

Computation of VCA Charges (3rd bi-monthly period 2017-18)

(A) CHFC :-

	KTPS	HTPS	DSPM TPS	K(W)Extn.	Total Amt. In Rs
Aug17	-8686316	338515	53166984	-1550641	43268542
Sep17	-15373675	61039322	-48469651	-6272741	-9076745
Total	-24059991	61377837	4697333	-7823382	34191797

(B) CHPP :-

Total units purchased from NTPC and NSPCL = 1636573028 KWh
Amount paid against units purchased = Rs.3947894412.00
Rate per unit(I) = Rs. 2.41 /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. (-)1.30/KWh

CHPP (in Rs.) = Rs.(-)2127544936.00

(C) Gross VCA (A+B) in Rs. = Rs.(-)2093353139.00

(D) Total quantum of power purchased during the period = 5536773754 Kwh

(E) Quantum of power purchased for sale to retail consumers
of the State = 4768131944 KWh

(F) Allowable VCA (in Rs.)(C*(E/D)) = Rs.(-)1802743695.00

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

(H) Allowable VCA Charges(Rs./Kwh) (F/E*(1-G)) = **Rs.(-)0.48/KWh**

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

- 1) DLF consumers up to 40 units - Rs.(-) 0.48 per unit
- 2) DLF consumers 41 to 200 units - Rs.(-) 0.48 per unit
- 3) DLF Consumers above 200 units - Rs. (-)0.48 per unit
- 4) Agriculture Consumers - Rs. (-)0.48 per unit
- 5) Rest all categories - Rs.(-)0.48 per unit

To be deducted from energy bill for the consumption in the months of Nov'17 and Dec'17 payable in the months of Dec'17 and Jan'18

M. Singh

Computation of Qpp and Qrs

S No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	Q_1	3008530320	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations	Q_2	107114527	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations	Q_3	10007375	KwH
4	Quantum of scheduled power purchased from CGs	Q_4	1848327954	KwH
5	PGCIL actual losses for the bi-monthly period	L1	3.61%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L1)$	1781603315	KwH
7	Quantum of actual power purchased from Renewable energy Sources	Q_6	185845523	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	101010018	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery	$Q_9=Q_8(1-L1)$	97363556	KwH
11	Quantum of power purchased from other Sources(if any)	Q_{10}	346309138	KwH
12	Total Quantum of power purchased	$Q_{pp}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	5536773754	KwH
13	Normative transmission and distribution losses as specified in th Tariff order	L	21.11%	
14	Quantum of power scheduled for interstate sale	Q_{PT}	768641810	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{pp}-Q_{PT}$	4768131944	KwH

W Singh

Computation of CHPP

1	Scheduled energy purchased from CGs during third bi-monthly period	MU	1636573028	
2	Amount paid against units purchased	Rs.	3947894412	
	Average rate of power purchase	Rs/Kwh	2.41	
3	Average rate of Power Purchase as per Tariff Order	Rs/Kwh	3.71	
4	Difference in the average rate of PP	Rs/Kwh	-1.3	
5	CHPP(Change in the cost of power purchased from CGs)	Rs.	-2127544936	

Computation of VCA

Sno.	Particulars			
1	CHFC		Rs	34191797
2	CHPP		Rs	-2127544936
3	Gross VCA(sub total in Rs.)	CHFC+CHPP	Rs	-2093353139
4	Allowable VCA(in Rs.)	Gross VCA(in Rs.) $\times \frac{Q_{rs}}{Q_{pp}}$	Rs	-1802743695
5	Allowable VCA(in Rs/Kwh)	Allowable VCA(in Rs.)/[Qrs*(1-L)]	Rs/Kwh	-0.48

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