

Computation of VCA Charges (4th bi-monthly period 2017-18)

(A) CHFC :-

	KTPS	HTPS	DSPM TPS	K(W)Extn.	Total Amt. In Rs
Oct17	-28481357	-11868159	-81575201	-9456455	-131381172
Nov17	-20656498	-5766095	-65989869	-10140055	-102552517
Total	-49137855	-17634254	-147565070	-19596510	-233933689

(B) CHPP :-

Total units purchased from NTPC and NSPCL	=	1162959480 KWh
Amount paid against units purchased	=	Rs .3530674527.00
Rate per unit(I)	=	Rs. 3.04 /KWh
Average rate approved by CSERC for purchase of power from Central generating stations (II)	=	Rs. 3.71 /KWh
Difference in rate (I-II)	=	Rs. (-)0.67/KWh
CHPP (in Rs.)	=	Rs.(-)779182852.00

(C) Gross VCA (A+B) in Rs. = Rs.(-)1013116541.00

(D) Total quantum of power purchased during the period = 5029843761 Kwh

(E) Quantum of power purchased for sale to retail consumers of the State = 4059836752 KWh

(F) Allowable VCA (in Rs.)[C*(E/D)] = Rs.(-)817736685.00

(G) Normative transmission & distribution losses as specified in Taiff order = 21.11%

(H) Allowable VCA Charges(Rs./Kwh) (F/E*(1-G)) = **Rs.(-)0.26/KWh**

(G) VCA Charge to be deducted from monthly energy bills of various categories of consumers:

- | | | |
|----------------------------------|---|----------------------|
| 1) DLF consumers up to 40 units | - | Rs.(-) 0.26 per unit |
| 2) DLF consumers 41 to 200 units | - | Rs.(-) 0.26 per unit |
| 3) DLF Consumers above 200 units | - | Rs. (-)0.26 per unit |
| 4) Agriculture Consumers | - | Rs. (-)0.26 per unit |
| 5) Rest all categories | - | Rs.(-)0.26 per unit |

To be deducted from energy bill for the consumption in the months of Jan'18 and Feb'18 payable in the months of Feb'18 and Mar'18

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Computation of CHPP

1	Scheduled energy purchased from CGs during fourth bi-monthly period	MU	1162969480	
2	Amount paid against units purchased	Rs.	3530674527	
	Average rate of power purchase	Rs/Kwh	3.04	
3	Average rate of Power Purchase as per Tariff Order	Rs/Kwh	3.71	
4	Difference in the average rate of PP	Rs/Kwh	-0.67	
5	CHPP(Change in the cost of power purchased from CGs)	Rs.	-779182852	

Computation of VCA

Sno.	Particulars			
1	CHFC		Rs	-233933689
2	CHPP		Rs	-779182852
3	Gross VCA(sub total in Rs.)	CHFC+CHPP	Rs	-1013116541
4	Allowable VCA(in Rs.)	Gross VCA(in Rs.) $\times \frac{Q_{RS}}{Q_{CHPP}}$	Rs	-817736685
5	Allowable VCA(in Rs/Kwh)	Allowable VCA(in Rs.)/[Qrs*(1-L)]	Rs/Kwh	-0.26

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Computation of Qpp and Qrs

No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	Q_1	2951726930	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations	Q_2	36288594	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations	Q_3	3319083	KwH
4	Quantum of scheduled power purchased from CGs	Q_4	1378852056	KwH
5	PGCIL actual losses for the bi-monthly period	L1	3.69%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L1)$	1327972416	KwH
7	Quantum of actual power purchased from Renewable energy Sources	Q_6	174683779	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	Q_8	16009553	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery	$Q_9=Q_8(1-L1)$	15418800	KwH
11	Quantum of power purchased from other Sources(if any)	Q_{10}	520434158.4	KwH
12	Total Quantum of power purchased	$Q_{PP}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	5029843761	KwH
13	Normative transmission and distribution losses as specified inth Tariff order	L	21.11%	
14	Quantum of power scheduled for interstate sale	Q_{PT}	970007009	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{PP}-Q_{PT}$	4059836752	KwH

M Singh