

**Computation of VCA Charges (4th bi-monthly period of FY 2019-20)**

**(A) CHFC: -**

Month	KTPS	HTPS	DSPM TPS	Korba(W) Extn.	Total Amt. in Rs
Oct-19	4,08,480	7,25,98,438	5,31,24,660	4,90,14,557	<b>17,51,46,135</b>
Nov-19	-24,57,228	2,27,41,650	8,37,89,073	1,87,51,438	<b>12,28,24,933</b>
<b>Total</b>	<b>-20,48,748</b>	<b>9,53,40,088</b>	<b>13,69,13,733</b>	<b>6,77,65,995</b>	<b>29,79,71,068</b>

**(B) CHPP:**

- (i) Total units purchased from NTPC and NSPCL : 1,70,84,05,053 KWh
- (ii) Amount paid against units purchased : Rs. 6,79,74,64,394
- Rate per unit : Rs. 3.98 /KWh
- (iii) Average rate approved by CSERC for purchase of power from Central generating stations(NTPC & NSPCL only) : Rs. 3.11 /KWh
- (iv) Diff. in rate (ii-iii) : Rs.0.87 /KWh
- (v) CHPP (in Rs.) (i)x(iv) : Rs. 1,48,63,12,396
- C. Gross VCA (A+B) in Rs : Rs.1,78,42,83,464
- D. Total quantum of power purchased during the period : 5,15,43,32,741 Kwh
- E. Quantum of power purchased for sale to retail consumers of the State : 4,66,37,45,156 KWh
- F. Allowable VCA (in Rs.)[C\*(E/D)] : Rs. 1,61,44,55,989
- G. Normative transmission & distribution losses as specified in Tariff order : 16.58%
- H. Allowable VCA Charges(Rs./Kwh) (F/E\*(1-G)) : **Rs. 0.41 per KWh**

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

- |    |                                |                   |
|----|--------------------------------|-------------------|
| 1  | DLF consumers up to 100 units  | Rs. 0.17 per unit |
| 2  | DLF consumers 101 to 200 units | Rs. 0.18 per unit |
| 3  | DLF consumers above 200 units  | Rs. 0.41 per unit |
| 4. | Agriculture Consumers          | Rs. 0.41 per unit |
| 5. | Rest all categories            | Rs. 0.41 per unit |

To be recovered from energy bill for the consumption in the months of Jan'2020 and Feb'2020 payable in the months of Feb'2020 and March'2020 respectively.

*Baell*  
AE

## Computation of CHPP

S.No.	Particulars		
1	Scheduled energy purchased from CGs during 4th bi-monthly period	Kwh	1,70,84,05,053
2	Amount paid against units purchased	Rs.	6,79,74,64,394
3	Average rate of power purchase	Rs./Kwh	3.98
4	Average rate of Power Purchase as per Tariff Order	Rs./Kwh	3.11
5	Difference in the average rate of PP	Rs./Kwh	0.87
6	CHPP(Change in the cost of power purchased from CGs)	Rs.	1486312396

## Computation of VCA (4th Bi-monthly period of FY 2019-20)

S.No.	Particulars		
1	CHFC	Rs.	297971068
2	CHPP	Rs.	1486312396
3	Gross VCA(sub total in Rs.)	Rs.	1784283464
4	Allowable VCA(in Rs.)	Gross VCA (in Rs.)xQ <sub>Rs</sub> /Q <sub>app</sub>	1614455989
5	Allowable VCA(in Rs/Kwh)	Allowable VCA (in Rs.)/[Q <sub>Rs</sub> *(1-L)]	Rs/Kwh 0.41

*Aswath*  
AE

### Computation of Qpp and Qrs (4th Bi-monthly of FY 2019-20)

S No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	$Q_1$	2524847620	Kwh
2	Quantum of actual power purchased from CSPGCL hydro Power stations(Bango)	$Q_2$	45777407	Kwh
3	Quantum of actual power purchased from CSPGCL Renewable Power stations(Small Hydle Station of CSPGCL + CoGen Kawardha)	$Q_3$	3230570	Kwh
4	Quantum of scheduled power purchased from CGs at state periphery (CSPTrdCL+NTPC+NSPCL+NPCIL+OHPCL+NHPCL+Bundle Power+SECI)	$Q_4$	2071426296	Kwh
5	PGCIL actual losses for the bi-monthly period	L1	2.96%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L1)$	2010112078	Kwh
7	Quantum of actual power purchased from Renewable energy Sources	$Q_6$	190308972	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)	$Q_8$	118861720	Kwh
10	Quantum of scheduled short term purchased through inter-state route at the State periphery (IEX)	$Q_9=Q_8(1-L1)$	115343413	Kwh
11	Quantum of power purchased from other Sources(if any)(Short term + Border Village+Un schduled)	$Q_{10}$	264712681	Kwh
12	Total Quantum of power purchased	$Q_{pp}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	5154332741	Kwh
13	Normative transmission and distribution losses as specified in the Tariff order	L	16.58%	
14	Quantum of power scheduled for interstate sale(Sale through IEX+Sale to Telangana)	$Q_{PT}$	490587585	Kwh
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{pp}-Q_{PT}$	4663745156	Kwh

*Baell*  
AE



**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 : 01.10.2019 - 31.10.2019

Bill Date : 06.11.2019

Bill No. 6300183

Beneficiary Name : Chhatisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	102.2664 %	Energy Schd.	14,781,178.00 kwh
NAPAF	85.000 %		

Energy Charge Rate (ECR)		((GHR - SFC x CVSF) x LPPF / CVPF + SFC x LPSB + LC x LPI) x 100 / (100 - ATIV)	
ECR	3.5080 Rs/kwh		
Base Values		Month Values	
AUX	9.000 %	CVSF	10.0070 Kcal/ml
GHR	2415.000 kCAL/kwh	LPPF	4.7676 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3706.343 kGal/Kg
		LPSFI	Rs/ml
ED / Cess on APC		ED Duty on Cess/Taxes	
Total SG for Station	250,532,371.00 kwh	ED/Cess/Taxes Rate	0.050 Rs./kwh
SAIL TEED	kwh	ED Rate on APC	0.607 Rs./kwh
Total	250,532,371.00 kwh	Energy Schd. for Benf.	14,781,178.00 kwh
		ED/Cess/Taxes Amt.	739,059.00 Rs.
		ED on APC Amt.	667,261.00 Rs.
Provisional Bill Period		Final Previous Period	
APC excl. Colony Cons.	18,632,095.00 kwh	Plant APC excl. Colony	18,536,743.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	1,099,276.36 kwh	Applicable APC for ED	1,591,898.00 kwh
Provisional Previous Period		Difference	kwh
APC excl. Colony	18,536,743.00 kwh	Appl. APC ED (Curr. Bill)	1,099,276.36 kwh
Power factor	1.0000		
Appl. APC for ED	1,591,898.00 kwh		
Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	4.2940 Rs./kwh	ECR-Rev Prev. Period	4.2610 Rs./kwh
ECR-Rev. Prev. Period	4.2610 Rs./kwh	Schd. Energy (last bill)	23,212,033.00 kwh
Difference	0.033- Rs./kwh	Schd. Energy ( REA )	23,212,033.00 kwh
Energy Schd Prev Period	23,212,033.00 kwh	Diff. of Sched. Energy	kwh
Oth Adj due to ECR Rev.	765,997.09- Rs.	Adj. due to Rev. Energy	0.00 Rs.
Other Charges		Rebate & Surcharge Details	
WRDLC fees & charges amt.	137,474.00 Rs.	Cap. Charges Prev Period	Rs.
Total Other Charges billed	137,474.00 Rs.	Energy Charges Prev Period	99,672,470.70 Rs.
		Other Adj. Prev Period	Rs.
		Total Applicable	99,672,470.70 Rs.
		Rebate	%
		Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.

पंजीकृत कंपनी का कार्यालय 2 अगस्त स्तर, एनटीपीसी टावर, 15, भिकाजी गमा प्लेस, नई दिल्ली - 110066

पूरुवाह / Tel: 011-26717378-79-80-82, 26172273/ Fax: 011-, 26717364, 26717385, 26717366, 26717381  
Registered Corporate Office: 4<sup>th</sup> Floor, NBCC Tower, 15 Bhikaji Gama Place, New Delhi-110066



एनटीपीसी-सेल पावर कंपनी लिमिटेड

(एनटीपीसी और सैल का संयुक्त उपक्रम)

**NTPC-SAIL Power Company Limited**

(A joint venture of NTPC & SAIL)

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

Energy Bill : 01.11.2019 - 30.11.2019

Bill Date : 05.12.2019

Bill No. 6300187

Beneficiary Name : Chhatisgarh State Power

GSTIN Of Beneficiary : 22AADCC6047K1ZR

Station Data		Beneficiary Data	
PAFM	95.1323 %	Energy Schd.	19,478,786.00 kwh
NAPAF	85.000 %		

Energy Charge Rate (ECR)		$(GHR - SFC \times CVSF) \times LPPF / CVPF + SFC \times LPSFI + LC \times LPL \times 100 / (100 - ATX)$	
ECR	3.1780 Rs/kwh		
Base Values		Month Values	
AUX	9.000 %	CVSF	9.6950 Kcal/ml
GHR	2415.000 kGAL/kwh	LPPF	4.4078 Rs/Kg
SFC	0.500 mL/kwh	CVPF	3782.967 kCal/Kg
		LPSFI	Rs/ml

ED / Cess on APC		ED Duty on Cess/Taxes	
Total SG for Station	232,322,843.00 kwh	ED/Cess/Taxes Rate	0.050 Rs./kwh
SAIL TEED	kwh	ED Rate on APC	0.607 Rs./kwh
		Energy Schd. for Benf.	19,478,786.00 kwh
Total	232,322,843.00 kwh	ED/Cess/Taxes Amt.	973,939.00 Rs.
		ED on APC Amt.	899,872.00 Rs.

Provisional Bill Period		Final Previous Period	
APC excl. Colony Cons.	17,681,617.00 kwh	Plant APC excl. Colony	18,632,095.00 kwh
Power factor	1.0000	Power factor	1.0000
Appl. APC for ED	1,482,490.61 kwh	Applicable APC for ED	1,099,276.36 kwh
Provisional Previous Period		Difference	
APC excl. Colony	18,632,095.00 kwh	Appl. APC ED (Curr. Bill)	1,482,490.61 kwh
Power factor	1.0000		
Appl. APC for ED	1,099,276.36 kwh		

Adjustment due to Revised ECR		Adjustment due to Revised REA	
ECR Prev. Period	3.5080 Rs./kwh	ECR-Rev Prev. Period	3.4460 Rs./kwh
ECR-Rev. Prev. Period	3.4460 Rs./kwh	Schd. Energy (last bill)	14,781,178.00 kwh
Difference	0.062- Rs./kwh	Schd. Energy ( REA )	14,781,178.00 kwh
Energy Schd Prev Period	14,781,178.00 kwh	Diff. of Sched. Energy	kwh
oth Adj due to ECR Rev.	916,433.04- Rs.	Adj. due to Rev. Energy	0.00 Rs.

Other Charges		Rebate & Surcharge Details	
WRLDG fees & charges amt.	11,578.00 Rs.	Cap. Charges Prev Period	Rs.
Total Other Charges billed	11,578.00 Rs.	Energy Charges Prev Period	51,852,371.42 Rs.
		Other Adj. Prev Period	Rs.
		Total Applicable	51,852,371.42 Rs.
		Rebate	%
		Rebate Amount (-) (Rs.)	Rs.
		Surcharge (+) (Rs.)	0.00 Rs.

पंजीकृत केन्द्रीय कार्यालय : चतुर्थ तल, एनटीपीसी टावर, 15, भिकोजी 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

*[Handwritten signature]*

REF: REA20191010  
 Bill No. WR-19-20: CSPDCL  
 DATED: 6-Nov-19  
 DATED: 6-Nov-19

**NTPC LIMITED**  
 WESTERN REGION HEADQUARTERS, MUMBAI-400033  
**LC BILL RAISED IN THE MONTH OF NOVEMBER 2019**

FAX NO: M. Arvind Patle, DGM(Commt)  
 0771-226816

Sl. No.	PARTICULARS	CUSTOMER: CSEB														AMT (Rs)			
		KSTPS	KSTPS3	YSTPS1	YSTPS2	YSTPS3	YSTPS4	YSTPS1	YSTPS2	YSTPS3	YSTPS4	YSTPS5	SIPAT-1	SIPAT-2	MSI-2		SLP	KSTPS2	Gadaniwara
	Energy scheduled (KWH)	109861524	50389087	0	0	60112251	36641573	28694722	0	182830727	48086246	23652361	33955254	30386440	14220478	2519576	18272649		
	Energy Charges (Rs/KWH)	138.20	135.50	165.50	161.50	159.50	157.20	320.20		1175.50	180.50	162.70	330.50	336.70	207.40	329.90	229.80		
01.	Capacity Charges	85810948	8921044	0	0	8473062	6062185	7239957	0	240639335	10126414	45633000	86129101	184472075	19410501	91282624	469465792		AMT (Rs)
02.a.	Energy Charges	151955826	68273168	0	0	95379040	57600553	77263248	0	321775149	86938125	36287039	12247980	111427075	29463271	8312081	41882643		1586354978
02.b.	MOPA Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1586354978
03.	Penalty	6307245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
04.a.	EDS/Cess on APC	9701841	3817101	0	0	4688933	1782061	0	0	1179592	6068067	2660144	0	0	0	0	0		20801123
04.b.	EDS/Cess on Sales	1427208	8473959	0	0	4688933	1782061	0	0	18135482	8236638	0	0	0	0	0	0		40575649
	Total (Main Bills) Rs.	257434675	14828322	0	0	164240855	120066419	149523805	0	682347248	193126411	82469078	238277681	245699150	48903872	93624605	888320275		3242394761
05.	RE-ACR Rtn - September-19	4186031	1899128	0	0	0	0	0	0	0	0	0	0	0	0	0	0		6085659
06.	05.05.17																		
07.	RLOC Cris-September 2019	49004	17374	0	0	25255	17022	4044578	0	72903	36856	11694	913998	39306	16080	19029			4858474
08.	WRLDC Cris-Rtn 2014-19	545949	200765	0	0	288800	659468	160892	0	818021	410219	97821	192897	160070					346876
09.	ECR Rtn MS1127 Rhs2																		301622
10.																			2045079
11.																			0
12.																			0
13.																			0
14.																			0
15.	LC Bill (Gross) Rs.	256216049	150401819	0	0	164594710	120241929	171760945	0	598236775	193573491	82518728	214728637	296099126	48136689	98612634	888320275		327744817
16.	Net LC Bill (Gross-Related)	256216049	150401819	0	0	164594710	120241929	171760945	0	598236775	193573491	82518728	214728637	296099126	48136689	98612634	888320275		327744817
17.	Rate of FC @ (Rs/KWH)	88.35	138.37	86.12	79.89	105.74	158.40	189.92	85.40	106.19	131.86	125.79	159.09	174.79		207.26	198.84		
ii																			
iii																			
		REPAYABLE Rs. 327744817																	
		NON-REPAYABLE Rs. 0																	
		Total Bill Rs. 327744817																	
		NET PAYABLE (Rs.)																	
		For & on behalf of NTPC Ltd.																	

ARVIND PATLE  
 ARVIND PATLE  
 Sr. Assistant (Accounts)  
 Sr. General Manager (Commt)  
 Technical Staff: NTPC Ltd.  
 WPS-110, Raipur





Mr. Avind Patel, DGM (Comm)  
0771-2591601

N T P C LIMITED  
WESTERN REGION HEADQUARTERS, MUMBAI- 400093  
DECEMBER 2019

REF: REA2019/11.0 DATED: 4-Dec-19  
BILL No: WR-19-20: CSPDCL DATE: 6-Dec-19

LC BILL RAISED IN THE MONTH OF

Sl. No.	Particulars	KGPS	KSTPS-3	ASTPS-3	ASTPS-2	ASTPS-1	ASTPS-4	ASTPS-5	KGPS	KGPS	JGPS	SIPAT-1	SIPAT-2	YSTPS	YSTPS	MST2	SLP	MISTPS-2	Lara	AMT (Rs)	
01.	Capacity Charges	8344974	7195837	0	0	6422526	5766425	7381947	0	0	0	27355214	12738715	3940966	76130910	159024034	19006035	89933544	456907942	159392711	
02.a.	Energy Charges	18881507	7117607	0	0	9121563	7093664	6523823	0	0	0	30515626	15475963	4636175	4583043	0	44875345	0	515428719	159422243	
02.b.	MOPA Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
03.	Incentive	672268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04.a.	ED&C on APC	1238035	475189	0	0	0	2487321	0	0	0	0	17385071	457212	185706	0	0	0	16479	1833666	5039731	
04.b.	ED&C on Sales	1649429	7551913	0	0	4092192	2487321	0	0	0	0	27439609	7212787	0	0	0	0	0	27340897	6481673	
05.	Total (Main Bill) Rs.	306719003	154854946	0	0	15611324	130254610	13433770	0	0	0	626334520	239398677	8927421	121989953	159024034	63981390	90096023	1018074024	3345591685	
05.	RE/AE/R Rsn - October-19	1099615	503861	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4684470	48447546	
06.	Compensation - CER/C order 05.05.17	0	0	0	0	0	0	159212	0	0	0	0	0	0	0	0	0	0	0	0	
07.	RLOC Chrg-October 2019	46532	17339	0	0	24261	15189	1582	0	0	0	72290	36370	10075	22697	41924	16030	17559	93467	3405989	
08.	EGR Rsn VST/AST/AG/ASP	0	0	0	0	15232685	7122026	1021059	0	0	0	0	0	6871388	12933284	0	0	0	0	0	43125
09.	FOCM/KSP/ASP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5228662	
10.	Cap Charges Rsn	(469242)	(520420)	0	0	(6192648)	(6119640)	(7539776)	0	0	0	(21926446)	(10900372)	(4048703)	(7617951)	(176327436)	(1803359)	(7381892)	(7352544)	(108663919)	
11.																					
12.																					
13.																					
14.																					
15.	LC Bill (Gross) Rs.	303167908	149855726	0	0	165181632	131277165	13862347	0	0	0	604680264	239374675	92460181	127334846	138467451	62093501	82814100	107596337	3334627234	
16.	Net LC Bill (Gross-Rebate)	303167908	149855726	0	0	165181632	131277165	13862347	0	0	0	604680264	239374675	92460181	127334846	138467451	62093501	82814100	107596337	3334627234	
i	Rate of FC @ (Rs/kWh)	68.40	136.02	85.32	69.87	104.27	155.06	187.29	83.71	105.62	130.04	123.48	166.71	148.08	171.58						
ii																					
iii																					
																			TOTAL PAYABLE for the month		
																			NET PAYABLE (Rs.)		
																			For & on behalf of NTPC Ltd.		

## Revised Fuel Cost Adjustment calculation for the 4th Bi-Monthly period of FY 19-20.

All Figures in Rs.

Name of Plant	Oct-19	Nov-19	Total
KTPS	408480	-2,457,228	-2,048,748
HTPS	72598438	22,741,650	95,340,088
DSPM TPS	53124660	83,789,073	136,913,733
KW Extn	49014557	18,751,438	67,765,995
MTTPS	144384360	80,340,734	224,725,094
<b>Total</b>	<b>319,530,495</b>	<b>203,165,667</b>	<b>522,696,162</b>

RUPEES FIFTY TWO CRORES TWENTY SIX LAKHS NINETY SIX THOUSAND ONE HUNDRED SIXTY TWO ONLY

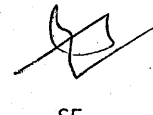
As per CSERC order the above amount of FCA shall be claimed as mentioned below:-

All Figures in Rs.

Month	KTPS	HTPS	DSPM TPS	KW Extn	MTTPS	Total
Feb-20	-1,024,374	47,670,044	68,456,867	33,882,997	112,362,547	261,348,088
Mar-20	-1,024,374	47,670,044	68,456,866	33,882,998	112,362,547	261,348,088
<b>Total</b>	<b>-2,048,748</b>	<b>95,340,088</b>	<b>136,913,733</b>	<b>67,765,995</b>	<b>224,725,094</b>	<b>522,696,162</b>

  
AE

  
EE

  
SE



CHHATTISGARH STATE POWER GENERATION COMPANY LIMITED

(A Govt. of C.G. Undertaking)

Office of the Chief Engineer (C&RA)

NO. 03-09/ Bills-15/ 876

Raipur Dtd.

31-Dec-2019

To,

3B-I  
App  
01.01.2020

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

C.E. (R.A.&P.M.) CSPDCL, Raipur	
Letter Receipt	
No.	6682
Date	01.01.2020

**Sub: Fuel Cost Adjustment calculation for the 4th Bi-Monthly period of FY 2019-20.**

**Ref:** 1) CSERC MYT Regulations 2015.  
2) CSERC tariff order dtd. 31/03/2017

In compliance to the CSERC order referred above, please find enclosed FCA Calculation amounting to Rs. **489,149,658** /- for the 4th Bi-Monthly period of FY 2019-20 (Oct-19 & Nov-19). As per CSERC order the above FCA amount shall be claimed in two installments w.e.f. **Feb-20**

*P. K. S.*  
Chief Engineer (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. (Fin) CSPGCL, Raipur
- 3 The E.D. (O&M:Gen) 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/cspgc](http://cspc.co.in/cspgc)) under the link Fuel Cost Adjustment-4th Bi Monthly of FY 2019-20 Oct-2019 to Nov-2019
- 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

*01/01*

*EE-2*  
*8*  
*3-1-20*

## Revised FORMAT-I

## Details/Information for Computation of Energy Charge Rates

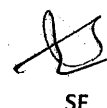
Name of the Company : Chhattisgarh State Power Generation Company Limited

Name of the Power Station : Korba (East) Thermal Power Station - KTPS

	Description	Unit	Considered in Tariff order	For Month of Oct-19	For Month of Nov-19	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.118596100	0.117307050	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.118596100	0.117307050	
d	Normative Transit & Handling Losses	%	1.15%	1.15%	1.15%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.001363855	0.001349031	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.117232245	0.115958019	
g	Amount charged by the Coal / Lignite Company	(Rs.)		198,672,860.44	196,513,436.72	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)			1,466,837.87	
i	Net amount Charged by Coal Company (g+h)	( Rs.)		198,672,860.44	197,980,274.59	
j	Rate of Coal for the period Charged by Coal Company $= (i / (f * 10^6))$	Rs/MT		1694.69	1707.34	
k	Rate of Bonus payable to Coal Company	Rs/MT				
l	Net Rate of coal payable to coal compnay (j+k)	Rs/MT		1694.69	1707.34	
m	Transportation Charge per Ton	Rs/MT	177.98	177.98	177.98	
n	Landed Price of Coal per MT (l+m)	Rs./MT	1,641.03	1872.67	1885.32	
o	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,080.85	3,503	3,584.00	
p	Normative SHR	Kcal/ KWh	3,110	3,110	3,110	
q	Normative Specific Oil Consumption	ml/ KWh	2.00	2.00	2.00	
r	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
s	Normative Auxiliary Consumption	%	11.25	11.25	11.25	
t	ECR for the Period= $((p - (q * r)) / (o)) * (n / 1000) / (1 - s)$	Rs/ KWh		1.861	1.832	
u	ECR as considered in Tariff order	Rs/ KWh	1.855	1.855	1.855	
v	Change in ECR (t-u)	Rs/ KWh		0.006	-0.023	
w	Scheduled Generation during the Period	KWh		68,080,000	106,836,000	
aa	FCA Claim for the Period (vXw)	Rs		408,480	-2,457,228	-2,048,748


  
AE


  
EE


  
SE


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 Oct-19	For Month of Nov-19	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.202541	0.328970	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.202541	0.328970	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000405082	0.000657940	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.202135918	0.328312060	
g	Amount charged by the Coal / Lignite Company	(Rs.)		61309487.20	586844056.28	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		17769946.09	18304999.65	
i	Net amount Charged by Coal Company (g+h)	(Rs.)		379069433.29	568539056.63	
j	Rate of Coal for the period Charged by Coal Company = $(i/(f*10^6))$	Rs/MT		1875.32	1731.70	
k	Rate of Bonus payable to Coal Company	Rs/MT				
l	Net Rate of coal payable to coal compnay (j+k)	Rs/MT	1,609.77	1875.32	1731.70	
m	Transportation Charge per Ton	Rs/MT	80.75	80.75	80.75	
n	Landed Price of Coal per MT (l+m)	Rs./MT	1,690.52	1,956.07	1,812.45	
o	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,406.33	3,476	3,480	
p	Normative SHR	Kcal/ KWh	2,650.00	2,650	2,650	
q	Normative Specific Oil Consumption	ml/ KWh	0.80	0.80	0.80	
r	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
s	Normative Auxiliary Consumption	%	9.70	9.70	9.70	
t	ECR for the Period= $((p-(qxr))/(0)*(n/1000)/(1-s))$	Rs/ KWh		1.646	1.524	
u	ECR as considered in Tariff order	Rs/ KWh	1.452	1.452	1.452	
v	Change in ECR (t-u)	Rs/ KWh		0.194	0.072	
w	Scheduled Generation during the Period	KWh		374,218,750	315,856,250	
x	FCA Claim for the Period (vXw)	Rs		72598438	22741650	95,340,08

  
AE

  
EE

  
SE

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 Oct-19	For Month of Nov-19	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)		0.099759	0.162030	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.099759	0.162030	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000199518	0.000324060	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.099559482	0.161705940	
g	Amount charged by the Coal / Lignite Company	(Rs.)		177,958,404.16	289,042,594.92	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		8747436.21	-9015895.35	
i	Net amount Charged by Coal Company (g+h)	(Rs.)		186705840.37	280026699.57	
j	Rate of Coal for the period Charged by Coal Company = (i/(f*10 <sup>6</sup> ))	Rs/MT		1875.32	1731.70	
k	Rate of Bonus payable to Coal Company	Rs/MT				
l	Net Rate of coal payable to coal compnay (j+k)	Rs/MT	1,609.77	1875.32	1731.70	
m	Transportation Charge per Ton	Rs/MT	80.75	80.75	80.75	
n	Landed Price of Coal per MT (l+m)	Rs./MT	1,690.52	1,956.07	1,812.45	
o	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,400.59	3,477	3,476	
p	Normative SHR	Kcal/ KWh	2,375	2,375	2,375	
q	Normative Specific Oil Consumption	ml/ KWh	0.50	0.50	0.50	
r	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
s	Normative Auxiliary Consumption	%	5.25	5.25	5.25	
t	ECR for the Period= ((p-(qxr))/(0)*(n/1000))/(1-s)	Rs/ KWh		1.407	1.304	
u	ECR as considered in Tariff order	Rs/ KWh	1.243	1.243	1.243	
v	Change in ECR (t-u)	Rs/ KWh		0.164	0.061	
w	Scheduled Generation during the Period	KWh		298,869,250	307,400,620	
x	FCA Claim for the Period (vXw)	Rs		49,014,557	18,751,438	67,765,995

*[Signature]*  
AE

*[Signature]*  
EE

*[Signature]*  
SE

FORMAT-I

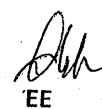
Details/Information for Computation of Energy Charge Rates

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 Oct-19	For Month of Nov-19	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite	(MMT)		0.13606823	0.18457635	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)				
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.13606823	0.18457635	
d	Normative Transit & Handling Losses	%	0.20%	0.20%	0.20%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.000272136	0.000369153	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.135796094	0.184207197	
g	Amount charged by the Coal / Lignite Company	(Rs.)		250057085.65	362913728.45	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		996,120.15	-10,513,838.50	
i	Net amount Charged by Coal Company (g+h)	(Rs.)		251,053,205.80	352,399,889.95	
j	Rate of Coal for the period Charged by Coal Company = (i/(fX10^6))	Rs/MT		1848.75	1913.06	
k	Rate of Bonus payable to Coal Company	Rs/MT				
l	Net Rate of coal payable to coal compnay (j+k)	Rs/MT		1848.75	1913.06	
m	Transportation Cost Paid to railways	Rs		32896720.02	50712690.50	
n	Transportation Charge rate paid to Railways (m/(fX10^6))	Rs/MT		242.25	275.30	
o	Other Charges (per Ton) towards transportation	Rs/MT				
p	Total per ton Transportation Charges (n+o)			242.25	275.30	
q	Landed Price of Coal per MT ((l+p)	Rs./MT	1,921.22	2091.00	2188.36	
r	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,449.20	3289.03	3273.96	
s	Normative SHR	Kcal/ KWh	2,500	2,500	2,500	
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		1.743	1.833	
x	ECR as considered in Tariff order	Rs/ KWh	1.527	1.527	1.527	
y	Change in ECR (w-x)	Rs/ KWh		0.216	0.306	
z	Scheduled Generation during the Period	Kwh		245,947,500	273,820,500	
aa	FCA Claim for the Period (yX z)	Rs		53,124,660	83,789,073	136,913,733

  
AE

  
EE

  
SE

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 - MTTP

	Month	Unit	Considered in Tariff order	For Month of Oct-19	For Month of Nov-19	Total for period
a	Quantity of Coal / Lignite supplied by Coal/Lignite Company	(MMT)	-	0.211301870	0.22763407	
b	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	-			
c	Coal supplied by Coal/Lignite Company (a+b)	(MMT)		0.21130187	0.22763407	
d	Normative Transit & Handling Losses	%	0.80%	0.80%	0.80%	
e	Normative Transit & Handling Losses (cXd)	(MMT)		0.001690415	0.001821073	
f	Net coal / Lignite Supplied (c-e)	(MMT)		0.209611455	0.225812997	
g	Amount charged by the Coal / Lignite Company	(Rs.)		479816656.07	418480191.24	
h	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)		26,181,912.87	-3,809,189.84	
	Net amount Charged by Coal Company (g+h)	(Rs.)		505998568.94	414671001.40	
j	Rate of Coal for the period Charged by Coal Company = (i/(fX10^6))	Rs/MT		2413.98	1836.35	
k	Rate of Bonus payable to Coal Company	Rs/MT				
l	Net Rate of coal payable to coal compnay (j+k)	Rs/MT		2413.98	1836.35	
m	Transportation Cost Paid to railways	Rs		50066331.00	84876463.00	
n	Transportation Charge rate paid to Railways (m/(fX10^6))	Rs/MT		238.85	375.87	
o	Other Charges (per Ton) towards transportation	Rs/MT				
p	Total per ton Transportation Charges (n+o)			238.85	375.87	
q	Landed Price of Coal per MT ((l+p)	Rs./MT	1,535	2,652.83	2,212.22	
r	Average GCV of coal / Lignite as fired	(kCal/Kg)	3,280.29	3,555	3,252.00	
s	Normative SHR	Kcal/ KWh	2,378	2,378	2,378	
t	Normative Specific Oil Consumption	ml/ KWh	0.50	0.50	0.50	
u	GCV of Secondary Fuel (Oil)	Kcal/ml	10	10	10	
v	Normative Auxiliary Consumption	%	5.25	5.25	5.25	
w	ECR for the Period= ((s-(txu))/(r)*(q/1000))/(1-v)	Rs/ KWh		1.869	1.704	
x	ECR as considered in Tariff order	Rs/ KWh	1.373	1.373	1.373	
y	Change in ECR (w-x)	Rs/ KWh		0.496	0.331	
z	Scheduled Generation during the Period	Kwh		291,097,500	242,721,250	
aa	FCA Claim for the Period (yX z)	Rs		144,384,360	80,340,734	224,725,094

*James*

AE

*EE*

*SE*

SE