

Computation of VCA Charges (2nd bi-monthly period 2017-18)

(A) CHFC :-

	KTPS	HTPS	DSPM TPS	K(W)Extn.	Total Amt. In Rs
Jun17	16812640	-34154293	-53994921	-25591013	-96927586
Jul17	-6741860	-48817779	-118045725	-27956249	-201561613
Total	10070780	-82972072	-172040646	-53547262	-298489199

(B) CHPP :-

Total units purchased from NTPC and NSPCL = 1262957092 KWh

Amount paid against units purchased = Rs. 2707736110.00

Rate per unit(I) = Rs. 2.14 /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. (-)1.57/KWh

CHPP (in Rs.) = Rs.(-)1982842634.00

(C) Gross VCA (A+B) in Rs. = Rs.(-)2281331833.00

(D) Total quantum of power purchased during the period = 4989818125 Kwh

(E) Quantum of power purchased for sale to retail consumers of the State = 4005650563 KWh

(F) Allowable VCA (in Rs.)[C*(E/D)] = Rs.(-)1831372991.00

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

(H) Allowable VCA Charges(Rs./Kwh) (F/E*(1-G)) = Rs.(-)0.58/KWh

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

1) DLF consumers up to 40 units - Rs.(-) 0.58 per unit

2) DLF consumers 41 to 200 units - Rs.(-) 0.58 per unit

3) DLF Consumers above 200 units - Rs. (-)0.58 per unit

4) Agriculture Consumers - Rs. (-)0.58 per unit

5) Rest all categories - Rs.(-)0.58 per unit

To be deducted from energy bill for the consumption in the months of Sep'17 and Oct'17 payable in the months of Oct'17 and Nov'17.

M Singh

Computation of CHPP

1	Scheduled energy purchased from CGs during second bi-monthly period	MU	1262957092
2	Amount paid against units purchased	Rs.	2707736110
	Average rate of power purchase	Rs/Kwh	2.14
3	Average rate of Power Purchase as per Tariff Order	Rs/Kwh	3.71
4	Difference in the average rate of PP	Rs/Kwh	-1.57
5	CHPP(Change in the cost of power purchased from CGs)	Rs.	-1982842634

Computation of VCA

Sno.	Particulars		
1	CHFC	Rs	-298489199
2	CHPP	Rs	-1982842634
3	Gross VCA(sub total in Rs.)	CHFC+CHPP	-2281331834
4	Allowable VCA(in Rs.)	Gross VCA(in Rs.)xQ _{RS} /Q _{pp}	-1831372991
5	Allowable VCA(in Rs/Kwh)	Allowable VCA(in Rs.)/[Qrs*(1-L)]	Rs/Kwh -0.58

W.S. Singh

Computation of Qpp and Qrs

	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	Q_1	3231800050	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations	Q_2	28555475	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations	Q_3	1971376	KwH
4	Quantum of scheduled power purchased from CGs	Q_4	1505925688	KwH
5	PGCIL actual losses for the bi-monthly period	L1	3.82%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5=Q_4(1-L1)$	1448399327	KwH
7	Quantum of actual power purchased from Renewable energy Sources	Q_6	153769212	KwH
8	Quantum of actual short term and long term power purchased from State IPPs and CGPs	Q_7	39474000	KwH
9	Quantum of scheduled short term purchased through inter-state route	Q_8	28031100	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery	$Q_9=Q_8(1-L1)$	26960312	KwH
11	Quantum of power purchased from other Sources(if any)	Q_{10}	58888373	KwH
12	Total Quantum of power purchased	$Q_{pp}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$	4989818125	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}	984167562	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS}=Q_{pp}-Q_{pT}$	4005650563	KwH

MSingh