

**Computation of VCA Charges (4th bi-monthly period of FY 2022-23)**

**(A) CHFC: -**

Month	HTPS	DSPM TPS	Korba(W) Extn.	MTTPS	Total Amt.in Rs.
Oct-22	-7,77,57,030	-5,53,25,687	-4,67,87,738	48,74,925	<b>-17,49,95,530</b>
Nov-22	-3,77,98,261	-5,45,59,006	-2,57,72,709	1,98,96,613	<b>-9,82,33,363</b>
<b>Total in Rs.</b>	<b>-11,55,55,291</b>	<b>-10,98,84,693</b>	<b>-7,25,60,447</b>	<b>2,47,71,538</b>	<b>-27,32,28,893</b>

**(B) CHPP:**

- (i) Total units purchased from all sources (excluding CSPGCL thermal stations) : 3412.24 MU
- (ii) Amount paid against units purchased : Rs. 1184.50 Cr.
- (iii) Rate per unit : Rs. 4.91 /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. 1.73/KWh
- (vi) CHPP (in Rs.) (i)x(v) : Rs. 417,31,75,200
- C. Gross VCA (A+B) in Rs : Rs. 389,99,46,307
- D. Total quantum of power purchased during the period : 593,42,73,638 Kwh
- E. Quantum of power purchased for sale to retail consumers of the State : 506,67,36,638 KWh
- F. Allowable VCA (in Rs.)(C\*(E/D)) : Rs. 332,98,09,518
- G. Normative transmission & distribution losses as specified in Tariff order : 15.62%
- H. Allowable VCA Charges(Rs./Kwh) (F/E\*(1-G)) : **Rs. 0.78 per KWh**

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

- 1. All categories Rs. 0.78 per unit

**To be recovered from energy bill for the consumption in the months of February'2023 and March'2023 payable in the months of March'2023 and April'2023 respectively.**

*Boell*

S.No.	Particulars	Approved Power Purchase Quantum & Cost by CSERC for FY 2022-23			Actual power purchase Quantum & Cost during the month of Oct'2022 & Nov'2022		
		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)
<b>A</b>	<b>Central Generating Stations</b>						
1	NTPC	14008.29	4442.42	3.17	2355.04	1173.65	4.98
2	NTPC-SAIL	271.13	100.27	3.70	39.47	21.60	5.47
3	NPC Limited	295.36	95.24	3.22	61.65	20.99	3.41
4	Others	550.89	409.14	7.43	38.44	29.11	7.57
5	Unschedule Power (within State)				0	0	-
6	NVVN Coal Power				28.27	12.92	4.57
<b>B</b>	<b>CSPGCL</b>						
1	CSPGCL- (Renewables + Hasdeo Bango)	372.58	69.61	1.87	49.46	16.79	3.39
<b>C</b>	<b>Purchase from Traders, IPPs and other sources</b>						
1	Short term Power Purchase (including Net power purchase from IEX)	0	0	0.00	-865.36	-349.30	4.04
2	Concessional Power	2395.56	444.52	1.86	351.47	65.11	1.85
3	Border Village Power Purchase				0.31	0.27	8.68
<b>D</b>	<b>Purchase from Renewable Sources</b>						
1	Biomass	886.58	610.52	6.89	74.37	53.35	7.17
2	Solar	1994.01	498.5	2.50	190.58	76.94	4.04
3	Hydel/Other RE	464.72	158.47	3.41	88.55	63.08	7.12
4	Other/New RE	1206.14	301.54	2.50	-	-	-
	<b>Total</b>	<b>22445.26</b>	<b>7130.23</b>	<b>3.18</b>	<b>2412.24</b>	<b>1184.50</b>	<b>4.91</b>

Tariff Diff. 1.73 Rs./kwh  
CHPP Rs. 4,17,31,75,200.00

*Baell*

## Computation of VCA (4th Bi-monthly period of FY 2022-23)

S.No.	Particulars			
1	CHFC		Rs.	-273228893
2	CHPP		Rs.	4173175200
3	Gross VCA (sub total in Rs.)	CHFC+CHPP	Rs.	3899946307
4	Allowable VCA (in Rs.)	Gross VCA (in Rs.) $\times Q_{RS}/Q_{PP}$	Rs.	3329809518
5	Allowable VCA (in Rs/Kwh)	Allowable VCA (in Rs.)/[Qrs*(1-L)]	Rs./Kwh	0.78

Baill

446

### Computation of Qpp and Qrs (4th Bi-monthly of FY 2022-23)

S No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	$Q_1$	2760989750	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations(Bango)	$Q_2$	44170650	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations(Small Hydel Station of CSPGCL + CoGen Kawardha)	$Q_3$	5289984	KwH
4	Quantum of scheduled power purchased from CGs	$Q_4$	3006094441	KwH
5	PGCIL actual losses for the bi-monthly period	L1	3.54%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L1)$	2899678697	KwH
7	Quantum of actual power purchased from Renewable energy Sources	$Q_6$	221740801	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)	$Q_8$	2173000	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery (IEX)	$Q_9=Q_8(1-L1)$	2096076	KwH
11	Quantum of power purchased from other Sources(if any)(Short term + Border Village+Un scheduled)	$Q_{10}$	307680	KwH
12	Total Quantum of power purchased	$Q_{PP}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	<b>5934273638</b>	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)	$Q_{PT}$	867537000	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{PP}-Q_{PT}$	<b>5066736638</b>	KwH

*Boell*

445

	Particular	Oct-22	Nov-22	Total
Q1	KTPS	0	0	0
	HTPS	498442500	415365500	913808000
	DSPM	312574500	311765750	624340250
	KW(E)	351787500	334710500	686498000
	MTTP	243746250	292597250	536343500
				<b>2760989750</b>
Q2	HASDEO BANGO	41060448	3110202	<b>44170650</b>
Q3	SHP, GANGREL	2376983	475753	2852736
	SHP, SIKASAR	1717530	1380	1718910
	Small Hydro Plant KW	334468	383870	718338
				<b>5289984</b>
Q4	Obligatory Power	187105650	164365250	351470900
	NTPC	1117598342	1237440748	2355039090
	NPC	32626959	29021804	61648763
	NSPCL	23083572	16384875	39468447
	OHPCL	1395959	1350928	2746887
	NHPCL	13046996	10135602	23182598
	SECI (70 MW)	11201437	10955206	22156643
	Bundle Power(Solar+Coal)	16722270	17705375	34427645
	SECI( 250 MW through MRPL)	55098545	48342908	103441453
	NEEPCo	7697220	4814795	12512015
				<b>3006094441</b>
L1				<b>3.54%</b>
Q5				2899678697
Q6	BIOMASS+HYDEL+SOLAR+Madhya Bharat (at CG Periphery)	130306796	91434005	<b>221740801</b>
Q7	short term and long term power purchased from State IPPs and CGPs	0	0	0
Q8	IEX(Purchase)	1583000	590000	2173000
Q9	Q8*(1-L1)			2096076
Q10	unschedule+Border village+short term	162878	144802	307680
Qpp	Q1+Q2+Q3+Q5+Q6+Q7+Q9+Q10			5934273638
Qpt	Sale (IEX+Telangana)			<b>867537000</b>
	TELANGANA	0	0	0
	IEX	326093000	541444000	867537000
Qrs=Qpp-Qpt				<b>5066736638</b>

*Baell*

**NTPC LIMITED**  
WESTERN REGION HEADQUARTERS, MUMBAI- 400093  
**LC BILL RAISED IN THE MONTH OF**  
Dec-22

Sl.No.		PARTICULARS		Date: 06-12-2022		CUSTOMER: CSEB															AMT(Rs)		
		KSTPS	KSTPS 3	VSTPS1	VSTPS2	VSTPS3	VSTPS4	MSSTPS1	KGPS	JGPS	SIPAT-1	SIPAT-2	VSTPS5	MST-2	SLP	KASTPS 2	RSTPS	GSTPS	LARA	KHARGONE			
	137849544	144.7	141.9	152.4	146.8	70787194	42221250	9179319			195231634	201476236	26845560	17363715	188263854	13051645	0	54791904	488788661	10402701	508.2		
	Energy Charges(KWH)																						
	Energy Charges(Psi/KWH)																						
01.	Capacity Charges	89911384	72156223	0	0	63866154	56947365	62025147	0	0	264060077	90588890	38675261	74635406	158607090	19012366	0	186822792	776966148	131828762	2086103065		
02.a.	Energy Charges	199468290	71896875	0	0	102995367	60671936	35652475	0	0	388315720	225886101	39731429	68378510	88051003	45759067	0	195278346	1361765210	52866526	2936656655		
02.b.	MOPA Charges																						
03.	Incentive	9632171	0	0	0	5527790	3324877	0	0	0	0	5438084	2114317	0	0	0	0	0	0	0	0		
04.a.	ED&Cess on AFC	18276124	5880960	0	0	4758138	2868845	0	0	0	23660826	9666974	2094125	0	0	0	0	472662	54688086	318991	122885731		
04.b.	ED&Cess on Sales	23324665	8532975	0	0	0	0	0	0	0	32344221	12724893	0	0	0	0	0	0	76027091	0	0		
	Total (Main Bills) Rs.	340612634	159407033	0	0	177147449	123813023	97677622	0	0	708380844	344304942	82815132	143013716	246658093	64771433	0	382573800	2269446535	185014279	5324436535		
05.	EC Revisions	0	0	0	0	-1301619	-780990	0	0	0	0	-525339	9	0	0	0	0	0	0	0	0		
06.	RLOC Charges Sept-2022	62039	22149	0	0	31016	18477	18457	0	0	92573	46258	11875	25737	46934	23192	0	45937	236094	37112	717850		
07.	Compensation Oct-2022	0	0	0	0	0	0	2583728	0	0	0	0	0	5191511	6452405	0	0	0	0	0	11690330		
08.	RTM Gain Sharing Oct-2022	0	0	0	0	0	0	-791117	0	0	0	0	0	-1450095	-1151167	-190991	0	-1987895	0	-637434	(62086699)		
09.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10.	Arrear of Water Charges (VSTPS-12) 11th/7th Installment & KSTPS-3/8/STPS-16/MS/STPS2 Wage Rev. 9th/10th/18th Installment	0	4826235	0	0	0	0	0	0	0	3739178	0	0	0	0	1072070	0	0	0	0	0		
11.	Other Rev.	9181834	2573499	0	0	9475800	6433472	2624258	0	0	29044848	19356215	3656770	2699523	0	12692242	0	14591117	179715987	0	292045565		
12.	MSTPS-1 (19-24) Terrif Revision							(144704254)													(144704254)		
13.	TDS on MSTPS Stage-I Interest/Retund							2874846													2874846		
14.	0																						
	LC Bill (Gross) Rs.	349856507	165828916	0	0	185352646	129483982	(39716460)	0	0	741257443	363707415	85758438	149480401	232006265	78387946	0	395222959	2449398616	196104287	5502109361		
17.	Net LC Bill (Gross-Rebate)	349856507	165828916	0	0	185352646	129483982	(39716460)	0	0	741257443	363707415	85758438	149480401	232006265	78387946	0	395222959	2449398616	196104287	5502109361		
i	TOTAL PAYABLE for the month																						
ii	NET PAYABLE (Rs.)																						
iii																							

For & on behalf of NTPC Ltd.

**N T P C LIMITED**  
WESTERN REGION HEADQUARTERS, MUMBAI-400083  
LC BILL RAISED IN THE MONTH OF Nov-22

Sl.No.	NOV-2022/C-SEB PARTICULARS	Date: 05-11-2022													AMT (Rs)				
		KSTPS	KSTPS 3	VSTPS1	VSTPS2	VSTPS3	VSTPS4	METC1	METC2	SIPT-1	SIPT-3	VSTPS4	MSLZ	SLP		RS/FS	US/FS	LAVA	RR/KA/COME
	Energy scheduled (MWh)	142658504	7326747	148.40	157.40	0	72597656	43295615	864105	864105	39783980	7782894	2768860	1067014	298383	364046	6577123	44499706	329396
01.	Capacity Charges (P-RWH)	148.60	7326747	148.40	157.40	0	72597656	43295615	864105	864105	39783980	7782894	2768860	1067014	298383	364046	6577123	44499706	329396
02.a.	Energy Charges	8922178	7326747	148.40	157.40	0	72597656	43295615	864105	864105	39783980	7782894	2768860	1067014	298383	364046	6577123	44499706	329396
02.b.	MCPA Charges	21441712	7640539	0	0	0	109114277	64150693	43964316	0	451652146	32555845	4202671	4689688	6363137	1911895	26958073	127257951	2727284
03.	Incentive	8889370	0	0	0	0	346133	307022	0	0	-384494	1739576	0	0	0	-196733	0	0	0
04.a.	FD/Cost on APC	3410306	17167426	0	0	0	468652	281297	0	0	5946101	23667469	2069514	0	0	0	3938988	9514568	159227
04.b.	FD/Cost on Sales	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05.	EC Revenues	34643221	16089532	0	0	0	181065396	127085777	11030733	0	77416732	341951068	84467423	121586628	165289171	39032356	220767905	220085940	161281548
06	RUC Charges Sep-2022	0	0	0	0	0	32394	260356	886797	0	17980	982948	0	0	-1316848	0	0	0	7090346
07.	Compensation Oct-2022	71479	2359	0	0	0	31724	31190	11166	0	106999	51602	13002	20824	48418	58241	87277	27277	1181
08.	RTM Gain Sharing Oct-2022	0	0	0	0	0	0	0	0	0	0	0	801932	-368034	0	0	0	0	4481109
09.	Area of Water Charges (VSTPS-1) 1000000 Incentive & KSTPS-JSP/PS-MKSTPS2/3 Wage Rev. 010/10/1h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.	Other Rev.	18070291	6668611	0	0	0	19617768	11789115	51161423	0	100113484	538690034	7204815	5857598	0	44674983	1164752	799682725	1163824620
11.																			
12.																			
13.																			
14.																			
15.	LC Bill (Gross) Rs.	36457991	172620108	0	0	0	201101582	139156508	17481941	0	878122993	395473770	91915520	48988971	15989151	82461171	221883399	2699812342	165803881
16.																			
17.	Net LC Bill (Gross-Rebate)	36457991	172620108	0	0	0	201101582	139156508	17481941	0	878122993	395473770	91915520	48988971	15989151	82461171	221883399	2699812342	165803881
i.																			
ii.																			
iii.																			
TOTAL PAYABLE for the month																	629428428		
NET PAYABLE (Rs.)																	629428428		
For & on behalf of NTPC Ltd.																	629428428		

Total Non-Rebatable (Rs.) 629428428  
Total Rebatable (Rs.) 0  
Grand Total 629428428



# एनटीपीसी-सेल पावर कंपनी लिमिटेड

(एनटीपीसी और सेल का संयुक्त उपकरण)

**NTPC-SAIL Power Company Limited**

(A joint venture of NTPC & SAIL)

CIN : U74899DL1999PLC098274, GSTIN : 22AABCN5467A1ZX, HSN : 27160000

Energy Bill : 01.11.2022 - 30.11.2022

Bill Date : 03.12.2022

Bill No. 6300326

Beneficiary Name : Chhatisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	%	Energy Schd.	16,384,875.00 kwh
NAPAF	85.000 %		

Energy Charge Rate (ECR)		(GHR - SFC x CVSF) x LPPF / CVPF+SFC x LPSFI + LC x LPL x 100 / (100 - AUX)	
ECR	3.0390 Rs/kwh		
Base Values		Month Values	
AUX	9.000 %	CVSF	9 3250 Kcal/ml
GHR	2415.000 kCAL/kwh	LPPF	4 0433 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3643.954 kCal/Kg
		LPSFI	054505 Rs/ml

ED / Cess on APC		ED Duty on Cess/Taxes	
Total SG for Station	167,836,688.00 kwh	ED/Cess/Taxes Rate	0.070 Rs./kvah
SAIL TEED	kwh	ED Rate on APC	1.306 Rs./kwh
		Energy Schd. for Benf.	16,384,875.00 kwh
		ED/Cess/Taxes Amt.	1,146,941.00 Rs.
		ED on APC Amt.	2,088,086.00 Rs.

Provisional Bill Period		Final Previous Period	
APC excl. Colony Cons.	16,375,047.00 kwh	Plant APC excl. Colony	28,518,017.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	1,598,596.24 kwh	Applicable APC for ED	2,312,147.96 kwh
Provisional Previous Period		Difference	
APC excl. Colony	28,518,017.00 kwh	Appl. APC ED (Curr. Bill)	1,598,596.24 kwh
Power factor	1.0000		
Appl. APC for ED	2,312,147.96 kwh		

Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	3.1740 Rs./kwh	ECR-Rev Prev. Period	3.2360 Rs./kwh
ECR-Rev. Prev. Period	3.2360 Rs./kwh	Schd. Energy (last bill)	23,083,572.00 kwh
Difference	0.062 Rs./kwh	Schd. Energy ( REA )	23,083,572.00 kwh
Energy Schd Prev Period	23,083,572.00 kwh	Diff. of Sched. Energy	kwh
Oth Adj due to ECR Rev.	1,431,181.46 Rs.	Adj. due to Rev. Energy	0.00 Rs.

Other Charges		Rebate & Surcharge Details	
WRLDC fees & charges amt.	14,867.00 Rs.	Cap. Charges Prev Period	Rs.
Uldc charges	0.00 Rs.	Energy Charges Prev Period	73,267,258.53 Rs.
Poc charges (BSP)	0.00 Rs.	Other Adj. Prev Period	1.00 Rs.
Tariff filling fee	0.00 Rs.	Total Applicable	73,267,259.53 Rs.
Miscellaneous charges	0.00 Rs.	Rebate	%
Total Other Charges billed	Rs.	Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.

पंजीकृत केन्द्रीय कार्यालय : प्रमुख तल, एनटीपीसी टावर, 15, भिकाजी कामा प्लेस, नई दिल्ली - 110066

दूरभाष / Tel: 011-26717378-79-80-82, 26172273/ Fax: 011-, 26717364, 26717365, 26717366, 26717381

Registered Corporate Office: 4<sup>th</sup> Floor, NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066





# एनटीपीसी-सेल पावर कंपनी लिमिटेड

(एनटीपीसी और सेल का संयुक्त उपक्रम)

## NTPC-SAIL Power Company Limited

(A joint venture of NTPC & SAIL)

CIN : U74899DL1999PLC098274, GSTIN : 22AABCN5467A1ZX, HSN : 27160000

Energy Bill : 01.10.2022 - 31.10.2022

Bill Date : 03.11.2022

Bill No. 6300323

Beneficiary Name : Chhatisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	%	Energy Schd.	23,083,572.00 kwh
NAPAF	85.000 %		

Energy Charge Rate (ECR)		((GHR - SFC x CVSF) x LPPF / CVPF+SFC x LPSFi + LC x LPL) x 100 / (100 - AUX)	
ECR	3.1740 Rs/kwh		

Base Values		Month Values	
AUX	9.000 %	CVSF	9.3250 Kcal/ml
GHR	2415.000 kCAL/kwh	LPPF	4.0975 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3536.622 kCal/Kg
		LPSFI	.054505 Rs/ml

ED / Cess on APC		ED Duty on Cess/Taxes	
Total SG for Station	284,712,618.00 kwh	ED/Cess/Taxes Rate	0.070 Rs./kvah
SAIL TEED	kwh	ED Rate on APC	1.306 Rs./kwh
		Energy Schd. for Benf.	23,083,572.00 kwh
		ED/Cess/Taxes Amt.	1,615,850.00 Rs.
		ED on APC Amt.	30,298,743.00 Rs.

Provisional Bill Period		Final Previous Period	
APC excl. Colony Cons.	286,100,509.00 kwh	Plant APC excl. Colony	25,734,024.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	23,196,097.68 kwh	Applicable APC for ED	2,264,092.97 kwh
		Difference	kwh
		Appl. APC ED (Curr. Bill)	23,196,097.68 kwh

Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	3.1410 Rs./kwh	ECR-Rev Prev. Period	3.2280 Rs./kwh
ECR-Rev. Prev. Period	3.2280 Rs./kwh	Schd. Energy (last bill)	23,159,998.00 kwh
Difference	0.087 Rs./kwh	Schd. Energy ( REA )	23,159,998.00 kwh
Energy Schd Prev Period	23,159,998.00 kwh	Diff. of Sched. Energy	kwh
Oth Adj due to ECR Rev.	2,014,919.83 Rs.	Adj. due to Rev. Energy	0.00 Rs.

Other Charges		Rebate & Surcharge Details	
WRLDC fees & charges amt.	14,936.00 Rs.	Cap. Charges Prev Period	Rs.
Uldc charges	0.00 Rs.	Energy Charges Prev Period	72,745,554.72 Rs.
Poc charges (BSP)	0.00 Rs.	Other Adj. Prev Period	1.00 Rs.
Tariff filling fee	0.00 Rs.	Total Applicable	72,745,555.72 Rs.
Miscellaneous charges	0.00 Rs.	Rebate	%
Total Other Charges billed	14,935.70 Rs.	Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.

पंजीकृत केन्द्रीय कार्यालय : चतुर्थ तल, एनटीपीसी टावर, 15, भीकाजी कामा प्लेस, नई दिल्ली - 110066

दूरभाष / Tel: 011-26717378-79-80-82, 26172273/ Fax: 011-, 26717364, 26717365, 26717366, 26717381

Registered Corporate Office: 4<sup>th</sup> Floor, NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066

CHHATTISGARH STATE POWER GENERATION COMPANY LIMITED

(A Govt. of C.G. Undertaking)

Office of the Executive Director (C&RA)

सी एस पी जी सी एल  
CSPGCL

426

NO. 03-09/ Bills-15/ 65

Raipur Dtd.

31-Jan-2023

To,

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

E. D. (RA&PM) CSPDCL Raipur	
No.	8045
Date	02/02/23


**Sub:** Fuel Cost Adjustment calculation for the 4th 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. **-27,32,28,893** /- for the 4th Bi-Monthly period of FY 2022-23 (Oct-22 & Nov-22). As per CSERC order the above FCA amount shall be claimed in two installments w.e.f. **Mar-23**

SE (PM) I

Copy to :-

  
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 C.E. (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-4th Bi Monthly of FY 2022-23 (Oct-2022 & Nov-2022)
- 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

## Fuel Cost Adjustment calculation for the 4th Bi-Monthly period of FY 2022-23.

All Figures in Rs.

Name of Plant	Oct-22	Nov-22	Total
HTPS	-7,77,57,030	-3,77,98,261	-11,55,55,291
DSPM TPS	-5,53,25,687	-5,45,59,006	-10,98,84,693
KW Extn	-4,67,87,738	-2,57,72,709	-7,25,60,447
ABVTPS	48,74,925	1,98,96,613	2,47,71,538
<b>Total</b>	<b>-17,49,95,530</b>	<b>-9,82,33,363</b>	<b>-27,32,28,893</b>

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

Month	HTPS	DSPM TPS	KW Extn	ABVTPS	Total
Mar-23	-5,77,77,646	-5,49,42,347	-3,62,80,224	1,23,85,769	-13,66,14,448
Apr-23	-5,77,77,645	-5,49,42,346	-3,62,80,223	1,23,85,769	-13,66,14,445
<b>Total</b>	<b>-11,55,55,291</b>	<b>-10,98,84,693</b>	<b>-7,25,60,447</b>	<b>2,47,71,538</b>	<b>-27,32,28,893</b>

All Figures in Rs.

  
AE

  
ACE

  
ACE

FORMAT-I

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-22	For Month of November-22
a	Quantity of Coal supplied by Coal/Lignite Company	(MMT)		0.411348250	0.447438000
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)			
c	Coal supplied by Coal Company (a+b)	(MMT)		0.411348250	0.447438
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000822697	0.000894876
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.410525553	0.446543124
g	Amount charged by the Coal / Lignite Company	(Rs.)		748848627.84	814549043.23
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-33731488.38	
i	Net amount charged for Coal (g+h)	(Rs.)		715117139.46	814549043.23
j	Rate of Coal for the period Charged by Coal Company = $(i/(f*10^6))$	Rs/MT		1741.96	1824.12
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	1741.96	1824.12
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	1,829.20	1,911.36
o	Average GCV of coal as received	(kCal/Kg)	3,656.40	3,926.00	3,916.00
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		1.363	1.428
u	ECR as considered in Tariff order	Rs/ KWh	1.519	1.519	1.519
v	Change in ECR (t-u)	Rs/ KWh		-0.156	-0.091
w	Scheduled Generation during the Period	KWh		498442500	415365500
x	FCA Claim for the Period (vXw)	Rs		-7,77,57,030	-3,77,98,261

  
AE

  
SE

  
ACE


423

FORMAT-I

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 October-22	For Month of November-22
a	Quantity of Coal supplied by Coal/Lignite Company	(MMT)		0.202484750	0.220081000
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)			
c	Coal supplied by Coal Company (a+b)	(MMT)		0.202484750	0.220081000
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000404970	0.000440162
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.202079780	0.219640838
g	Amount charged by the Coal / Lignite Company	(Rs.)		363618143.66	400651674.18
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		-13671397.04	
i	Net amount charged for Coal (g+h)	(Rs.)		351946746.62	400651674.18
j	Rate of Coal for the period Charged by Coal Company = $(i/(f*10^6))$	Rs/MT		1741.62	1824.12
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	1741.62	1824.12
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	1,828.86	1,911.36
o	Average GCV of coal as received	(kCal/Kg)	3,656.40	3,926.00	3,916.00
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		1.173	1.229
u	ECR as considered in Tariff order	Rs/ KWh	1.306	1.306	1.306
v	Change in ECR (t-u)	Rs/ KWh		-0.133	-0.077
w	Scheduled Generation during the Period	KWh		351787500.0	334710500
x	FCA Claim for the Period (vXw)	Rs		-4,67,87,738	-2,57,72,709

  
AE

  
SE

  
ACE

FORMAT-I

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 October-22	For Month of November-22
a	Quantity of Coal supplied by Coal Company	(MMT)		0.202340300	0.323734790
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)			
c	Coal supplied by Coal Company (a+b)	(MMT)		0.202340300	0.323734790
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000404681	0.000647470
f	Net coal Supplied (c-e)	(MMT)		0.201935619	0.323087320
g	Amount charged by the Coal Company	(Rs.)		35,71,00,192.66	58,63,12,137.23
h	Adjustment (+/-) in amount charged made by Coal Company	(Rs.)			-5,91,95,910.91
i	Net amount Charged for Coal (g+h)	(Rs.)		35,71,00,192.66	52,71,16,226.32
j	Rate of Coal for the period $= (i/(f \times 10^6))$	Rs/MT	1,827.86	1768.39	1631.50
k	Rate of Bonus payable to Coal Company	Rs/MT			
l	Net Rate of coal payable (j+k)	Rs/MT		1768.39	1631.50
m	Transportation Cost Paid to railways	Rs		3,13,34,904.00	8,03,61,156.00
n	Transportation Charge rate paid to Railways $(m/(f \times 10^6))$	Rs/MT	192.59	155.17	248.73
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	166.61	260.17
q	Landed Price of Coal per MT ((l+p)	Rs./MT	2,031.89	1935.00	1891.67
r	Average GCV of coal / Lignite as recieved	(kCal/Kg)	3,269.32	3,487.00	3,403.43
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/ml	10.00	10.00	10.00
v	Normative Auxiliary Consumption	%	9.00%	9.00	9.00
w	ECR for the Period $= ((s-(tu))/(r) * (q/1000))/(1-v)$	Rs/ KWh	1.509	1.479	1.481
x	ECR as considered in Tariff order	Rs/ KWh	1.656	1.656	1.656
y	Change in ECR (w-x)	Rs/ KWh		-0.177	-0.175
z	Scheduled Generation during the Period	Kwh		312574500	311765750
aa	FCA Claim for the Period (yX z)	Rs		-5,53,25,687	-5,45,59,006

  
AE

  
SE

  
ACE

## FORMAT-I

Details/Information for computation of Energy Charge Rates for FCA

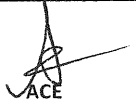
Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : Marwa Thermal Power Plant - ABVTPS ( consolidated =&gt; Gharghoda + Robertson )

	Month	Unit	Considered in Tariff order	For Month of October-22	For Month of November-22
a	Quantity of Coal Transported by railway from Robertson siding	(MMT)	-	0.083302470	0.064382320
b	Quantity of Coal Transported by railway from Gharghoda siding	(MMT)	-	0.143063760	0.187083190
c	Total Coal transferred through rail ( a+b)	(MMT)		0.226366230	0.251465510
d	Per ton Transportation charges from Robertson siding	Rs/MT		1141.12	1075.71
e	Per ton Transportation charges from Gharghoda siding	Rs/MT		1000.78	1028.92
f	Weighted average transportation rate of Coal $\{(aXd+bXe)/c\}$	Rs/MT		1052.42	1040.90
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	2,600.82	2,589.20
k	GCV of coal as received	(kCal/Kg)	3,628.91	3587.00	3480.00
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	1.712	1.825	1.873
q	Coal ECR as considered in Tariff order	Rs/ KWh	1.805	1.805	1.805
r	Change in ECR (p-q)	Rs/ KWh		0.02	0.068
s	Scheduled Generation during the Period	Kwh		24,37,46,250	29,25,97,250
t	FCA Claim for the Period (rXs)	Rs		48,74,925	1,98,96,613


  
AE


  
SE


  
ACE

## FORMAT-I

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

	Month	Unit		For Month of October-22	For Month of November-22
a	Quantity of Coal transferred by railway (RR quantity)	MMT		0.083302470	0.064382320
b	Transportation Cost Paid to railways	Rs		26445708.00	16227915.00
c	Transportation rate paid to Railways = b/a/10 <sup>6</sup>	Rs/MT		317.47	252.06
d	Road Transportation rate ( inclusive of price variation and GST@18%)	Rs/MT		823.65	823.65
e	Total Transportation rate (c+d)	Rs/MT		1141.12	1075.71

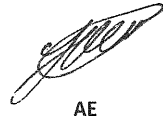
## FORMAT-I

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

	Month	Unit		For Month of October-22	For Month of November-22
a	Quantity of Coal transferred by railway (RR quantity)	MMT		0.143063760	0.187083190
b	Transportation Cost Paid to railways	Rs		62672333	87220955
c	Transportation rate paid to Railways = b/a/10 <sup>6</sup>	ml/ KWh		438.07	466.21
d	Road Transportation rate ( inclusive of price variation and GST@18%)	ml/ KWh		562.71	562.71
e	Total Transportation rate (c+d)	ml/ KWh		1000.78	1028.92

## Note-

1. Values to be filled in shaded 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 particulars column.
4. ECR to be worked out to third digit


  
AE


  
SE


  
ACE



**FORMAT-I**

**Details/Information for Computation of Energy Charge Rates**

419

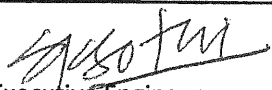
of the Company : Chhattisgarh State Power Generation Company Limited

of the Power Station : HASDEO THERMAL POWER STATION: Korba (West) **(4x210MW)**

	Month	Unit	Considered in Tariff order	For Month of October-2022
a	Quantity of Coal supplied by Coal Company	(MMT)	-	0.41134825
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)	-	0
c	Coal supplied by Coal Company (a+b)	(MMT)	-	0.41134825
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.)	-	74,88,48,627.84
h1	Adjustment (+/-) in amount charged made by Coal Company ( Supplementary Bill Amount)	( Rs.)		
h2	Adjustment (+/-) in amount charged made by Coal Company ( Credit Note Amount)	(Rs.)	-	(3,37,31,488.38)
	Net amount Charged by Coal Company (g+h)	( Rs.)	-	71,51,17,139.46
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)	3656.4	
p	Normative SHR	Kcal/ KWh	2650	
q	Normative Specific Oil Consumption	ml/ KWh	0.80	
r	GCV of Secondary Fuel (Oil)	Kcal/ml	10	
s	Normative Auxiliary Consumption	%	9.70	
t	Coal ECR for the Period= $((p-(qxr))/(0)*(n/1000)/(1-s))$	Rs/ KWh		
u	Coal ECR as considered in Tariff order	Rs/ KWh	1.519	
v	Change in ECR (t-u)	Rs/ KWh		
w	Schedule Generation during the Period	KWh		55,37,61,396
x	FCA Claim for the Period (vXw)	Rs		

**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 particulars columnn.
4. ECR to be worked out to third digit decimal.

  
 Executive Engineer  
 HTPS, CSPGCL, Korba West

**FORMAT-I**

**Details/Information for Computation of Energy Charge Rates**

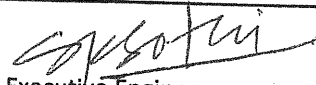
Name of the Company : Chhattisgarh State Power Generation Company Limited

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

	Month	Unit	Considered in Tariff order	For Month of October-2022
a	Quantity of Coal supplied by Coal Company	(MMT)	-	0.20248475
b	Adjustment (+/-) in quantity supplied made by Coal Company	(MMT)	-	0
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)	-	0.20248475
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.)	-	36,86,18,143.66
h1	Adjustment (+/-) in amount charged made by Coal Company ( Supplementary Bill Amount)	(Rs.)		
h2	Adjustment (+/-) in amount charged made by Coal Company (Credit Note Amount)	(Rs.)	-	(1,66,71,397.04)
i	Net amount Charged by Coal Company (g+h)	( Rs.)	-	35,19,46,746.62
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= $((p-(qxr))/(0)*(n/1000))/(1-s)$	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		37,50,91,000
x	FCA Claim for the Period (vXw )	Rs		

**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 particulars column.
4. ECR to be worked out to third digit decimal.

  
 Executive Engineer  
 HTPS, CSPGCL, Korba West