662693.58	661201460.85	
k	Rate of Coal for the period Charged by Coal Company = (j/(f*10 ⁶))	Rs/MT		1799.92	1799.92	
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	1799.92	1799.92	
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	1,880.67	1,880.67	
p	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,406.33	3,239	3,617	
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		1.699	1.521	
v	ECR as considered in Tariff order	Rs/ KWh	1.452	1.452	1.452	
w	Change in ECR (u-v)	Rs/ KWh		0.247	0.069	
aa	Scheduled Generation during the Period	KWh		35,74,39,500	39,49,14,750	
ab	FCA Claim for the Period (wXaa)	Rs		8,82,87,557	2,72,49,118	11,55,36,675


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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 : - 1x500 MW KW Extn

	Description	Unit	Considered in Tariff order	For Month of June-21	For Month of July-21	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.18197091	0.18129606	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.181971	0.181296	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000363942	0.000362592	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.181607	0.180933408	
g	Amount charged by the Coal / Lignite Company	(Rs.)		32,68,78,640.19	32,56,66,391.21	
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.)		326878640.19	325666391.21	
k	Rate of Coal for the period Charged by Coal Company = (j/(f*10^6))	Rs/MT		1799.92	1799.92	
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	1799.92	1799.92	
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	1,880.67	1,880.67	
p	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,400.59	3134.00	3535.00	
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-(rxs))/(p)*(o/1000))/(1-t)	Rs/ KWh		1.501	1.331	
v	ECR as considered in Tariff order	Rs/ KWh	1.243	1.243	1.243	
w	Change in ECR (u-v)	Rs/ KWh		0.258	0.088	
aa	Scheduled Generation during the Period	KWh		21,64,88,750	24,39,61,880	
ab	FCA Claim for the Period (wXaa)	Rs		5,58,54,098	2,14,68,645	7,73,22,743


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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 June-21	For Month of July-21	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.23093948	0.21863111	
b	Adjustment (+/-) in quantity supplied made by (Stock transfer from KTPS)	(MMT)		0.00135200	0.002704	
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.23229148	0.22133511	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000464583	0.000442670	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.231826897	0.220892440	
g	Amount charged by the Coal / Lignite Company	(Rs.)		429454652.32	405226122.21	
h	Adjustment (+/-) in amount charged made by Including stock Transfer from KTPS)	(Rs.)		23,98,432.23	52,18,301.82	
i	Coal Sampling fees	(Rs.)		15,35,594.68		
j	Net amount Charged by Coal Company (g+h+i)	(Rs.)		43,33,88,679.23	41,04,44,424.03	
k	Rate of Coal for the period Charged by Coal Company = (j/(fX10 ⁶))	Rs/MT		1869.45	1858.12	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1869.45	1858.12	
n	Transportation Cost Paid to railways	Rs		48061263	43642802	
o	Transportation Charge rate paid to Railways (n/(fX10 ⁶))	Rs/MT		207.32	197.57	
p	Other Charges (per Ton) towards transportation	Rs/MT				
q	Total per ton Transportation Charges (o+p)			207.32	197.57	
r	Landed Price of Coal per MT ((l+q)	Rs./MT	1,921.22	2076.77	2055.69	
s	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,449.20	3563.90	3498.12	
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		1.598	1.611	
y	ECR as considered in Tariff order	Rs/ KWh	1.527	1.527	1.527	
z	Change in ECR (x-y)	Rs/ KWh		0.071	0.084	
aa	Scheduled Generation during the Period	Kwh		26,92,66,250	30,76,52,500	
ab	FCA Claim for the Period (zX aa)	Rs		1,91,17,904	2,58,42,810	4,49,60,714


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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 June-21	For Month of July-21	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.315292840	0.300097500	
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)		0.31529284	0.30009750	
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.002522343	0.002400780	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.312770497	0.297696720	
g	Amount charged by the Coal / Lignite Company	(Rs.)		449938859.130	362835754.080	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-124329101.890	5922695.370	
i	Coal Sampling Fes	(Rs.)		18,66,662.36		
j	Net amount Charged by Coal Company (g+h+i)	(Rs.)		327476419.60	368758449.45	
k	Rate of Coal for the period Charged by Coal Company =(j/(fX10^6))	Rs/MT		1047.02	1238.71	
l	Rate of Bonus payable to Coal Company	Rs/MT				
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1047.02	1238.71	
n	Transportation Cost Paid to railways	Rs		97766893.00	87036135.00	
o	Transportation Charge rate paid to Railways (n/(fX10^6))	Rs/MT		312.58	292.37	
p	Road Charges (per Ton) towards transportation	Rs/MT		469.25	612.27	
q	Total per ton Transportation Charges (o+p)			781.83	904.64	
r	Landed Price of Coal per MT ((m+q)	Rs./MT	1,535	1,828.85	2,143.35	
s	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,280.29	3,440	3,182	
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		1.331	1.687	
y	ECR as considered in Tariff order	Rs/ KWh	1.373	1.373	1.373	
z	Change in ECR (x-y)	Rs/ KWh		-0.042	0.314	
aa	Scheduled Generation during the Period	Kwh		38,94,95,000	25,93,78,750	
ab	FCA Claim for the Period (yX z)	Rs		-1,63,58,790	8,14,44,928	


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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 June-21	For Month of July-21
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.137404870	0.080871870
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-		
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.13740487	0.08087187
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.001099239	0.000646975
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.136305631	0.080224895
g	Amount charged by the Coal / Lignite Company	(Rs.)		245386595.65	146693481.80
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-12,43,29,101.89	59,22,695.37
i	Coal Sampling Fes	(Rs.)			
j	Net amount Charged by Coal Company (g+h+i)	(Rs.)		121057493.76	152616177.17
k	Rate of Coal for the period Charged by Coal Company $= (j / (f \times 10^6))$	Rs/MT		888.13	1902.35
l	Rate of Bonus payable to Coal Company	Rs/MT			
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		888.13	1902.35
n	Transportation Cost Paid to railways	Rs		53195361.00	31661874.00
o	Transportation Charge rate paid to Railways $(n / (f \times 10^6))$	Rs/MT		390.27	394.66
p	Road Charges (per Ton) towards transportation	Rs/MT			
q	Total per ton Transportation Charges (o+p)			390.27	394.66
r	Landed Price of Coal per MT $((m+q)$	Rs./MT	1,535	1,278.40	2,297.01
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 June-21	For Month of July-21
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.177887970	0.219225630
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-		
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.17788797	0.21922563
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.001423104	0.001753805
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.176464866	0.217471825
g	Amount charged by the Coal / Lignite Company	(Rs.)		204552263.48	216142272.28
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.)		204552263.48	216142272.28
k	Rate of Coal for the period Charged by Coal Company = $(j/(f \times 10^6))$	Rs/MT		1159.17	993.89
l	Rate of Bonus payable to Coal Company	Rs/MT			
m	Net Rate of coal payable to coal compnay (k+l)	Rs/MT		1159.17	993.89
n	Transportation Cost Paid to railways	Rs		44571532.00	55374261.00
o	Transportation Charge rate paid to Railways $(n/(f \times 10^6))$	Rs/MT		252.58	254.63
p	Road Charges (per Ton) towards transportation	Rs/MT		831.71	838.14
q	Total per ton Transportation Charges (o+p)			1084.29	1092.77
r	Landed Price of Coal per MT $((m+q)$	Rs./MT	1,535	2,243.46	2,086.66
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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