

Computation of VCA Charges (4th bi-monthly period 2016-17)

(A) CHFC :-

| | KTPS | HTPS | DSPM TPS | K(W)Extn. | MTPP | Total Amt. In Rs |
|--------------|------------------|------------------|------------------|------------------|------------------|---------------------|
| Oct16 | 143708808 | 145370924 | 102985875 | 84893820 | 373508822 | 850468249 |
| Nov16 | 60860246 | 131717762 | 100492700 | 84861141 | 219726005 | 597257854 |
| Total | 204569054 | 277088686 | 203478575 | 169354961 | 593234827 | 1447726103 |

(B) CHPP :-

| | | |
|--|---|-------------------|
| Total units purchased from NTPC and NSPCL | = | 697274470 KWh |
| Amount paid against units purchased | = | Rs. 2532410014.00 |
| Rate per unit(I) | = | Rs. 3.63 /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. 0.71/KWh |
| CHPP (in Rs.) | = | Rs.495064874.00 |

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

= Rs.1942790977

(D) Total quantum of power purchased during the period

= 4655411655 Kwh

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

= 3681088569 KWh

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

= Rs.1536187600

(G) Normative transmission & distribution losses as specified in Tariff order

= 17.20%

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

= **Rs.0.50/KWh**

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

| | | | | |
|---|---|-------------------|---|------------------------------------|
| 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. 0.50 per unit | | |
| 4) Beneficiaries of 'KJY' up to limit of free electricity | | -Rs.0.50 per unit | | |
| 5) Rest of all categories | | -Rs.0.50 per unit | | |

To be recovered for the consumption in the months of Jan'17 and Feb'17 payable in the months of Feb'17 and Mar'17

M. Singh

Computation of CHPP

| | | | |
|---|---|--------|------------|
| 1 | Scheduled energy purchased from CGs during fourth bi-monthly period | MIU | 697274470 |
| 2 | Amount paid against units purchased | Rs. | 2532410014 |
| 3 | Average rate of Power Purchase as per Tariff Order | Rs/Kwh | 3.63 |
| 4 | Difference in the average rate of PP | Rs/Kwh | 2.92 |
| 5 | CHPP(Change in the cost of power purchased from CGs) | Rs. | 0.71 |
| | | | 495064874 |

Computation of VCA

| | | | | |
|------|-----------------------------|---|--|--------|
| Sno. | Particulars | | | |
| 1 | CHFC | | | |
| 2 | CHPP | | | Rs |
| 3 | Gross VCA(sub total in Rs.) | CHFC+CHPP | | Rs |
| 4 | Allowable VCA(in Rs.) | Gross VCA(in Rs.) $\times \frac{Q_{Rs}/Q_{pp}}$ | | Rs |
| 5 | Allowable VCA(in Rs/Kwh) | Allowable VCA(in Rs.)/[Qrs*(1-L)] | | Rs/Kwh |
| | | | | 0.50 |

W. Srinivas

Computation of Qpp and Qrs

| S No. | Particulars | | | |
|-------|--|---|------------|-----|
| 1 | Quantum of actual power purchased from CSPGCL thermal Power stations | Q_1 | 2921268520 | KwH |
| 2 | Quantum of actual power purchased from CSPGCL hydro Power stations | Q_2 | 41392364 | KwH |
| 3 | Quantum of actual power purchased from CSPGCL Renewable Power stations | Q_3 | 7901565 | KwH |
| 4 | Quantum of scheduled power purchased from CGs | Q_4 | 819995716 | KwH |
| 5 | PGCIL actual losses for the bi-monthly period | L1 | 3.37% | |
| 6 | Quantum of scheduled power purchased from CGs at state periphery | $Q_5=Q_4(1-L1)$ | 792361860 | KwH |
| 7 | Quantum of actual power purchased from Renewable energy Sources | Q_6 | 175534018 | KwH |
| 8 | Quantum of actual short term and long term power purchased from State IPPs and CGPs | Q_7 | 12776000 | KwH |
| 9 | Quantum of scheduled short term purchased through inter-state route | Q_8 | 208639085 | KwH |
| 10 | Quantum of scheduled short term and long term purchased through inter-state route at the State periphery | $Q_9=Q_8(1-L1)$ | 201607947 | KwH |
| 11 | Quantum of power purchased from other Sources(if any) | Q_{10} | 502569381 | KwH |
| 12 | Total Quantum of power purchased | $Q_{PP}=Q_1+Q_2+Q_3+Q_5+Q_6+Q_7+Q_9+Q_{10}$ | 4655411655 | 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} | 974323086 | KwH |
| 15 | Quantum of power purchased for sale to retail consumers of the State | $Q_{RS}=Q_{PP}-Q_{PT}$ | 3681088569 | KwH |

W. Singh