From

General Manager/Commercial,
UHBVNL, Panchkula.

To

(1) Chief Engineer ‘Operation’, UHBVN (Panchkula & Rohtak)
(2) All Superintending Engineers ‘Operation’, UHBVN.
(3) All Executive Engineers ‘Operations’, UHBVN.
(4) All SDOs ‘Operation’/JEs Incharge of Sub-Offices, UHBVN.

Memo No.: - Ch- 10/Billing- 148/Vol-II

Subject: - Sale of CFLs at subsidized rates to the domestic consumers of UHBVN

CFLs are an important energy efficient lighting technology promoted by organizations worldwide. CFLs typically use 5 - 8 times less energy to provide a given light emission during the operational phase than incandescent lamps. A CFL uses approximately 25% of the power that would be consumed by an equivalent light output by the traditional incandescent lamp.

The use of CFL is beneficial to the utility as well as the consumer since its usage results in the reduction of power demand at peak hours which is actually the evening peak load. Since the demand reduction happens at the consumer end, saving in generation is much higher. It also provides the consumers with an opportunity to consume efficiently and reduce their electricity bills. Thus, the CFL option for lighting is more economical for both the consumer and the utility. The utility shall also benefit from high collection efficiency for a few months during the distribution phase and later during the exchange scheme phase. So with energy conservation on its mind, the UHBVN has decided to promote the use of CFLs. This will not only bring down the overall power consumption but also would benefit the consumers in terms of reduced bills. The objectives of the CFL Campaign are as below:

(a) Discoms can reduce Load on System (Load reduction with 1 lakh CFL is 7.5 MW)
(b) Energy can be saved
(c) Reduced energy bills for Consumers
(d) Nigam can avail Carbon Credits
(e) Environmental benefits –1 CFL saves 60 kg of CO2 per year (BEE)

In view of the above, Nigam proposes to procure CFLs at a bulk rate and distribute the same to consumers at subsidized rates.
1. **THE SALIENT FEATURES OF THE SCHEME ARE AS UNDER:**

   (a) The scheme shall come into force from the date of issue of this circular.

   (b) Under the scheme, the CFLs shall be sold to the domestic supply consumers of UHBVN at the subsidized rates by the UHBVN. The recommended ratings for the replacement of existing incandescent lamps with CFL is as under:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>GLS Lamp</th>
<th>CFL lamp recommended for replacement</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>60 watt</td>
<td>15 watt</td>
</tr>
<tr>
<td>2</td>
<td>100 watts</td>
<td>20 watt</td>
</tr>
</tbody>
</table>

   (c) The CFLs would be sold to the consumers who have paid their last three bills. To avail this scheme, he will show these receipts to the SDO ‘Operation’ concerned. The consumers shall be issued proper receipt on form BA-16 towards sales of these lamps.

   (d) 15 W CFLs are available on stock and would be sold to the interested consumers who come forward to purchase the same. 20 W CFLs would be sold when available on stock.

   (e) The subsidised rate of 15 W CFLs is Rs. 63/- per lamp. The rate of 20 W CFL would be fixed, when the same are procured.

   (f) The CFLs supplied by the Nigam will come with a guarantee of 18 months.

   (g) A consumer will be entitled to receive a specific number of CFLs in a year depending upon his connected load. The criteria will be as below:

<table>
<thead>
<tr>
<th>Connected Load (in KW)</th>
<th>Number of CFLs to be distributed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 KW</td>
<td>4 CFLs</td>
</tr>
<tr>
<td>2 KW</td>
<td>6 CFLs</td>
</tr>
<tr>
<td>5 KW</td>
<td>10 CFLs</td>
</tr>
</tbody>
</table>

   (h) A consumer who intends to purchase CFLs, will have to submit a declaration of his connected load as per the performa attached as Annexure “A”.

   (i) After a period of 6 months, a consumer will again be given an option to get replaced 4 working or 6 fused bulbs with one CFL. However the condition of payment of last three bills will stand.

   (j) A receipt in the format placed as Annexure “B” shall be issued to each consumer to whom the CFLs are issued against the replacement of working/fused bulbs.
2. **PROCEDURE:**

(a) The cost of each CFL shall be recovered from the consumer in 5 bimonthly installments as below:

(i) 1/5 of the cost to be recovered while distributing the CFLs to consumers.

(ii) The rest of the cost to be recovered in 4 bimonthly installments, built-in into the consumer bimonthly electricity bills.

(iii) The consumer also has the option of paying full cost of the lamp on the spot.

(b) The details of the consumers opting for installment plan shall be intimated by the sub-division to the billing agencies as per the following format:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the consumer</th>
<th>Consumer’s Account No.</th>
<th>No. of Installments</th>
<th>Amount of Each Installment (Rs.)</th>
</tr>
</thead>
</table>

(c) The billing agencies shall show the CFLs installments under separate head i.e. “CFL installment- Rs____” in every energy bill. The report of CFL installment realization shall also be given separately along with the revenue summary reports in every group billing.

(d) Proper record/register of CFLs’ distribution and receipt of fused CFLs/GSL lamps shall be maintained by the concerned sub-division.

3. **AVAILABILITY OF CFLs**

(a) CGM/MM will ensure the availability of adequate quantity of CFLs of 15W & 20 W in various stores of UHBVNL.

(b) The bulbs shall be further allocated to the SEs of the concerned Circles based on their indent. A maximum of 10,000 nos of CFLs shall be issued in a lot through central store and next issue will be only when the stock in the circle store is below 2000.

4. **STORAGE & RECYCLING:**

(a) All the circles shall also have a mini CFL storage facility having capacity of storing **15,000 CFLs**.

(b) The disposal mechanism of the fused CFLs shall be shortly designed by the Nigam and conveyed to the field.

(c) A new storage facility shall be created to store the CFL bulbs in view of mercury presence. The capacity shall be for about 10 Lakhs Lamps.

(d) The consumers shall be soon provided facility at BSK for asking Nigam to collect fused CFL bulbs. (Nigam will arrange for doorstep pickup if the consumer offers minimum 4 bulbs for disposal).
(e) The unbroken fused CFLs shall be stored in steel drums of adequate size (to be arranged & provided by C.E./OP concerned in their respective zones) at the sub division level. The fused CFL bulbs shall be deposited at sub-division offices, with an upward movement to circle store and then to disposal centre in the first week of every month after an audit by the Divisional Office.

These instructions may be noted by all concerned for meticulous compliance.

General Manager/Commercial,
UHBVN, Panchkula.

Enclosures: Annexures “A” & “B”

CC: -

(a) Gurjit Singh, Joint Director, DOEACC Center, Chandigarh for taking necessary action for amending the bill format and revenue summary report.

(b) S.S. Solanki, Project manager, ERDC Manager, Hartron, Ambala Cantt for taking necessary action for amending the bill format and revenue summary report

(c) Sr. P.S. to MD, Directors (Finance, Tech-I and Tech-II), UHBVN, Panchkula for kind information of MD and Directors please.

(d) CGM/MM UHBVN Panchkula to procure the required CFLs of 15 W & 20 W.
ANNEXURE-“B”

RECEIPT FOR CFLs/BULBs

BOOK NO. DATE RECEIPT NO.

With thanks, received from Shri ..... 

..............................................................

.......s/o........ ......................................... ....... ............... .................

Resident of...........................................................................................................

No. (quantity) .........................................fused CFLs / working GSL lamps / fused GSL 
lamps of make ............and issued him .............................................................number 
(quantity) CFL of power rating........Watt, free of cost.

Signature of Nigam’s employee with designation 

Signature of person who returns the CFL/GSL Lamp
Connected Load Declaration

I, ___________________________ Son/daughter/wife of

Shri_____________________________________________________________ resident of

______________________________________________________________________ hereby solemnly affirm as under:

1. That I am having an Electric Connection bearing Account No.__________ under DS category in the above premises.

2. That the declared connected load against the above electric connection is ________ KW

Signatures of the Consumer

Date: