



CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LIMITED

(A Government of Chhattisgarh Undertaking) (A Successor Company of CSEB)

CIN U40108CT2003SGC015822

OFFICE OF EXECUTIVE DIRECTOR (RA&PM), CSPDCL

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Phone (0771) 2574441, Fax (0771) 2574442

No.02-02/SE-IVCA/ 85

Raipur, Date 13/04/2023

To,

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

Sub: Computation of VCA charge in respect of 5th bi-monthly period of FY 2022-23 (Dec'2022 & Jan'2023)–Levy to consumers as per CSERC MYT Regulations, 2021.

In compliance to the provisions contained at Regulation-93 of CSERC MYT Regulations, 2021, VCA charge in respect of CHFC and CHPP towards 5th bi-monthly period of FY 2022-23 (Dec'2022 & Jan'2023) is computed and shown in the table below:

Sr. No.	Category of consumers	Rate of VCA charge to be recovered
1.	All categories	Rs. 0.43 per unit

This VCA charge is recoverable from electricity consumers for the consumption in the months of April'2023 and May'2023 payable in the months of May'2023 and June'2023 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.

Executive Director (RA&PM)
CSPDCL: Raipur

Not in original: -

Copy to:

- 1) The Executive Director (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 rate for the consumption in the months of April'2023 and May'2023 payable in the months of May'2023 and June'2023 respectively. It is further advised to display the computation sheet as well as VCA rate in Company's website immediately for wide publicity and make all arrangements to display the same till truing-up of ARR of FY 2022-23 completes.
- 2) The Executive Director (O&M)/(Rev.) CSPDCL, Raipur.
- 3) The Executive Director (RJN-R)/(JR)/(RCR)/ (RGR-R) CSPDCL
Rajnandgaon/Jagdapur/Raipur/Raigarh.
- 4) The Chief Engineer (AR)/(BR)/(DR)/(RRR) CSPDCL,
Ambikapur/Bilaspur/Durg/Raipur.
- 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.

Computation of VCA Charges (5th bi-monthly period of FY 2022-23)

(A) CHFC: -

Month	HTPS	DSPM TPS	Korba(W) Extn.	MTTPS	Total Amt.in Rs.
Dec-22	-15,26,42,712	-4,13,37,307	-8,98,80,700	7,04,50,868	-21,34,09,851
Jan-23	-2,83,65,779	-6,19,92,202	-2,61,58,758	-1,94,00,315	-13,59,17,054
Total in Rs.	-18,10,08,491	-10,33,29,509	-11,60,39,458	5,10,50,553	-34,93,26,905

(B) CHPP:

- (i) Total units purchased from all sources (excluding CSPGCL thermal stations) : 3467.50 MU
- (ii) Amount paid against units purchased : Rs. 1380.86 Cr.
- (iii) Rate per unit : Rs. 3.98 /KWh
- (iv) Average rate approved by CSERC for purchase of power from all sources (excluding CSPGCL thermal stations) : Rs. 3.18/KWh
- (v) Diff. in rate (iii-iv) : Rs. 0.80/KWh
- (vi) CHPP (in Rs.) (i)x(v) : Rs. 277,40,00,000
- C. Gross VCA (A+B) in Rs : Rs. 242,46,73,095
- D. Total quantum of power purchased during the period : 666,12,60,485 Kwh
- E. Quantum of power purchased for sale to retail consumers of the State : 603,52,16,485 KWh
- F. Allowable VCA (in Rs.)[C*(E/D)] : Rs. 219,67,95,496
- G. Normative transmission & distribution losses as specified in Tariff order : 15.62%
- H. Allowable VCA Charges(Rs./Kwh) (F/E*(1-G)) : **Rs. 0.43 per KWh**

VCA Charge to be recoverable from monthly energy bills of all categories of consumers:

1. All categories Rs. 0.43 per unit

To be recovered from energy bill for the consumption in the months of April'2023 and May'2023 payable in the months of May'2023 and June'2023 respectively.

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Computation of VCA (5th Bi-monthly period of FY 2022-23)

S.No.	Particulars			
1	CHFC		Rs.	-349326905
2	CHPP		Rs.	2774000000
3	Gross VCA (sub total in Rs.)	CHFC+CHPP	Rs.	2424673095
4	Allowable VCA (in Rs.)	Gross VCA (in Rs.) \times Q_{RS}/Q_{PP}	Rs.	2196795496
5	Allowable VCA (in Rs/Kwh)	Allowable VCA (in Rs.)/[Qrs*(1-L)]	Rs./Kwh	0.43

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S.No.	Particulars	Approved Power Purchase Quantum & Cost by CSERC for FY 2022-23			Actual power purchase Quantum & Cost during the month of Dec'2022 & Jan'2023		
		Quantum (in MU)	Amount (in Cr. Rs.)	Per unit Rate (Rs./kwh)	Total quantum (in MU)	Total amount (in Cr. Rs.)	Per unit Rate (Rs./kwh)
A	Central Generating Stations						
1	NTPC	14008.29	4442.42	3.17	2742.93	1156.88	4.22
2	NTPC-SAIL	271.13	100.27	3.70	60.74	25.35	4.17
3	NPC Limited	295.36	95.24	3.22	58.65	19.97	3.41
4	Others	550.89	409.14	7.43	20.26	21.70	10.71
5	Unschedule Power (within State)				0	0	-
6	NVVN Coal Power				31.92	13.19	4.13
B	CSPGCL						
1	CSPGCL- (Renewables + Hasdeo Bango)	372.58	69.61	1.87	12.51	3.02	2.41
C	Purchase from Traders, IPPs and other sources						
1	Short term Power Purchase (including Net power purchase from IEX)	0	0	0.00	-564.99	-248.24	4.39
2	Concessional Power	2395.56	444.52	1.86	521.90	96.64	1.85
3	Border Village Power Purchase				0.27	0.25	9.22
D	Purchase from Renewable Sources						
1	Biomass	886.58	610.52	6.89	188.40	133.27	7.07
2	Solar	1994.01	498.50	2.50	325.16	114.25	3.51
3	Hydel/Other RE	464.72	158.47	3.41	25.35	32.41	12.78
4	Other/New RE	1206.14	301.54	2.50	44.41	12.17	2.74
	Total	22445.26	7130.23	3.18	3467.50	1380.86	3.98

Tariff Diff. 0.80 Rs./kwh
CHPP Rs. 2,77,40,00,000.00

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Computation of Qpp and Qrs (5th Bi-monthly of FY 2022-23)

S No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	Q_1	2721315885	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations(Bango)	Q_2	11141423	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations(Small Hydel Station of CSPGCL + CoGen Kawardha)	Q_3	1368465	KwH
4	Quantum of scheduled power purchased from CGs	Q_4	3750451957	KwH
5	PGCIL actual losses for the bi-monthly period	L_1	4.03%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L_1)$	3599308743	KwH
7	Quantum of actual power purchased from Renewable energy Sources	Q_6	269267481	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	61052000	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery (IEX)	$Q_9=Q_8(1-L_1)$	58591604	KwH
11	Quantum of power purchased from other Sources(if any)(Short term + Border Village+Un scheduled)	Q_{10}	266884	KwH
12	Total Quantum of power purchased	$Q_{pp}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	6661260485	KwH
13	Normative transmission and distribution losses as specified in the Tariff order	L	15.62%	
14	Quantum of power scheduled for interstate sale(Sale through IEX+Sale to Telangana)	Q_{PT}	626044000	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{pp}-Q_{PT}$	6035216485	KwH

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	Particular	Dec-22	Jan-23	Total
Q1	HTPS	481522750	411098250	892621000
	DSPM	252056750	324566500	576623250
	KW(E)	330443750	315165760	645609510
	MTTP	298520625	307941500	606462125
				2721315885
Q2	HASDEO BANGO	3681831	7459592	11141423
Q3	SHP, GANGREL	82799	402283	485082
	SHP, SIKASAR	3330	52260	55590
	Small Hydro Plant KW	407227	420566	827793
				1368465
Q4	Obligatory Power	208404750	313496393	521901143
	NTPC	1301942630	1440984794	2742927424
	NPC	27207134	31442743	58649877
	NSPCL	28852616	31890525	60743141
	OHPCL	1395959	1395959	2791918
	NHPCL	6343703	5111835	11455538
	SECI (70 MW)	10682955	11279305	21962260
	Bundle Power(Solar + Coal)	19501549	20428232	39929781
	SECI(250 MW through MRPL)	50745452	51541972	102287424
	NEEPCo	3353128	2655148	6008276
	SECI (400 MW Hybrid)	78927358	102867817	181795175
				3750451957
L1		4.03%		
Q5		3599308743		
Q6	BIOMASS+HYDEL+SOLAR+Madhya Bharat (at CG Periphery)	135640192	133627289	269267481
Q7	short term and long term power purchased from State IPPs and CGPs	0	0	0
Q8	IEX(Purchase)	28969000	32083000	61052000
Q9	Q8*(1-L1)			58591604
Q10	unschedule+Border village+short term	136369	130515	266884
Qpp	Q1+Q2+Q3+Q5+Q6+Q7+Q9+Q10			6661260486
Qpt	Sale (IEX+Telangana)			626044000
	TELANGANA	0	0	0
	IEX	340548000	285496000	626044000
Qrs=Qpp-Qpt				6035216486

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N T P C LIMITED
WESTERN REGION HEADQUARTERS, MUMBAI- 400083
LC BILL RAISED IN THE MONTH Feb-23

Bill No. FEB-2023/CSEB

Date: 06-02-2023

Sl. No.	PARTICULARS	CUSTOMER										AMT (Rs)								
		KSTPS	KSTPS 3	VSTPS1	VSTPS2	VSTPS3	VSTPS4	MSTPS1	KGPS	JGPS	SIPAT-1		SIPAT-2	SIP	KSTPS 2	RSTPS	GSTPS	LARA	KVARGONE	
	Energy scheduled(KWh)	143501515	5227622	0	0	73237500	43162169	3833547	144PA0	0	216700646	110205000	27740412	49186715	51697126	15666661	0	85027701	48929531	44428659
	Energy Charges(Ps/KWh)	154.9	151.8	158.1	152.3	151	149.1	382.8	144PA0	141.6	148.4	153.5	398.1	498.5	354.5	450.9	204.9	474.1		
01.	Capacity Charges	90017009	71621791	0	0	55711215	56947365	62541226	0	285007600	90605864	38675161	75687139	158254088	18022866	186656379	779495903	135553438	210778644	
02.a.	Energy Charges	222282847	79357415	0	0	110588625	64354794	150574173	0	306848115	161340120	42581532	195812312	257710173	55538313	383367359	1003660709	210612567	3244630054	
02.b.	MOFA Charges																			
03.	Incentive	10279403	0	0	0	5502939	3152114	592052	0	7671767	2236085	224717	0	0	0	55403	232997	0	39451677	
04.a.	EDC/Cess on APC	20241234	6525794	0	0	4575509	2860161	0	0	25556871	13588170	2139059	0	0	0	5399284	54399174	1418051	136715617	
04.b.	EDC/Cess on Sales	24263293	8897962	0	0	0	0	0	0	34301153	18095713	0	0	0	0	0	76227333	0	16171544	
	Total (Main Bills) Rs.	367184786	166396462	0	0	176778288	127314434	213707451	0	651813739	291301634	85612147	271724168	415964261	74550679	571481225	1813326116	341584056	581359446	
05.	EC Revisions	0	0	0	0	31467301	19376505	0	0	0	0	12372473	0	26245415	0	26664411	0	54780452	170865557	
06.	RLDC Charges Dec-2022	61979	22133	0	0	30985	18458	18394	0	92370	46659	11963	25806	46786	17990	46233	236121	36903	712400	
07.	Commission Jan-2023	0	0	0	0	0	0	-5670592	0	0	0	0	-6708071	11628482	0	0	0	12530390	11780199	
08.	RTM Gain Sharing Jan-2023	0	0	0	0	0	0	-560704	0	0	0	0	-937709	-998239	-9700	0	-854641	0	-6111387	
09.	Tariff Revisions VSTPS-III/Stand1	0	0	0	0	-371070435	0	0	0	6452646	0	0	0	-998239	-9700	0	0	0	59172900	
	Arrear of Water Charges (KSTPS-2/3) & Waga	0	4826235	0	0	3248572	0	0	0	3739178	0	0	0	0	1072070	0	0	0	364617779	
10.	Rev. KSTPS-3/GSTPS-(KSTPS2)	5591344	1841662	0	0	11167840	6911278	1109380	0	29184037	14576522	4298646	5205616	12794328	985965	14490857	18347312	1916182	128440893	
11.	Other Rev.																		0	
12.																				
14.																				
15.	LC Bill (Gross) Rs.	372838109	173086482	0	0	148357439	153620675	208603929	0	691281970	305924815	102315129	269309710	465681033	76617004	617827885	1932509549	414196386	563545447	
16.	Net LC Bill (Gross-Rebate)	372838109	173086482	0	0	148357439	153620675	208603929	0	691281970	305924815	102315129	269309710	465681033	76617004	617827885	1932509549	414196386	563545447	
17.																				
ii																				
iii																				
	TOTAL PAYABLE for the month																			563545447
	TDS on VSTPS-III Interest Refund																			7497626
	NET PAYABLE (Rs.)																			5643853073

For & on behalf of NTPC Ltd.

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

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CSPGCL

NO. 03-09/ Bills-15/ 210

Raipur Dtd.

31-Mar-2023

To,

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

E. D. (RA&PM) CSPDCL, Raipur	
No.	33 03/04/23
Date	

Sub: Fuel Cost Adjustment calculation for the 5th Bi-Monthly period of FY 2022-23.

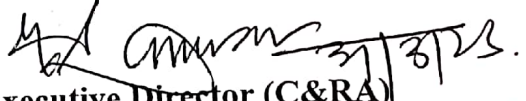
Ref: 1) CSERC MYT Regulations 2021.
2) CSERC tariff order dtd. 13/04/2022 read with detailed order dtd 28/04/2022

In compliance to the CSERC order referred above, please find enclosed FCA Calculation amounting to Rs. **-34,93,26,905** /- for the 5th Bi-Monthly period of FY 2022-23 (Dec-22 & Jan-23). As per CSERC order the above FCA amount shall be claimed in two installments w.e.f. **May-23**

SE (PM) I

Copy to :-

5/4/23


Executive Director (C&RA)
CSPGCL: Raipur

- 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. (Fin) CSPGCL, Raipur
- 3 The E.D. (Fuel Mgmt.) CSPGCL, Raipur
- 4 The E.D. (O&M) CSPGCL Raipur. Kindly upload the same in Company web site (cspc.co.in/cspgcl) under the link Fuel Cost Adjustment-5th Bi Monthly of FY 2022-23 (Dec-2022 & Jan-2023)
- 5 The S.O. to M.D. CSPGCL, Raipur
- 6 The S.O. to M.D. CSPDCL, Raipur
- 7 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 : edcnra@cspc.co.in; Web site: www.cseb.gov.in/cspgcl

Fuel Cost Adjustment calculation for the 5th Bi-Monthly period of FY 2022-23.

All Figures in Rs.

Name of Plant	Dec-22	Jan-23	Total
HTPS	-15,26,42,712	-2,83,65,779	-18,10,08,491
DSPM TPS	-4,13,37,307	-6,19,92,202	-10,33,29,509
KW Extn	-8,98,80,700	-2,61,58,758	-11,60,39,458
ABVTPS	7,04,50,868	-1,94,00,315	5,10,50,553
Total	-21,34,09,851	-13,59,17,054	-34,93,26,905

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

Month	HTPS	DSPM TPS	KW Extn	ABVTPS	Total
May-23	-9,05,04,246	-5,16,64,755	-5,80,19,729	2,55,25,277	-17,46,63,453
Jun-23	-9,05,04,245	-5,16,64,754	-5,80,19,729	2,55,25,276	-17,46,63,452
Total	-18,10,08,491	-10,33,29,509	-11,60,39,458	5,10,50,553	-34,93,26,905

All Figures in Rs.


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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 December-22	For Month of Janaury-23
a	Quantity of Coal supplied by Coal/Lignite Company	(MMT)		0.480206940	0.439097440
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)			
c	Coal supplied by Coal Company (a+b)	(MMT)		0.480206940	0.439097
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000960414	0.000878194
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.479246526	0.438218806
g	Amount charged by the Coal / Lignite Company	(Rs.)		874204064.25	799365303.04
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-137128494.89	-6930462.86
i	Net amount charged for Coal (g+h)	(Rs.)		737075569.36	792434840.18
j	Rate of Coal for the period Charged by Coal Company = $(i/(f*10^6))$	Rs/MT		1537.99	1808.31
k	Rate of Bonus payable to Coal Company	Rs/MT			
l	Net Rate of coal payable to coal compnay (j+k)	Rs/MT	1,810.44	1537.99	1808.31
m	Transportation Charge including Coal sampling charges	Rs/MT	87.24	87.24	87.24
n	Landed Price of Coal per MT (l+m)	Rs./MT	1,897.68	1,625.23	1,895.55
o	Average GCV of coal as received	(kCal/Kg)	3,656.40	3,956.00	3,825.00
p	Normative SHR	Kcal/ KWh	2,650.00	2,650.00	2,650.00
q	Normative Specific Oil Consumption	ml/ KWh	0.80	0.80	0.80
r	GCV of Secondary Fuel (Oil)	Kcal/ml	10.00	10.00	10.00
s	Normative Auxiliary Consumption	%	9.70%	9.70	9.70
t	ECR for the Period= $((p-(qxr))/(o)*(n/1000))/(1-s)$	Rs/ KWh		1.202	1.450
u	ECR as considered in Tariff order	Rs/ KWh	1.519	1.519	1.519
v	Change in ECR (t-u)	Rs/ KWh		-0.317	-0.069
w	Scheduled Generation during the Period	KWh		481522750	411098250
x	FCA Claim for the Period (vXw)	Rs		-15,26,42,712	-2,83,65,779


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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 Korba West Thermal Power Station (KWTPP)

	Description	Unit	Considered in Tariff order	For Month of December-22	For Month of January-23
a	Quantity of Coal supplied by Coal/Lignite Company	(MMT)		0.236199056	0.215978560
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)			
c	Coal supplied by Coal Company (a+b)	(MMT)		0.236199056	0.215978560
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000472398	0.000431957
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.235726658	0.215546603
g	Amount charged by the Coal / Lignite Company	(Rs.)		429994146.00	393183261.36
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-67532639.50	-11337281.69
i	Net amount charged for Coal (g+h)	(Rs.)		362461506.50	381845979.67
j	Rate of Coal for the period Charged by Coal Company = $(i/(f*10^6))$	Rs/MT		1537.63	1771.52
k	Rate of Bonus payable to Coal Company	Rs/MT			
l	Net Rate of coal payable to coal company (j+k)	Rs/MT	1,810.44	1537.63	1771.52
m	Transportation Charge including Coal sampling charges	Rs/MT	87.24	87.24	87.24
n	Landed Price of Coal per MT (l+m)	Rs./MT	1,897.68	1,624.87	1,858.76
o	Average GCV of coal as received	(kCal/Kg)	3,656.40	3,956.00	3,825.00
p	Normative SHR	Kcal/ KWh	2,390.00	2,390.00	2,390.00
q	Normative Specific Oil Consumption	ml/ KWh	0.50	0.50	0.50
r	GCV of Secondary Fuel (Oil)	Kcal/ml	10.00	10.00	10.00
s	Normative Auxiliary Consumption	%	5.25%	5.25	5.25
t	ECR for the Period= $((p-(qxr))/(o)*(n/1000))/(1-s)$	Rs/ KWh		1.034	1.223
u	ECR as considered in Tariff order	Rs/ KWh	1.306	1.306	1.306
v	Change in ECR (t-u)	Rs/ KWh		-0.272	-0.083
w	Scheduled Generation during the Period	KWh		330443750.0	315165760
x	FCA Claim for the Period (vXw)	Rs		-8,98,80,700	-2,61,58,758


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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 : Dr. Shyama Prasad Mukharjee Thermal Power Station - DSPM TPS

	Description	Unit	Considered in Tariff order	For Month of December-22	For Month of January-23
a	Quantity of Coal supplied by Coal Company	(MMT)		0.286963000	0.047957850
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)			
c	Coal supplied by Coal Company (a+b)	(MMT)		0.286963000	0.047957850
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000573926	0.000095916
f	Net coal Supplied (c-e)	(MMT)		0.286389074	0.047861934
g	Amount charged by the Coal Company	(Rs.)		52,19,10,390.94	8,14,39,435.19
h	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)		-5,21,56,632.07	
i	Net amount Charged for Coal (g+h)	(Rs.)		46,97,53,758.87	8,14,39,435.19
j	Rate of Coal for the period $= (i / (f \times 10^6))$	Rs/MT	1,827.86	1640.26	1701.55
k	Rate of Bonus payable to Coal Company	Rs/MT			
l	Net Rate of coal payable (j+k)	Rs/MT		1640.26	1701.55
m	Transportation Cost Paid to railways	Rs		8,83,16,012.00	0.00
n	Transportation Charge rate paid to Railways $(m / (f \times 10^6))$	Rs/MT	192.59	308.38	0.00
o	Other Charges including Coal sampling charges (per Ton) towards transportation	Rs/MT	11.44	11.44	11.44
p	Total per ton Transportation Charges (n+o)	Rs./MT	204.03	319.82	11.44
q	Landed Price of Coal per MT ((l+p)	Rs./MT	2,031.89	1960.08	1712.99
r	Average GCV of coal / Lignite as recieved	(kCal/Kg)	3,269.32	3,500.40	3,116.28
s	Normative SHR	Kcal/ KWh	2,430	2,430	2,430
t	Normative Specific Oil Consumption	ml/ KWh	0.50	0.50	0.50
u	GCV of Secondary Fuel (Oil)	Kcal/m ³	10.00	10.00	10.00
v	Normative Auxiliary Consumption	%	9.00%	9.00	9.00
w	ECR for the Period= $((s - (t \times u)) / (r * (q / 1000)) / (1 - v))$	Rs/ KWh		1.492	1.465
x	ECR as considered in Tariff order	Rs/ KWh	1.656	1.656	1.656
y	Change in ECR (w-x)	Rs/ KWh		-0.164	-0.191
z	Scheduled Generation during the Period	Kwh		252056750	324566500
aa	FCA Claim for the Period (yX z)	Rs		-4,13,37,307	-6,19,92,202


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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 : Marwa Thermal Power Plant - ABVTPS (consolidated => Gharghoda + Robertson)

	Month	Unit	Considered in Tariff order	For Month of December-22	For Month of January-23
a	Quantity of Coal Transported by railway from Robertson siding	(MMT)	-	0.091876390	0.099007430
b	Quantity of Coal Transported by railway from Gharghoda siding	(MMT)	-	0.225428550	0.204018360
c	Total Coal transferred through rail (a+b)	(MMT)		0.317304940	0.303025790
d	Per ton Transportation charges from Robertson siding	Rs/MT		1077.63	1060.25
e	Per ton Transportation charges from Gharghoda siding	Rs/MT		1075.91	987.38
f	Weighted average transportation rate of Coal $\{(aXd+bXe)/c\}$	Rs/MT		1076.41	1011.19
g	Input Price of Coal at Mine End as per T.O.	Rs/MT	1,510.90	1,510.90	1,510.90
h	Other charges including Coal sampling Fee	Rs/MT	16.69	16.69	16.69
i	Normative Transit Loss	%	0.80%	0.80%	0.80%
j	Net landed Cost of Coal $\{(f+g+h)/((1-i))\}$	Rs/MT	2,602.86	2,625.00	2,559.25
k	GCV of coal as received	(kCal/Kg)	3,628.91	3237.00	3698.00
l	Normative SHR	Kcal/Kwh	2,390.00	2,390.00	2,390.00
m	Normative Specific Oil Consumption	ml/ KWh	0.50	0.50	0.50
n	GCV of Secondary Fuel (Oil)	Kcal/ml	10.00	10.00	10.00
o	Normative Auxiliary Consumption	%	5.25%	5.25	5.25
p	Coal ECR for the Period= $\{(l-mXn)/kX(j/1000)/(1-o)\}$	Rs/ KWh		2.041	1.742
q	Coal ECR as considered in Tariff order	Rs/ KWh	1.805	1.805	1.805
r	Change in ECR (p-q)	Rs/ KWh		0.236	-0.063
s	Scheduled Generation during the Period	Kwh		29,85,20,625	30,79,41,500
t	FCA Claim for the Period (rXs)	Rs		7,04,50,868	-1,94,00,315


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Name of the Power Station : Marwa Thermal Power Plant - ABVTPS (Robertson)

	Month	Unit	For Month of December-22	For Month of Janaury-23
a	Quantity of Coal transferred by railway (RR quantity)	MMT	0.091876390	0.099007430
b	Transportation Cost Paid to railways	Rs	23334464.00	25119967.00
c	Transportation rate paid to Railways = b/a/10 ⁶	Rs/MT	253.98	253.72
d	Road Transportation rate (inclusive of price variaton aand GST@18%)	Rs/MT	823.65	806.53
e	Total Transportation rate (c+d)	Rs/MT	1077.63	1060.25

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Name of the Power Station : Marwa Thermal Power Plant - ABVTPS (Gharghoda)

	Month	Unit	For Month of December-22	For Month of Janaury-23
a	Quantity of Coal transferred by railway (RR quantity)	MMT	0.225428550	0.204018360
b	Transportation Cost Paid to railways	Rs	115690346.00	89258995.00
c	Transportation rate paid to Railways = b/a/10 ⁶	ml/ KWh	513.20	437.50
d	Road Transportation rate (inclusive of price variaton aand GST@18%)	ml/ KWh	562.71	549.88
e	Total Transportation rate (c+d)	ml/ KWh	1075.91	987.38

Note-

1. Values to be filled in shded cells only . Adjustment towards all other parameters shall be taken care of at the time of True Up.
2. Other cells carry either computed values or fixed values.
3. For computed values formula have been indicated in the partivulars column.
4. ECR to be worked out to third digit



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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 : HASDEO THERMAL POWER STATION: Korba (West) **(4x210MW)**

Month	Unit	Considered in Tariff order	For Month of December-2022
Quantity of Coal supplied by Coal Company	(MMT)	-	0.48020694
Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)	-	0
Coal supplied by Coal Company (a+b)	(MMT)	-	0.48020694
Normative Transit & Handling Losses	%	0.20%	
Normative Transit & Handling Losses (cXd)	(MMT)	-	
Net coal Supplied (c-e)	(MMT)	-	
Amount charged by the Coal Company	(Rs.)	-	87,42,04,064.25
Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-	(13,71,28,494.89)
Net amount Charged by Coal Company (g+h)	(Rs.)	-	73,70,75,569.36
Rate of Coal for the period Charged by Coal Company = $(i/(f*10^6))$	Rs/MT		
Rate of Bonus payable to Coal Company	Rs/MT		
Net Rate of coal payable to coal compnay (j+k)	Rs/MT	1810.44	
Transportation Charge including coal sampling charges	Rs/MT	87.24	
Landed Price of Coal per MT (l+m)	Rs./MT	1897.68	
Average GCV of coal as Received	(kCal/Kg)	3656.4	
Normative SHR	Kcal/ KWh	2650	
Normative Specific Oil Consumption	ml/ KWh	0.80	
GCV of Secondary Fuel (Oil)	Kcal/ml	10	
Normative Auxiliary Consumption	%	9.70	
Coal ECR for the Period= $((p-(qxr))/(0)*(n/1000)/(1-s))$	Rs/ KWh		
Coal ECR as considered in Tariff order	Rs/ KWh	1.519	
Change in ECR (t-u)	Rs/ KWh		
Schedule Generation during the Period	KWh		53,19,51,943
FCA Claim for the Period (vXw)	Rs		

NOTE--

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3. For computed values formula have been indicated in the particulars column.
4. ECR to be worked out to third digit decimal.


 Executive Engineer
 HTPS, CSPGCL, Korba West

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Details/Information for Computation of Energy Charge Rates

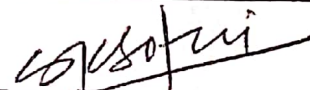
Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : HASDEO THERMAL POWER STATION: Korba (West) **(1x500MW)**

	Month	Unit	Considered in Tariff order	For Month of December-2022
a	Quantity of Coal supplied by Coal Company	(MMT)	-	0.236199056
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)	-	0
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)	-	0.236199056
d	Normative Transit & Handling Losses	%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)	-	
f	Net coal Supplied (c-e)	(MMT)	-	
g	Amount charged by the Coal Company	(Rs.)	-	42,99,94,146.00
h	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)	-	(6,75,32,639.50)
i	Net amount Charged by Coal Company (g+h)	(Rs.)	-	36,24,61,506.50
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 compnay (j+k)	Rs/MT	1810.44	
m	Transportation Charge including coal sampling charges	Rs/MT	87.24	
n	Landed Price of Coal per MT (l+m)	Rs./MT	1897.68	
o	Average GCV of coal as received	(kCal/Kg)	3656.40	
p	Normative SHR	Kcal/ KWh	2390	
q	Normative Specific Oil Consumption	ml/ KWh	0.5	
r	GCV of Secondary Fuel (Oil)	Kcal/ml	10	
s	Normative Auxiliary Consumption	%	5.25	
t	Coal ECR for the Period= $((p - (q * r)) / (0) * (n / 1000)) / (1 - s)$	Rs/ KWh		
u	Coal ECR as considered in Tariff order	Rs/ KWh	1.306	
v	Change in ECR (t-u)	Rs/ KWh		
w	Schedule Generation during the Period	KWh		34,92,52,000
x	FCA Claim for the Period (vXw)	Rs		

NOTE---

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 Executive Engineer
 HTPS, CSPGCL, Korba West