

Computation of VCA Charges (5th bi-monthly period 2016-17)

(A) CHFC :-

	KTPS	HTPS	DSPM TPS	K(W)Extn.	MTPP	Total Amt. In Rs
Dec16	41814764	265933620	176953872	186636159	242183315	913521730
Jan17	87631355	173626995	97801048	108379457	259723073	727161928
Total	129446119	439560615	274754920	295015616	501906388	1640683658

(B) CHPP :-

Total units purchased from NTPC and NSPCL	=	977052260 KWh
Amount paid against units purchased	=	Rs . 3201301498.00
Rate per unit(I)	=	Rs. 3.28 /KWh
Average rate approved by CSERC for purchase of power from Central generating stations (II)	=	Rs. 2.92 /KWh
Difference in rate (I-II)	=	Rs. 0.36/KWh
CHPP (in Rs.)	=	Rs.351738814.00

(C) Gross VCA (A+B) in Rs. = Rs.1992422472

(D) Total quantum of power purchased during the period = 4714812056 Kwh

Quantum of power purchased for sale to retail consumers
(E) of the State = 3815694230 KWh

(F) Allowable VCA (in Rs.)(C*(E/D)) = Rs.1612466168

Normative transmission & distribution losses as specified in
(G) Taiff order = 17.20%

(H) Allowable VCA Charges(Rs./Kwh) (F/E*(1-G)) = **Rs.0.51/KWh**

(G) VCA Charge recoverable from various categories of consumers:

(I) 1) DLF consumers up to 40 units	-	Rs. 0.18 per unit	} To be reimbursed by Govt. of CG
2) DLF consumers 41 to 200 units	-	Rs. 0.19 per unit	
3) DLF Consumers above 200 units	-	Rs. 0.51per unit	
4) Beneficiaries of 'KJY' up to limit of free electricity	-	Rs.0.51 per unit	
5) Rest of all categories		-Rs.0.51 per unit	

To be recovered for the consumption in the months of Mar'17 payable in the month of Apr'17

- (II)
- | | | |
|--|---|--|
| 1) DLF consumers up to 40 units | - | Rs. 0.18 per unit |
| 2) DLF consumers 41 to 200 units | - | Rs. 0.19 per unit |
| 3) DLF Consumers above 200 units | - | Rs. 0.51per unit |
| 4) Beneficiaries of 'KJJY' up to limit of free electricity | - | Rs.0.51 per unit (To be reimbursed by Govt. of CG) |
| 5) Rest of all categories | - | Rs.0.51 per unit |

To be recovered for the consumption in the month of Apr'17 payable in the month of May'17

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Computation of CHPP

1	Scheduled energy purchased from CGs during fifth bi-monthly period	MU	977052260
2	Amount paid against units purchased	Rs.	3201301498
	Average rate of power purchase	Rs/Kwh	3.28
3	Average rate of Power Purchase as per Tariff Order	Rs/Kwh	2.92
4	Difference in the average rate of PP	Rs/Kwh	0.36
5	CHPP(Change in the cost of power purchased from CGs)	Rs.	351738814

Computation of VCA

Sno.	Particulars		
1	CHFC	Rs	1640683658
2	CHPP	Rs	351738814
3	Gross VCA(sub total in Rs.)	Rs	1992422472
4	Allowable VCA(in Rs.)	Rs	1612466168
5	Allowable VCA(in Rs/Kwh)	Rs/Kwh	0.51

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Computation of Qpp and Qrs

No.	Particulars			
1	Quantum of actual power purchased from CSPGCL thermal Power stations	Q_1	3090782200	KwH
2	Quantum of actual power purchased from CSPGCL hydro Power stations	Q_2	4383308	KwH
3	Quantum of actual power purchased from CSPGCL Renewable Power stations	Q_3	3714554	KwH
4	Quantum of scheduled power purchased from CGs	Q_4	1337267967	KwH
5	PGCIL actual losses for the bi-monthly period	L_1	3.42%	
6	Quantum of scheduled power purchased from CGs at state periphery	$Q_5 = Q_4(1-L_1)$	1291533402	KwH
7	Quantum of actual power purchased from Renewable energy Sources	Q_6	260917965	KwH
8	Quantum of actual short term and long term power purchased from State IPPs and CGPs	Q_7	57256000	KwH
9	Quantum of scheduled short term purchased through inter-state route	Q_8	3138428	KwH
10	Quantum of scheduled short term purchased through inter-state route at the State periphery	$Q_9 = Q_8(1-L_1)$	3031094	KwH
11	Quantum of power purchased from other Sources(if any)	Q_{10}	3193533	KwH
12	Total Quantum of power purchased	$Q_{PP} = Q_1 + Q_2 + Q_3 + Q_5 + Q_6 + Q_7 + Q_9 + Q_{10}$	4714812056	KwH
13	Normative transmission and distribution losses as specified in the Tariff order	L	17.20%	
14	Quantum of power scheduled for interstate sale	Q_{PT}	899117826	KwH
15	Quantum of power purchased for sale to retail consumers of the State	$Q_{RS} = Q_{PP} - Q_{PT}$	3815694230	KwH

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