

Computation of VCA Charges (5th bi-monthly period 2017-18)

(A) CHFC :-

	KTPS	HTPS	DSPM TPS	K(W)Extn.	Total Amt. In Rs
Dec17	-22624899	60103042	-69782297	46054990	13750836
Jan18	-2214782	8978463	-18088589	3562878	-7762030
Total	-24839682	69081505	-87870886	49617868	5988806

(B) CHPP :-

Total units purchased from NTPC and NSPCL	=	1248729084 KWh
Amount paid against units purchased	=	Rs .3623332508.00
Rate per unit(I)	=	Rs. 2.9 /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. (-)0.81/KWh
CHPP (in Rs.)	=	Rs.(-)1011470558.00

(C) Gross VCA (A+B) in Rs. = Rs.(-)1005481752.00

(D) Total quantum of power purchased during the period = 5370388094 Kwh

(E) Quantum of power purchased for sale to retail consumers of the State = 3995782705 KWh

(F) Allowable VCA (in Rs.)[C*(E/D)] = Rs.(-)748118483.00

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

(H) Allowable VCA Charges(Rs./Kwh) (F/E*(1-G)) = **Rs.(-)0.24/KWh**

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

- 1) DLF consumers up to 40 units - Rs.(-) 0.24 per unit
- 2) DLF consumers 41 to 200 units - Rs.(-) 0.24 per unit
- 3) DLF Consumers above 200 units - Rs. (-)0.24 per unit
- 4) Agriculture Consumers - Rs. (-)0.24 per unit
- 5) Rest all categories - Rs.(-)0.24 per unit

To be deducted from energy bill for the consumption in the months of Mar18 and Apr'18 payable in the months of Apr'18 and May'18

M Singh

Computation of CHPP

1	Scheduled energy purchased from CGs during fifth bi-monthly period	MU	1248729084	
2	Amount paid against units purchased	Rs.	3623332508	
	Average rate of power purchase	Rs/Kwh	2.9	
3	Average rate of Power Purchase as per Tariff Order	Rs/Kwh	3.71	
4	Difference in the average rate of PP	Rs/Kwh	-0.81	
5	CHPP(Change in the cost of power purchased from CGs)	Rs.	-1011470558	

Computation of VCA

Sno.	Particulars			
1	CHFC		Rs	5988806
2	CHPP		Rs	-1011470558
3	Gross VCA(sub total in Rs.)	CHFC+CHPP	Rs	-1005481752
4	Allowable VCA(in Rs.)	Gross VCA(in Rs.) $\times \frac{Q_{rs}}{Q_{pp}}$	Rs	-748118483
5	Allowable VCA(in Rs/Kwh)	Allowable VCA(in Rs.)/[Qrs*(1-L)]	Rs/Kwh	-0.24

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Computation of Q_{pp} and Q_{rs}

S No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	Q ₁	3510064640	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations	Q ₂	9831784	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations	Q ₃	4827615	KwH
4	Quantum of scheduled power purchased from CGs	Q ₄	1605543105	KwH
5	PGCIL actual losses for the bi-monthly period	L1	3.15%	
6	Quantum of scheduled power purchased from CGs at state periphery	Q ₅ =Q ₄ (1-L1)	1554968497	KwH
7	Quantum of actual power purchased from Renewable energy Sources	Q ₆	199380878	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	16145851	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery	Q ₉ =Q ₈ (1-L1)	15637257	KwH
11	Quantum of power purchased from other Sources(if any)	Q ₁₀	75677423	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	5370388094	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}	1374605389	KwH
15	Quantum of power purchased for sale to retail consumers of the State	Q _{RS} =Q _{pp} -Q _{PT}	3995782705	KwH

M. Singh