



**Punjab State Electricity Board**  
**Office of Director /Energy conservation, PSEB, Patiala**

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To

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**Subject:- INVITATION OF OFFERS FOR LIGHTING  
ENERGY EFFICIENCY PROJECT UNDER  
BACHAT LAMP YOJNA**

Punjab State Electricity Board (PSEB) is an integrated power utility engaged in the business of Generation, Transmission & Distribution in the state of Punjab. The Board serves over 47 lac domestic consumers. The lighting by domestic consumers is a major component of the peak load of the State. The PSEB, as a part of the Demand Side Efficiency initiative, intends to implement the energy efficiency programme for promotion of energy efficiency in lighting system of the residential household consumers in its area based on the parameters laid down by Bureau of Energy Efficiency, Govt. of India under "Bachat Lamp Yojna" (BLY). The Bureau of Energy Efficiency (BEE), the nodal agency managing the implementation of Bachat Lamp Yojana scheme, would be the monitoring agency for the projects.

PSEB invites offers for participation in implementation of lighting energy efficiency programme under the "Bachat Lamp Yojna" of Bureau of Energy Efficiency, Ministry of Power, Govt. of India from interested Project developers including CFL manufacturers/ traders empanelled by BEE for implementation of BLY.

**1.0) PROJECT PROFILE**

- (a) The Project is based on distribution of high quality CFLs at discounted rates as prescribed by BEE in exchange for functioning Incandescent Lamps that are currently being used in the households. The project shall be developed as a CDM project as per the UNFCCC guidelines and the Program of Activities designed by BEE in India. The balance cost of the CFLs shall be recovered by developers from CER revenues to be

generated from the project and PSEB shall not bear any financial liability for the same.

- (b) PSEB will provide data base of house holds in the project area, assist in the selection of Project Sample Group (PSG), Project Sample Buffer Group (PSBG), Project Cross-check Group (PCCG) as required in the scheme. PSEB will provide information available with it for smooth implementation of BLY in the State.
- (c) PSEB will have about **16 number project areas** with more than 28 lac domestic consumers of 13 distribution circles of PSEB in the first phase. Therefore the project provides huge potential of approximately upto **112 lac CFLs** which will be distributed to its targeted domestic consumers (upto 4 CFLs per consumer). Bidders may quote for any number of project areas. PSEB reserves the right to choose the CFL manufacturer / Trader and / or to allocate project areas based on feasibility.

**2.0** The basic requirements and functions to be managed by project developer are as under:

- a) Total investment and expenditure will be made/ arranged by the bidder & there shall be no financial liability of PSEB.
- b) All CDM related activities including
  - i. Preparing CDM Small-Scale Project Design Document (SSC-PDD) as per BEE provided BLY CDM Scheme Framework Document (BEE-CFD).
  - ii. Getting the SSC-PDD validated by a Designated Operational Entity accredited with the UNFCCC.
  - iii. Getting the SSC-CPA –PDD registered with the UNFCCC (including payment of any fees to UNFCCC).
  - iv. Post CDM project registration sharing complete project monitoring and verification information with BEE
  - v. Official communication with the CDM–EB, DOE and Indian DNA.
  - vi. Allocation of CERs amongst project participants e.g PSEB according to their share in emissions reductions during project period.
- c) Pre-project survey to estimate the energy saving potential of the project shall be carried out by developer.

- d) BEE will be the monitoring agency for the project and tripartite agreement will be signed as standard document endorsed by BEE.
- e) Distribution of CFLs to the domestic consumers at the price allowed in the BLY and collection of incandescent lamps including discounted price of CFLs will be sole responsibility of the bidder. However PSEB will provide temporary storage space for the same..
- f) Bidder will ensure free replacement of fused CFLs during warranty period and at the price allowed in the BLY after the warranty period during life of project, for which mechanism will be put in place by the bidder for collection of fused CFLs and supply of new one. The safe disposal of fused/damaged CFLs during project period will be the responsibility of the developer.
- g) Safe keeping of replaced ICLs for independent inspection, as per guide lines of the BLY of BEE.
- h) Disposal of ICLs after the inspection.
- i) No subsidy will be provided by Pb. Govt./PSEB against reducing cost differential of CFLs.
- j) The bidder will have to implement any rules framed, in future, by Ministry of Environment and Forest Govt. of India for disposal of fused / damaged CFLs/ tubelights

### **3.0) *Technical specifications of CFL***

**Rated wattage :** 11-23 Watt\* depending upon the ICL being replaced.

**Life of CFL :** Minimum 10,000 hours

**Power Factor :** Minimum 0.85

**Mercury Content:** Less than 5.0 mg

\*Total lumen output of the CFL should be equal to or more than that of ICL being replaced.

Bidder will have to ensure supply of quality CFLs in accordance with IS 15111 (Part 1&2) including the latest modifications.

### **4.0) Eligibility Criteria**

Bidder shall be required to be empanelled in the list of CFL manufacturer/Traders selected for Participation in CDM based BLY of BEE.

As the project is based on heavy investment, to ensure the successful completion of the project the financial capability, experience of successfully carrying out

similar project in other power utilities in the country and capability for timely completion of projects will be an essential qualification for the developer and documents in support of the same should be sent with the proposal.

Your detailed offer shall clearly specify the information sought and shall form the basis of our future correspondence /action about award of the project activity. It shall include the following:

- Confirmation of conditions narrated in para 2.0 above
- Confirmation of the Technical specification of CFLs as narrated in para 3.0 above.
- Number of project areas considered for bid
- Percentage of carbon credits (CERs) sharing with PSEB.
- Time schedule for implementing the projects.
- Project implementation strategy.
- Details of similar project implementation experience, if any, in other parts of the country

You are requested to kindly submit your proposals with all details in a sealed cover with superscription "Offer for Lighting Energy Efficiency Project by **28.8.2009 before 1230Hrs**. In case of downloading the EoI document from website, the proposal should be accompanied with Demand- Draft of Rs.1000 drawn on any scheduled bank, payable at par in Patiala in favour of AO, Cash, PSEB. The bids shall be opened at **28.8.2009 at 1300Hrs** at following address.

**Chief Engineer /HRD, TTI Complex, Shakti Vihar, PSEB, Patiala - 147001**

All participants in the offer are invited to attend the opening of offer. In case of any further details please contact the undersigned on telephone no. 0175-2301538 or mobile no. 096461-18111.

**Director/Energy Conservation,**

Shakti Sadan, First Floor, Opposite kali Devi Mandir,

PSEB, Patiala.