

Computation of VCA Charges (1st bi-monthly period 2017-18)

(A) CHFC :-

	KTPS	HTPS	DSPM TPS	K(W)Extn.	MTPP	Total Amt. In Rs
Apr17	39894381	-52821085	-39923557	-35007930	89236574	1378383
May17	72989312	-63954299	-62495712	-42262110	110645460	14922651
Total	112883693	-116775384	-102419269	-77270040	199882034	16301034

(B) CHPP :-

Total units purchased from NTPC and NSPCL	=	1178673813 KWh
Amount paid against units purchased	=	Rs. 3601351695.00
Rate per unit(I)	=	Rs. 3.06 /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. (-)0.65/KWh
CHPP (in Rs.)	=	Rs.(-)766137978.00

(C) Gross VCA (A+B) in Rs. = Rs.(-)749836944.00

(D) Total quantum of power purchased during the period = 5262057375 Kwh

(E) Quantum of power purchased for sale to retail consumers of the State = 4768792934 KWh

(F) Allowable VCA (in Rs.)(C*(E/D)) = Rs.(-)679547346.00

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

(H) Allowable VCA Charges(Rs./Kwh) (F/E*(1-G)) = **Rs.(-)0.18/KWh**

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

- 1) DLF consumers up to 40 units - Rs.(-) 0.18 per unit
- 2) DLF consumers 41 to 200 units - Rs.(-) 0.18 per unit
- 3) DLF Consumers above 200 units - Rs. (-)0.18per unit
- 4) Agriculture Consumers - Rs. (-)0.18 per unit
- 5) Rest of all categories - Rs.(-)0.18 per unit

To be deducted from energy bill for the consumption in the months of Jul'17 and Aug'17 payable in the months of Aug'17 and Sept'17

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Computation of CHPP

1	Scheduled energy purchased from CGs during first bi-monthly period	MU	1178673813
2	Amount paid against units purchased	Rs.	3601351695
	Average rate of power purchase	Rs/Kwh	3.06
3	Average rate of Power Purchase as per Tariff Order	Rs/Kwh	3.71
4	Difference in the average rate of PP	Rs/Kwh	-0.65
5	CHPP(Change in the cost of power purchased from CGs)	Rs.	-766137978

Computation of VCA

Sno.	Particulars		
1	CHFC	Rs	16301034
2	CHPP	Rs	-766137978
3	Gross VCA(sub total in Rs.)	CHFC+CHPP	Rs
4	Allowable VCA(in Rs.)	Gross VCA(in Rs.) $\times Q_{rs}/Q_{pp}$	Rs
5	Allowable VCA(in Rs/Kwh)	Allowable VCA(in Rs.)/[Qrs*(1-L)]	Rs/Kwh
			-0.18

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Computation of Qpp and Qrs

No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	Q_1	3181049630	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations	Q_2	26665932	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations	Q_3	5898081	KwH
4	Quantum of scheduled power purchased from CGs	Q_4	1478989370	KwH
5	PGCIL actual losses for the bi-monthly period	L1	3.89%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5 = Q_4(1-L1)$	1421456684	KwH
7	Quantum of actual power purchased from Renewable energy Sources	Q_6	182861012	KwH
8	Quantum of actual short term and long term power purchased from State IPPs and CGPs	Q_7	56029750	KwH
9	Quantum of scheduled short term purchased through inter-state route	Q_8	54448625	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery	$Q_9 = Q_8(1-L1)$	52330573	KwH
11	Quantum of power purchased from other Sources(if any)	Q_{10}	335765713	KwH
12	Total Quantum of power purchased	$Q_{pp} = Q_1 + Q_2 + Q_3 + Q_5 + Q_6 + Q_7 + Q_9 + Q_{10}$	5262057375	KwH
13	Normative transmission and distribution losses as specified in the Tariff order	L	21.11%	
14	Quantum of power scheduled for interstate sale	Q_{PT}	493264441	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS} = Q_{pp} - Q_{PT}$	4768792934	KwH

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