

Computation of VCA Charges (2nd bi-monthly period of FY 2021-22)

CHFC: -

Month	HTPS	DSPM TPS	Korba (W) Extn.	Total Amt.in Rs.
Jun-21	8,82,87,557	1,91,17,904	5,58,54,098	16,32,59,559
Jul-21	2,72,49,118	2,58,42,810	2,14,68,645	7,45,60,573
Total in Rs.	11,55,36,675	4,49,60,714	7,73,22,743	23,78,20,132

(B) CHPP:

- (i) Total units purchased from NTPC and NSPCL : 2,31,68,84,984 KWh ✓
- (ii) Amount paid against units purchased : Rs. 9,24,62,99,067 ✓
- (iii) Rate per unit : Rs. 3.99 /KWh ✓
- (iv) Average rate approved by CSERC for purchase of power from Central generating stations (NTPC & NSPCL only) : Rs. 3.34/KWh ✓
- (v) Diff. in rate (iii-iv) : Rs. 0.65/KWh ✓
- (vi) CHPP (in Rs.) (i)x(v) : Rs. 150,59,75,240 ✓
- C. Gross VCA (A+B) in Rs : Rs. 174,37,95,372 ✓
- D. Total quantum of power purchased during the period : 578,25,63,135 Kwh ✓
- E. Quantum of power purchased for sale to retail consumers of the State : 504,39,74,135 KWh ✓
- F. Allowable VCA (in Rs.)(C*(E/D)) : Rs. 152,10,65,753 ✓
- G. Normative transmission & distribution losses as specified in Tariff order : 16.08%
- H. Allowable VCA Charges(Rs./Kwh) (F/E*(1-G)) : Rs. 0.36 per KWh ✓

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

- 1 DLF consumers up to 100 units Rs. 0.18 per unit
- 2 DLF consumers 101 to 200 units Rs. 0.19 per unit
- 3 DLF consumers above 200 units Rs. 0.36 per unit
- 4. Agriculture Consumers Rs. 0.36 per unit
- 5. Rest all categories Rs. 0.36 per unit

To be recovered from energy bill for the consumption in the months of Sep'2021 and Oct'2021 payable in the months of Oct'2021 and Nov'2021 respectively.

Boell *Harje*

Computation of CHPP

S.No.	Particulars		
1	Scheduled energy purchased from CGs during 2nd bi-monthly period of FY 2021-22	Kwh	2,31,68,84,984
2	Amount paid against units purchased	Rs.	9,24,62,99,067
3	Average rate of power purchase	Rs./Kwh	3.99
4	Average rate of Power Purchase as per Tariff Order	Rs./Kwh	3.34
5	Difference in the average rate of PP	Rs./Kwh	0.65
6	CHPP(Change in the cost of power purchased from CGs)	Rs.	1505975240

Computation of VCA (2nd Bi-monthly period of FY 2021-22)

S.No.	Particulars		
1	CHFC	Rs.	237820132
2	CHPP	Rs.	1505975240
3	Gross VCA(sub total in Rs.)	Rs.	1743795372
4	Allowable VCA(in Rs.)	Gross VCA (in Rs.) \times Q _{Rs} /Q _{app}	1521065753
5	Allowable VCA(in Rs/Kwh)	Allowable VCA (in Rs.)/[Q _{Rs} *(1-L)]	Rs./Kwh 0.36

Boad
AE

Computation of Qpp and Qrs (2nd Bi-monthly of FY 2021-22)

S No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	Q_1	2438597380	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations(Bango)	Q_2	32914355	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations(Small Hydel Station of CSPGCL + CoGen Kawardha)	Q_3	1649032	KwH
4	Quantum of scheduled power purchased from CGs at state periphery	Q_4	3073928146	KwH
5	PGCIL actual losses for the bi-monthly period	L1	2.73%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L1)$	2990009908	KwH
7	Quantum of actual power purchased from Renewable energy Sources	Q_6	240025274	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	30671000	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery (IEX)	$Q_9=Q_8(1-L1)$	29833682	KwH
11	Quantum of power purchased from other Sources(if any)(Short term + Border Village+Un schduled)	Q_{10}	49533504	KwH
12	Total Quantum of power purchased	$Q_{PP}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	5782563135	KwH
13	Normative transmission and distribution losses as specified in the Tariff order	L	16.08%	
14	Quantum of power scheduled for interstate sale(Sale through IEX+Sale to Telangana)	Q_{PT}	738589000	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{PP}-Q_{PT}$	5043974135	KwH

Ballo
AE



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 : 01.07.2021 - 31.07.2021

Bill Date : 05.08.2021

Bill No. 6300267

Beneficiary Name : Chhatisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

		Beneficiary Data	
PAFM	103.0769 %	Energy Schd.	20,134,898.00 kwh
NAPAF	85.000 %		

Energy Charge Rate (ECR)		((GHR - SFC x CVSE) x LPPF / CVPF + SEC x LPSFI + LC x LPL) x 100 / (100 - AUC)	
ECR	2.5880 Rs/kwh		
Values		Month Values	
AUX	9.000 %	CVSF	9.8910 Kcal/ml
GHR	2415.000 kCAL/kwh	LPPF	3.0069 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3189.779 kCal/Kg
		LPSFI	.042075 Rs/ml

ED Basis on APC		ED Duty on Cess/Taxes	
Total SG for Station	323,129,825.00 kwh	ED/Cess/Taxes Rate	0.050 Rs./kwh
SAIL TEED	kwh	ED Rate on APC	0.593 Rs./kwh
		Energy Schd. for Benf.	20,134,898.00 kwh
		ED/Cess/Taxes Amt.	1,006,745.00 Rs.
		ED on APC Amt.	1,091,306.00 Rs.

APC excl. Colony Cons.	29,533,820.00 kwh	Plant APC excl. Colony	25,294,175.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	1,840,314.35 kwh	Applicable APC for ED	1,195,369.62 kwh
Previous Period		Difference	
APC excl. Colony	25,294,175.00 kwh	Appl. APC ED (Curr. Bill)	1,840,314.35 kwh
Power factor	1.0000		
Appl. APC for ED	1,195,369.62 kwh		

Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	2.5480 Rs./kwh	ECR-Rev Prev. Period	2.5540 Rs./kwh
ECR-Rev. Prev. Period	2.5540 Rs./kwh	Schd. Energy (last bill)	13,434,425.00 kwh
Difference	0.006 Rs./kwh	Schd. Energy (REA)	13,434,425.00 kwh
Energy Schd Prev Period	13,434,425.00 kwh	Diff. of Sched. Energy	kwh
Oth Adj due to ECR Rev.	80,606.55 Rs.	Adj. due to Rev. Energy	0.00 Rs.

Other Charges		Rebate & Surcharge Data	
WRLDC fees & charges amt.	10,690.00 Rs.	Cap. Charges Prev Period	Rs.
Uldc charges	0.00 Rs.	Energy Charges Prev Period	34,230,915.90 Rs.
Poc charges (BSP)	0.00 Rs.	Other Adj. Prev Period	Rs.
Tariff filling fee	0.00 Rs.	Total Applicable	34,230,915.90 Rs.
Miscellaneous charges	0.00 Rs.	Rebate	%
Total Other Charges billed	10,689.60 Rs.	Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.



एनटीपीसी-सेल पावर कंपनी लिमिटेड

(एनटीपीसी और सेल का संयुक्त उपक्रम)

NTPC-SAIL Power Company Limited

(A joint venture of NTPC & SAIL)

381

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

Energy Bill : 01.06.2021 - 30.06.2021

Bill Date : 06.07.2021

Bill No. 6300263

Beneficiary Name : Chhatisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	%	Energy Schd.	13,434,425.00 kw
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	2.5480 Rs/kwh		
Base Values		Month Values	
AUX	9.000 %	CVSF	9.9580 Kcal/ml
GHR	2415.000 kCAL/kwh	LPPF	3.0404 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3270.763 kCal/Kg
		LPSFI	.038030 Rs/ml

ED / Cess on APC		ED Duty on Cess/Taxes	
Total SG for Station	284,274,163.00 kwh	ED/Cess/Taxes Rate	0.050 Rs./kvah
SAIL TEED	kwh	ED Rate on APC	0.593 Rs./kwh
		Energy Schd. for Benf.	13,434,425.00 kwh
		ED/Cess/Taxes Amt.	671,721.00 Rs.
		ED on APC Amt.	407,677.00 Rs.

This Bill Period		Final Bill Period	
APC excl. Colony Cons.	25,294,175.00 kwh	Plant APC excl. Colony	27,050,417.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	1,195,369.62 kwh	Applicable APC for ED	1,803,962.01 kwh
Provisional Previous Period		Difference	
APC excl. Colony	27,050,417.00 kwh	Appl. APC ED (Curr. Bill)	1,195,369.62 kwh
Power factor	1.0000		
Appl. APC for ED	1,803,962.01 kwh		

Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	2.5600 Rs./kwh	ECR-Rev Prev. Period	2.5130 Rs./kv
ECR-Rev. Prev. Period	2.5130 Rs./kwh	Schd. Energy (last bill)	21,080,911.00 kwh
Difference	0.047- Rs./kwh	Schd. Energy (REA)	21,080,911.00 kwh
Energy Schd Prev Period	21,080,911.00 kwh	Diff. of Sched. Energy	kwh
Oth Adj due to ECR Rev.	990,802.82- Rs.	Adj. due to Rev. Energy	0.00 Rs.

Other Charges		Rebate & Surcharge Details	
WRLDC fees & charges amt.	10,704.00 Rs.	Cap. Charges Prev Period	Rs.
Uldc charges	0.00 Rs.	Energy Charges Prev Period	53,967,131.16 Rs.
Poc charges (BSP)	0.00 Rs.	Other Adj. Prev Period	Rs.
Tariff filling fee	0.00 Rs.	Total Applicable	53,967,131.16 Rs.
Miscellaneous charges	6,298,480.00- Rs.	Rebate	%
Total Other Charges billed	6,287,776.00- Rs.	Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	84,127.00 Rs.

पंजीकृत केन्द्रीय कार्यालय : चतुर्थ तल, एनबीसीसी 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: 4th Floor, NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066

37

BILL No. AUG 2021/CSEB

WESTERN REGION HEADQUARTERS, MUMBAI-400093
AUG 2021

FAX to: (Folio, DGM/Comm)
0771-2258160

CUSTOMER: CSEB

Sl.No.	PARTICULARS	CUSTOMER: CSEB										AMT(Rs)						
		RS1PS	RS2PS	RS3PS	RS4PS	RS5PS	RS6PS	RS7PS	RS8PS	RS9PS	RS10PS							
	Energy scheduled(KWH)	137760125	35028965	0	0	63863708	38408053	19729471	0	214243703	95148094	25388567	10075219	18571059	13709810	32306833	445195012	20087292
	Energy Charges(Pwr/KWH)	14270	14010	16630	16020	15900	15700	29820	0	16860	17480	16180	32900	32750	24720	276400	232300	290900
01	Capacity Charges	83035376	58726026	0	0	6646314	56947365	66808922	0	274147283	11780221	39052874	72240958	15222572	19006035	0	87545091	119746301
02 a.	Energy Charges	196503698	49072778	0	0	101542295	60300643	59833283	0	363357220	166318868	41080319	33747471	53764165	33875324	0	89296086	56433932
02 b.	MOPA Charges																	
03	Incentive	7557625	3645745	0	0	0	602937	0	0	15069965	730269	720082	0	0	(43761)	0	(6769459)	0
04 a.	ED&Cess on APC	13472926	4452843	0	0	3453507	2712799	0	0	18798860	9274725	1819219	0	0	0	0	41316042	0
04 b.	ED&Cess on Sales	20086636	7498735	0	0	0	0	0	0	30606030	15019632	0	0	0	0	0	70615592	0
	Total (Main Bills) Rs.	320738281	116105637	0	0	173545117	120643744	125142205	0	665249478	305111734	82872484	105388429	205989737	52437598	0	276841177	178182233
05	EC Revisions	0	0	0	0	(267667)	(168885)	0	0	0	0	(53691)	0	0	(2155320)	0	0	0
06	RLOC Charges - June-2021	59568	21317	0	0	29833	17776	17219	0	88953	44904	11418	24555	45161	18837	0	44240	35739
07	Compensation July-2021	0	0	0	0	0	0	6934983	0	0	0	0	(561620)	955012	0	0	8753499	5305559
08	RTM Gain Sharing July-2021	0	0	0	0	0	0	(35428)	0	0	0	0	(33453)	(150078)	0	0	(173184)	0
09	ROE Adjustment VSTPS-1 & Lara (Up to June-21)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(278567)
10	Deferred Tax (FY 2020-21)	603370	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(11164638)	(11164638)
11	CC Adj. at pwr. EURS REA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12																		
13																		
14																		
15	LC Bill (Gross) Rs.	321401199	116126954	0	0	173307283	120492637	132659479	0	665338441	305176638	82830221	104817911	208839832	51155718	0	285465732	183245084
16	Net LC Bill (Gross-Rebate)	321401199	116126954	0	0	173307283	120492637	132659479	0	665338441	305176638	82830221	104817911	208839832	51155718	0	285465732	183245084
		TOTAL PAYABLE for the month																
		NET PAYABLE (Rs.)																
		4652622461																
		4652622461																

For & on behalf of NTPC Ltd.

373

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


AE


SE


ACE

677

N T P C LIMITED
WESTERN REGION HEADQUARTERS, MUMBAI-400093

LC BILL RAISED IN THE MONTH OF JULY 2021

FAX to: Mr. Anand Patle, DGM(Comm)
0771 - 2259160

Bill No.	JULY 2021/CSEB	CUSTOMER: CSEB																			
Sl.No.	PARTICULARS	KSTPS	KSTPS 3	VSTPS1	VSTPS2	VSTPS3	VSTPS4	MSTPS1	KGPS	JGPS	SIPAT-1	SIPAT-2	VSTPS5	MST-2	SLP	KHSTPS 2	RSTPS	GSTPS	LARA	KHARGONE	AMT (RS.)
01.	Capacity Charges	82921221	60382700	0	0	59136466	56947365	6662245	0	0	237417283	113788720	36647938	74660051	159024024	19006035	0	18807535	775536152	132592095	2064804840
02.a.	Energy Charges	196686630	71997457	0	0	82930422	64392437	40397170	0	0	292797680	146093572	3705767	38873244	0	33541877	0	0	105123077	0	2056883043
02.b.	MOPA Charges								APM : 151.9 N-APM : 0 Lq : 1609.4 RLNG : 763.9 N-APM : 161.9												
03.	Incentive	7695876	3645745	0	0	0	2522416	0	0	0	12631767	4829336	295093	0	0	43761	0	0	8769459	0	40433453
04.a.	ED&Cess on APC	14530220	4706165	0	0	4731705	2906501	0	0	0	17880620	10093635	2075500	0	0	0	0	1745405	3389970	832008	93398729
04.b.	ED&Cess on Sales	2196925	7842818	0	0	0	0	0	0	0	28879502	16292115	0	0	0	0	0	0	58224668	0	132626028
	Total (Main Bills) Rs.	323402872	148574885	0	0	146858593	126768719	107039415	0	0	599606862	293087178	78724298	113538295	159024034	52591673	0	189822940	1927550026	133424103	4390152093
05.	EC Revisions	3453468	1210417	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4663885
06.	RUDC Charges - May-2021 & Prev. Revisions	(82289)	(52614)	0	0	(41891)	(24713)	(24472)	0	0	(124257)	(62739)	(2117)	23857	50080	(66639)	0	43290	2223575	36504	(106244)
07.	Compensation May-2021 (MST-2, KGNST & Gandhar) & Mar-21 (KWGPS & JGGPS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10291633
08.																					0
09.	RTM Gain Sharing June-2021	0	0	0	0	0	0	(939521)	0	0	0	0	0	(658122)	0	0	0	0	0	0	(1597843)
10.	FERV & Hedging 2020-21	0	0	0	0	0	8019250	8042231	0	0	1965762	15947076	1446353	15947076	9423953	0	0	(248536)	(15149031)	(14363747)	15083311
11.	Compensation June-2021	0	0	0	0	0	0	18124592	0	0	0	0	0	(425475)	0	0	0	0	0	0	17698117
12.																					0
13.																					0
14.																					0
15.	LC Bill (Gross) Rs.	326779051	149732688	0	0	146816702	134763256	132262245	0	0	591448387	293034640	80167934	136300815	163498847	52525034	0	189617694	1912731570	121512309	4436185152
16.																					0
17.	Net LC Bill (Gross Rebate)	326779051	149732688	0	0	146816702	134763256	132262245	0	0	591448387	293034640	80167934	136300815	163498847	52525034	0	189617694	1912731570	121512309	4436185152
i																					
ii																					
iii																					
		TOTAL PAYABLE for the month																			
		NET PAYABLE (Rs.)																			
		For & on behalf of NTPC Ltd.																			

REBATABLE F 4436185152
NON-REBATABLE R 0
Total Bill I 4436185152

374



CHHATTISGARH STATE POWER GENERATION COMPANY LIMITED

(A Govt. of C.G. Undertaking)

Office of the Executive Director (C&RA)

NO. 03-09/ Bills-15/ **H89**

Raipur Dtd.

31-Aug-2021

To,

The Chief Engineer (RA&PM)
4th Floor Vidyut Seva Bhawan
CSPDCL, Raipur

E. D.(RA& P.M.) C.S.P.D.C.L. Raipur	
Letter Receipt	
No.	3128
Date	02/09/2021

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

- Ref:**
- 1) CSERC MYT Regulations 2015.
 - 2) CSERC tariff order dtd. 30/05/2020
 - 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. **30,29,06,270** /- for the 2nd Bi-Monthly period of FY 2021-22 (June-21 & July-21). As per CSERC order the above FCA amount shall be claimed in two installments w.e.f. **Oct-21**

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

Raipur
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-2nd Bi Monthly of FY 2021-22 (June-2021 & July-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

SE (PM) I
02/09/21
04-09-21

FORMAT-I

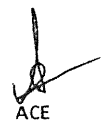
Details/Information for Computation of Energy Charge Rates

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 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


AE


ACE


ACE

372

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 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 company (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


AE


SE


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 : 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= ((t-(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


AE




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 : 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	

[Signature]
AE

[Signature]

[Signature]
ACE

368

FORMAT-I

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/(fX10^6))	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/(fX10^6))	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			


AE


SE


ACE

367

FORMAT-I

 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/(fX10^6))	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/(fX10^6))	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".


AE


ACE


ACE

FORMAT-I

366

Details/Information for Computation of Energy Charge Rates for FCA for -- JUNE ' 2021


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	Jun-21
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.36945609
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-	0
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)	-	0.36945609
d	Normative Transit & Handling Losses	%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)	-	
f	Net coal / Lignite Supplied (c-e)	(MMT)	-	
g	Amount charged by the Coal / Lignite Company	(Rs.)	-	66,36,62,693.58
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	-	
i	Net amount Charged by Coal Company (g+h)	(Rs.)	-	66,36,62,693.58
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 company (j+k)	Rs/MT		
m	Transportation Charge per Ton	Rs/MT		
n	Landed Price of Coal per MT (l+m)	Rs./MT		
o	Average GCV of coal / Lignite as fired	(kCal/Kg)	3406.33	
p	Normative SHR	Kcal/ KWh	2650	
q	Normative Specific Oil Consumption	ml/ KWh	0.8	
r	GCV of Secondary Fuel (Oil)	Kcal/ml	10	
s	Normative Auxiliary Consumption	%	9.70	
t	ECR for the Period= $((p-(qxr))/(0)*(n/1000))/(1-s)$	Rs/ KWh		
u	ECR as considered in Tariff order	Rs/ KWh	1.452	
v	Change in ECR (t-u)	Rs/ KWh		
w	Net Generation during the Period	KWh		
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

353

FORMAT-I


Details/Information for Computation of Energy Charge Rates for FCA for -- JUNE ' 2021

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	Jun-21
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.18197091
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-	0
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)	-	0.18197091
d	Normative Transit & Handling Losses	%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)	-	
f	Net coal / Lignite Supplied (c-e)	(MMT)	-	
g	Amount charged by the Coal / Lignite Company	(Rs.)	-	32,68,78,640.19
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	-	-
i	Net amount Charged by Coal Company (g+h)	(Rs.)	-	32,68,78,640.19
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		
m	Transportation Charge per Ton	Rs/MT		
n	Landed Price of Coal per MT (l+m)	Rs./MT		
o	Average GCV of coal / Lignite as fired	(kCal/Kg)	3406.33	
p	Normative SHR	Kcal/ KWh	2375	
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	ECR for the Period= $((p-(qxr))/(0)*(n/1000))/(1-s)$	Rs/ KWh		
u	ECR as considered in Tariff order	Rs/ KWh	1.243	
v	Change in ECR (t-u)	Rs/ KWh		
w	Net Generation during the Period	KWh		
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