# SCHEME

# For

# IMPLEMENTATION OF ENERGY EFFICIENCY PROJECTS UNDER

# PUNJAB STATE ENERGY CONSERVATION FUND (PSECF) THROUGH

# REVOLVING INVESTMENT FUND (RIF) MODE

# For

# PUNJAB

**PUNJAB ENERGY DEVELOPMENT AGENCY**
**SOLAR PASSIVE COMPLEX, PLOT NO. 1 & 2,**
**SECTOR-33 D, CHANDIGARH – 160 034**
**TEL: +91 172-2663382, 2663328; Fax: 0172-2662865**
**Website: http://www.peda.gov.in**

# Contents

SECTION 1 - INTRODUCTION ..... 3
1.1 INTRODUCTION ..... 3
1.2 BACKGROUND ..... 3
1.3 NEED OF ENERGY CONSERVATION FUND ..... 4
1.4 OBJECTIVE: ..... 5
1.5 RATIONALE FOR PSECF ..... 5
1.6 SCOPE OF PSECF ..... 6
1.7 REVOLVING INVESTMENT FUND ..... 6
1.8 ALLOCATION OF REVOLVING INVESTMENT FUND ..... 6
1.9 PROPOSED FINANCING SCHEMES ..... 7
SECTION 2 – PSECF SCHEME UNDER RIF MODE ..... 7
2.1 THE SCHEME: ..... 7
2.2 ELIGIBILITY CRITERIA: ..... 8
2.3 SECTORS COVERED UNDER THE SCHEME: ..... 9
2.4 PROCEDURE FOR IMPLEMENTATION OF THE SCHEME: ..... 9
2.5 MONITORING & VERIFICATION ..... 10
2.6 FINANCIAL ASSISTANCE: ..... 11
2.7 INTEREST AND CHARGES: ..... 11
2.8 REPAYMENT: ..... 11
2.9 TERMS AND CONDITIONS OF FINANCIAL ASSISTANCE: ..... 12
2.10 ESCROW MECHANISM: ..... 13
2.11 UNDERTAKING: ..... 13
2.12 RIF Agreement: ..... 13
2.13 PENALTY: ..... 13
2.14 ILLUSTRATIONS: ..... 14
2.14.1 Illustration 1: MARKFED ..... 14
2.14.2 Illustration 2: RAJENDRA HOSPITAL PATIALA ..... 14
ANNEXURE -1: COVER LETTER ..... 16
ANNEXURE – 2: COMMON APPLICATION FORM ..... 18
APPENDIX 1 – DRINKING WATER PUMPING ..... 19
APPENDIX 2 – COMMON AREA / MUNICIPAL STREET LIGHTING ..... 20
APPENDIX 3 – ENERGY EFFICIENCY IN BUILDINGS ..... 21
ANNEXURE 3 – ANNUAL ENERGY CONSUMPTION DETAILS ..... 23
ANNEXURE 4 – UNDERTAKING ..... 24

# SECTION 1 - INTRODUCTION

## 1.1 INTRODUCTION

Recognizing the importance and value of energy conservation in overall energy planning, the Government of India enacted the EC Act of 2001. In order to receive funding set aside by the Act to support these activities, each state has been requested to develop an Action Plan which will serve as the roadmap for that work. The Bureau of Energy Efficiency (BEE), created through the EC Act has developed a base set of certain deliverables which must be addressed by the plan. Punjab Energy Development Agency (PEDA), which was created in 1991, has been designated by the State as State Designated Agency responsible for spearheading Energy Efficiency Efforts to identify and oversee energy conservation programs, including those mandated by BEE. In addition to the planning, oversight and guidance of activities, PEDA will coordinate, regulate and enforce the provisions of the EC Act.

## 1.2 BACKGROUND

Under Section 16 of the Energy Conservation Act, 2001, the State Govt. is required to constitute a Fund for the purposes of promotion of efficient use of energy and its conservation within the State. Accordingly, the Govt. of Punjab has notified the constitution of the Punjab State Energy Conservation Fund vide Govt. Notification No. 10/17/2010/STE(3)/469 dated 22.02.2010. In this context, a scheme titled Contribution to PSECF by the Government of India is in place from the XI Plan with SDA being the implementing agency for the scheme. The PSECF is proposed to be utilized to facilitate market transformation through implementation of Energy Efficiency projects by PEDA, SDA-Punjab.

In the initial years, the energy conservation activities in the state were promoted with a multipronged strategy of regulatory, promotional and incentivizing measures. The preliminary energy audits carried out in various types of consumers of commercial energy show that there is approximately 15% to 20% energy saving potential through adoption of energy efficiency measures. Over the years, a greater awareness has been created in all sectors of the economy to achieve energy efficiency.

The most viable market transformation strategy for implementation of energy efficiency projects is through the ESCO route. Structuring of successful ESCO model is being pursued over a time by various organizations in different countries compared to India where it is still in nascent stage.

Many endeavors to develop policies on energy efficiency in India have been undertaken which would cement the confidence of ESCOs but unfortunately not many investors have shown interest in investing for energy efficiency projects. This is primarily because of the fact that investment is to be recouped through the accrued energy savings, process for which still needs to be streamlined and could not be done till now. These projects may be taken up by providing financial assistance through Revolving Investment Fund.

## 1.3 NEED OF ENERGY CONSERVATION FUND

A State Energy Conservation Fund is needed to overcome the major financing barriers in Punjab that include the following:

- The relatively small size of energy efficiency (EE) projects makes them less attractive for conventional bank financing.
- The concept of "project financing" has not yet been accepted for EE projects at desirable scale.
- Conventional lenders do not have sufficient knowledge and understanding of EE technologies and their economic and financial characteristics.
- Financial institutions may perceive EE projects as more risky than their other conventional lending.
- The transaction costs for EE projects are relatively high.
- EE projects have a relatively high proportion of "soft costs."

In addition, Punjab has to comply with the requirements of the Energy Conservation Act, 2001 (EC Act). The EC Act is the most important legislative initiative related to energy efficiency in India's history. Its purpose is to "provide for efficient use of energy and its conservation and for matters connected therewith or incidental thereto." The Act empowered the Central Government, State Governments and the Bureau of Energy Efficiency (BEE) with certain powers and functions. One of the key elements of the Act as it

related to the States is the mandatory requirement for the establishment of a designated agency "to coordinate, regulate and enforce provisions of this Act within the State."

In response to these requirements Punjab has designated PEDA as the designated agency for the purposes of the EC Act. PEDA has developed the preliminary structure of the State Energy Conservation Fund (PSECF) and has formulated the Scheme for PSECF.

## 1.4 OBJECTIVE:

- To encourage energy efficiency implementation in energy intensive clusters by financing through Revolving Investment mode.
- To achieve energy efficiency in energy intensive sectors through Revolving Investment Fund
- To facilitate the stakeholders for initial investment in energy efficiency measures
- To promote latest energy efficient technologies through Revolving Investment Fund

The PSECF shall provide financing for all energy consuming sectors, including street lighting / common area lighting, drinking water supply, municipal drinking water supply and sewerage, buildings etc.

## 1.5 RATIONALE FOR PSECF

The PSECF will:

- Facilitate increased implementation of energy efficiency (EE) projects by large energy users
- Facilitate engagement of commercial financial institutions to participate in EE project financing
- Demonstrate leadership in EE through implementation of EE projects in the public sector
- Alleviate the power shortage and related impacts on the state economy
- Meet the mandated requirements of the EC Act, 2001

## 1.6 SCOPE OF PSECF

The scope of PSECF is summarized below:

- Support the financing of specific EC projects using a variety of options such as debt financing, equity financing, grants, and credit or risk guarantees to financial institutions.
- Contribute to the development of the EE market in Punjab by financing projects with private sector implementation through energy service delivery organizations (such as ESCOs).
- Develop and demonstrate model financial transactions.
- Develop typical financing agreements that can be used by the private sector.
- Build the capacity of local financial institutions in EE project transactions to increase their knowledge, interest and capability for financing such projects
- Leverage commercial funds and create a sustainable market for EC project financing.

## 1.7 REVOLVING INVESTMENT FUND

It is proposed to use PSECF as Revolving Investment Fund (RIF). It is important to understand the operational aspects of a fund to be used as RIF. The idea behind a Revolving Fund is that an organization (or sometimes an individual) has a reserve of money (the Fund) which is used to lend to one or more borrowers. Over a given period of time, the borrower is expected to repay the original sum that restocks the fund. Usually, an additional sum is charged (interest) to the borrower that acts as a fee for providing the service (administrative costs) and helps to protect the fund from being depleted. The concept of Revolving Funds is often used in developing countries to provide affordable access to credit for those wishing to borrow money for anything from buying food and productive inputs, to businesses and services.

## 1.8 ALLOCATION OF REVOLVING INVESTMENT FUND

The total corpus of Revolving Investment Fund (RIF) is Rs. 300 lakhs what shall be deployed as below:

1. Rs. 100 Lakhs shall be deployed in Street Lighting / Common Area Lighting
2. Rs. 100 Lakhs shall be deployed in Buildings
3. Rs. 100 Lakhs shall be deployed in water pumping systems

### 1.9 PROPOSED FINANCING SCHEMES

In the initial design of the PSECF, a number of schemes have been identified which may be used in a variety of ways to finance EC projects. Various Schemes can be structured within the purview of the broader guidelines for deployment of PSECF as RIF. This scheme document provides a description of financing scheme and the implementation rules and procedures. Additional financing schemes will be developed and implemented as the Fund size grows in future years.

## SECTION 2 – PSECF SCHEME UNDER RIF MODE

An RIF should be designed to serve the needs of all public agencies. Some of these agencies may not be creditworthy, or have no borrowing history; others may not have available borrowing capacity; and others may not have the internal capacity to identify, design and manage the implementation of EE projects. To address some of these issues, an RIF may offer several financing products

### 2.1 THE SCHEME:

Punjab Energy Development Agency (PEDA) is driving the initiatives of BEE, Government of India to promote Energy Efficiency Projects in the state of Punjab. An amount of Rs. 300 lakhs from Punjab State Energy Conservation Fund (PSECF) has been earmarked to be utilized as Revolving Investment Fund (RIF) for promotion of Energy Efficiency Projects in Public Sector. PEDA has formulated a Scheme for providing Financial Assistance to Public Agencies desirous of availing the benefits of the Scheme at zero rate of interest.

2.1.1 The Public Agency desirous of obtaining Financial Assistance under this Scheme shall apply to PEDA in requisite formats by Proposal Due Date as defined hereunder. PEDA would evaluate the proposal and undertake site assessment and assess the same with regards to energy savings and payment commitment of the Public Agency and convey its decision to the Public Agency. Once the proposal is approved for financing by PEDA, the Public Agency shall have to undertake Investment Grade Energy Audit through Accredited Energy Auditors and submit the detailed proposal with detailed specifications, costing and estimates to PEDA which will form the basis of financing and repayment mechanism.

2.1.2 Public Agency must note that the financial assistance being provided under the scheme covers for all costs associated with implementation including, but not limited to, tenders preparation, invitation of proposals, Energy Audit, administrative and other expenses, etc. The financing shall be available for both existing and new projects.

2.1.3 The advantages of an RIF is that, unlike commercial financing that may require equity contribution from the borrower, the RIF may provide up to 100% financing.

## 2.2 ELIGIBILITY CRITERIA:

Municipalities / departments / boards / corporations or any other Public Agency of Central / State Government desirous of availing financial assistance on repayment basis, can apply to PEDA for availing the same in the stipulated formats in accordance with the schedule. The Scheme is open to:

1. Department of PWD (B&R)
2. Department of Water Supply and Sanitation
3. Department of Local Government
4. Department of Housing & Urban Development
5. Department of Power
6. Department of Forest and Wildlife
7. Department of Water Resources
8. Department of Higher Education
9. Department of Technical Education & Industrial Training
10. Department of Rural Development & Panchayats
11. Department of Transport
12. Department of Industries and Commerce
13. Bharat Sanchar Nigam Limited
14. Punjab State Power Corporation Limited
15. Milkfed
16. Markfed
17. The Punjab State Agricultural Marketing Board
18. DAC Complexes
19. Government Colleges

20. Improvement Trusts
21. Development Authorities
22. Municipal Corporations, Councils, Committees, Nagar Panchayats, etc.
23. Punjab Tourism
24. Anandpur Sahib Foundation
25. Government Schools
26. Government Hospitals and Dispensaries
27. Punjab Police Housing Corporation
28. Punjab Warehousing Corporation
29. Public Agencies of Central / Stage Governments
30. Universities of Central / State Government (PAU, etc.)
31. Public Health Services Corporation
32. Any other Department / Organization of Central or State Government

## 2.3 SECTORS COVERED UNDER THE SCHEME:

The Scheme shall provide financial assistance on returnable basis for the following:

1. Street Lighting / Common Area Lighting
2. Energy Efficiency in Buildings
3. Energy Efficiency in Water Pumping

The Scheme proposed to provide financial assistance of Rs. 100 lakhs to each of the above sectors.

## 2.4 PROCEDURE FOR IMPLEMENTATION OF THE SCHEME:

2.4.1 The Public Agency shall apply to PEDA for Financial Assistance (FA) under the Scheme in the requisite formats by due date. PEDA will evaluate the proposal / application, undertake site assessment and then communicate to the Public Agency regarding in principal sanction of the proposal and asking the Public Agency to undertake Investment Grade Energy Audit (IGEA) from Accredited Energy Auditors. These Energy Auditors shall provide complete handholding to the Public Agency and their scope of services would include, but not limited to, undertaking IGEA, Preparation of Tender Documents, Monitoring, post implementation Energy Audit, Evaluation and submission of evaluation report to

PEDA duly signed by Public Agency. Public Agency shall submit to PEDA its DPR / IGEA Report within one month from the date of in-principal sanction / provisional sanction from PEDA. PEDA shall accord final sanction after reviewing the IGEA Report submitted to it by the Public Agency. The total final sanctioned amount from PEDA would include the cost of IGEA implementation, Monitoring & Evaluation and Supervision during implementation.

2.4.2 Once sanction is accorded by PEDA, Public Agency shall invite proposals from implementing agencies in accordance with the procedures and guidelines. PEDA will assist the public agency in invitation of proposals from different entities for implementation of the recommendations of IGEA report in case the public agency intends to seek such support. Public agency (with assistance from PEDA if it so desires) shall invite proposals within 20 days for implementation of IGEA. The Technical Specifications must be in accordance with the IGEA Report / PEDA recommendations in order to achieve the desired energy savings.

2.4.3 On appointment of implementing agency, PEDA shall disburse first tranche of 10% of the sanctioned amount to the Public Agency for which it would have to open a separate account. This 10% amount is the maximum limit for all administrative expenses, tendering, preparation of IGEA, monitoring and evaluation. 50% of the sanctioned amount shall be disbursed on completion of procurement of various energy efficient equipments, systems, devices and balance 40% shall be disbursed after completion of installation.

2.4.4 The FA is to be utilized in 6 months (extendable upto maximum of 9 months with due approval of PEDA) depending on the quantum of retrofitting and is recoverable in equal installments in the form of annuity payments to be decided on case to case basis but under no circumstances the installments shall exceed 60 months.

## 2.5 MONITORING & VERIFICATION

Accredited Energy Auditor employed by the Public Agency would undertake monitoring and verification any time after 2 months of the completion of implementation of the recommendations of the IGEA. The monitoring and evaluation would comprise post implementation energy audit to be undertaken by

Accredited Energy Auditors. The cost of such post implementation energy audit would be borne by Public Agency out of administrative expenses disbursed by PEDA as initial installment with overall cap of 10% of the total sanctioned amount.

## 2.6 FINANCIAL ASSISTANCE:

The Scheme shall provide financial assistance upto Rs. 25 lakhs, to each public agency desirous of availing financial assistance under the scheme in each of the sectors mentioned in 2.3 above. Under exceptional circumstances, in its sole discretion, PEDA may approve financial assistance of more than Rs. 25 lakhs depending on creditworthiness and proposal soundness of the Agency. The financing amount shall be decided based on the IGEA Report.

## 2.7 INTEREST AND CHARGES:

The financial assistance provided under the scheme shall bear no interest and the sanctioned / disbursed amount shall include all administrative and preparatory expenses to be incurred for implementation of IGEA including post implementation energy audit, monitoring and evaluation.

## 2.8 REPAYMENT:

Repayment to RIF can be made by way of:

1. Post Dated Cheques equivalent to 100% of the value of financing backed by unconditional and irrevocable Bank Guarantee of same value in favour of PEDA payable at Chandigarh.

OR

2. The Public Agency availing Financial Assistance from RIF shall have to escrow certain revenue stream:

    - Pledging future tax collections, revenues or transfers that will be received from the Department of Finance (DOF) or other sources.
    - Obtaining guarantees from DOF / Financial Institutions to back up the repayment.
    - Budget received from State Government for its normal operations including payment of energy charges to PSPCL.

- Revenue from property tax, user charges, utility charges, fees, taxes, duties, proceeds from sale / lease of assets, etc.
- Any other source of revenue depending on the Agency and its nature of operations and profile

a. The said revenues / cash flows shall be directed into an escrow account by the Public Agency. The Escrow Agent / Escrow Bank shall remit the annuity payment to RIF / PEDA and balance amount in the escrow account shall be transferred to the account of the Public Agency.

b. Fixed Annuity Payments from the Escrow Account to the RIF based on IGEA which shall define the tenure and no. of EMIs or as per mutual agreement which can help the Agency repay faster and improve the overall efficiency of the fund. The Annuity payments shall be structured in a manner that deemed Energy Savings as per the IGEA are shared between the RIF and Public Agency until the complete amount is recovered.

c. Fixed Annuity Payments from the Agency to RIF based on IGEA and sum total of EMIs equivalent to the amount of financial assistance.

OR

3. Bank Guarantee equivalent to 100% of the value of financing valid for a period equivalent to the tenure of credit.

## 2.9 TERMS AND CONDITIONS OF FINANCIAL ASSISTANCE:

- **Amount:** Upto a maximum of Rs. 25 lakhs per sector per agency as per the IGEA Report
- **Implementation Period:** 6 months extendable upto 9 months with due approval from PEDA
- **Interest and Charges:** Not applicable
- **Tenure:** 36-60 months; The Public Agency shall however have the option to pre-pay the amount.
- **Moratorium**: Till implementation period.
- **Collateral**: Unconditional and Irrevocable Bank Guarantee of value equivalent to Financial Assistance.

**2.10 ESCROW MECHANISM:**

Once the proposal is approved and sanctioned by PEDA, PEDA will open an Escrow Account with and Escrow Bank / Escrow Agent and the Public Agency shall become party to the Escrow Agreement. The Public Agency shall commit certain revenue stream depending on the amount of Financial Assistance and annuity payment as communicated by PEDA into the Escrow Account by 1st of every month. The Escrow Bank shall in accordance with the provisions of the Escrow Agreement remit the annuity payment to PEDA and balance amount to the Public Agency. The tenure and amount shall be as per the Escrow Agreement to be signed between the Public Agency, PEDA and Escrow Bank / Escrow Agent. On complete repayment of Financial Assistance the Escrow Account will be closed by the Escrow Bank on instructions from PEDA or in accordance with the provisions of the Escrow Agreement, as the case may be.

**2.11 UNDERTAKING:**

Public Agency will be required to furnish an undertaking signed by the competent authority to repay the amount of Financial Assistance sanctioned and disbursed as per the scheme. The undertaking is to be furnished along with the proposal in the specified format at ANNEXURE - 4.

**2.12 RIF Agreement:**

The Public Agency whose proposal is sanctioned by PEDA shall sign a Contract Agreement (RIF Agreement) with PEDA in the specified format on a stamp paper of Rs. 500/- denomination. The Agreement shall spell out the obligations of the parties and other terms and conditions of association for implementation of recommendation of IGEA Report for Energy Efficiency Projects.

**2.13 PENALTY:**

2.13.1 **PENALTY FOR DELAY IN IMPLEMENTATION:** In case of delay in implementation by the Public Agency beyond the scheduled implementation period or any other extension granted by PEDA, delay penalty shall be charged to Public Agency at the rate of 1% per week for every subsequent week of delay upto a maximum of 10%. In case of delay beyond 10 weeks of scheduled implementation period or extended period (as the case may be) the entire disbursed amount shall become payable by Public Agency to PEDA immediately along with 18% penal interest compounded monthly from the date of disbursement until the entire amount is remitted / returned to PEDA.

2.13.2 **PENALTY FOR DELAY IN PAYMENT OF INSTALLMENTS:** In case of delay in payment of installments by the Public Agency, penalty will be charged on unpaid amount at 18% per annum compounded monthly for the period of delay.

## 2.14 ILLUSTRATIONS:

### 2.14.1 Illustration 1: MARKFED

| **MARKFED** | |
|---|---|
| Baseline | 248975 kwh per year |
| Total Energy Bill @Rs. 6.69/KWh | Rs. 1665643.00 |
| After implementation of recommendations of IGEA Report as per IGEA Report | 134035 kwh per year |
| Total Energy Bill @Rs. 6.69/KWh after implementation of the recommendations of IGEA Report | Rs. 896694.00 |
| Energy Savings | 114940 kwh per year |
| Cost of Interventions / retrofitting to implement the recommendations of IGEA Report including preparatory costs | Rs. 19,74,750.00 |
| Per unit cost of Energy | Rs. 6.69 |
| Energy savings in terms of Rs. | Rs. 768949.00 per year |
| Monthly Savings | Rs. 64079.00 |
| Project Proponent's Share | Rs. 13454.00 per month |
| EMI | Rs. 50625.00 per month |
| No. of installments | 39 (Payback Period) |
| Moratorium | 6 months |
| Total Tenure | 45 months |

### 2.14.2 Illustration 2: RAJENDRA HOSPITAL PATIALA

| Sl. No. | Energy Conservation Recommendations | Annual Energy Saving (Rs. Lakhs) | Proposed Investment (Rs. Lakhs) | Simple Payback period (Years) |
|---|---|---|---|---|
| 1. | Reducing the CD from 4062.467 kW to 1250 kW and Optimizing the energy consumption by installing energy monitoring System | 72.91 | 7.5 | 0.10 |

| | | | | |
|---|---|---|---|---|
| 2. | Shifting of load from some transformers to nearby transformers and Switching off those Transformer completely. | 1.88 | 1 | 0.53 |
| 3. | Replacement of inefficient Chiller with Energy Efficient Centrifugal Chillers | 19.77 | 70 | 3.54 |
| 4. | Replacement of Inefficient pump with new Energy Efficient pumps of Chiller Plants. | 4.59 | 2 | 0.46 |
| 5. | Replacing the present inefficient fans with energy efficient super fans | 7.35 | 24.27 | 3.26 |
| 6. | Replacing present inefficient lights with Energy Efficient LED lights | 12.85 | 18.69 | 1.45 |
| 7. | Replacing the present inefficient ACs with Energy Efficient ACs | 1.97 | 11.52 | 5.84 |
| 8. | Replacement of present inefficient pumps of water supply with Energy Efficient pumps | 6.13 | 2.4 | 0.4 |
| 9. | Installation of automatic level switch on the Overflow tank and giving controlling on the 15 HP motor for ON and OFF. | 4.28 | 0.1 | 0.02 |
| | **Total** | **131.73** | **137.48** | **1.10** |

| **RAJENDRA HOSPITAL PATIALA** | |
|---|---|
| Baseline Energy Consumption | 55.03 lakh kwh per year |
| Energy Consumption after implementation of recommendations of IGEA Report as per IGEA Report | 36.34 lakh kwh per year |
| Energy Savings | 18.69 lakhs kwh per year |
| Cost of Interventions / retrofitting to implement the recommendations of IGEA Report including preparatory costs | Rs. 137.48 lakhs |
| Per unit cost of Energy | Rs. 6.69 |
| Energy savings in terms of Rs. | Rs. 125.05 lakhs per year |
| Payback Period | 13 months |
| Moratorium | 6 months |
| Total Tenure | 19 months |

# ANNEXURE -1: COVER LETTER

## (ON THE LETTER HEAD OF THE APPLICANT)

**Chief Executive Officer,**
Punjab Energy Development Agency,
Solar Passive Complex,
Plot No. 1 & 2, Sector-33 D,
Chandigarh – 160 034.

**Subject: Proposal for availing Financial Assistance for implementation of Energy Efficiency Projects under Punjab State Energy Conservation Fund through Revolving Investment Fund Mode.**

Sir,

1. I/We, the undersigned, having read and examined in detail the Scheme documents in respect of availing Financial Assistance for implementation of Energy Efficiency Projects from Punjab State Energy Conservation Fund (PSECF) on Revolving Investment Fund (RIF) Mode, do hereby express our interest to avail the Financial Assistance as specified in the Scheme Document.
2. I/We have read the provisions of Scheme Document and confirm that these are acceptable to us and further declare that additional conditions, variations, deviations, if any, found in our proposal shall not be given effect to.
3. Until the formal final Contract is prepared and executed between us, this Proposal shall constitute a binding contract between us.
4. We hereby declare that all the information and statements made in this proposal are true and accept that any misinterpretation contained in it may lead to rejection.
5. We understand you are not bound to accept any proposal you receive.
6. The person signing the cover letter and the proposal has due authorization.
7. I/We shall bear all costs incurred in connection with the preparation and submission of the proposal and to bear any further pre-contract costs.
8. I/We _____ hereby submits proposal for seeking Financial Assistance for an amount of Rs. _____ (Rupees _____(in words)_____ Only) for implementation of Energy Efficiency Projects on RIF Mode.
9. I/We undertake that the Financial Assistance sought under the Scheme shall be used exclusively for the purpose for which it is sanction and in no way for any other purpose / expenditure.

10. I/We are aware that in case of breach of any of the conditions of the Scheme Document or MoU, PEDA shall have full right to revoke the collateral and initiate other recourses available to it.
11. Our correspondence details are:

| | | |
|---|---|---|
| 1 | Name of the Institute/ Agency | |
| 2 | Address of the Institute/ Agency | |
| 3 | Name of the contact person to whom all references | |
| 4 | Designation of the person to whom all references shall be made regarding this Scheme | |
| 5 | Address of the person to whom all references shall be made regarding this Scheme | |
| 6 | Telephone (with STD code) / Mobile No. | |
| 7 | E-mail of the contact person | |
| 8 | Fax No. (With STD code) | |

12. We also understand that any decision taken by CEO, PEDA shall be final and binding on both the parties.

Thanking you,

Yours faithfully

(Signature of Authorized Person for this Application)

Name:

Designation:

Stamp of Institute/ Agency:

Date:

Place:

# ANNEXURE – 2: COMMON APPLICATION FORM

| | | |
|---|---|---|
| 1. | Name of the Agency | |
| 2. | Location / Address | |
| 3. | Name and address of the owner | |
| 4. | Choose Category:<br>a. Drinking water pumping (PLEASE PROVIDE DETAILS IN APPENDIX 1)<br>b. Common area / municipal street lighting (PLEASE PROVIDE DETAILS IN APPENDIX 2)<br>c. Energy efficiency in buildings (PLEASE PROVIDE DETAILS IN APPENDIX 3) | |
| 5. | Annual Energy Bill for last 12 months (attach copy of bills) | |
| 6. | Using cash inflows from which revenue source would you repay the amount of Financial Assistance either through Post Dated Cheques backed by Bank Guarantee or escrow mechanism? | |
| 7. | Monthly revenue from the revenue source listed at Sr. No. 6 | |
| 8. | Name & Contact Number of the Nodal officer In-charge | |
| 9. | Financial Assistance Required (in INR) – Please give details in relevant APPENDIX (1, 2 OR 3) as the case may be. | |

The information provided above is true to the best of my knowledge and belief.

Thanking you,

Yours faithfully

(Signature of Authorized Person for this Application)

Name:

Designation:

Stamp of Institute/ Agency:

Date:

Place:

# APPENDIX 1 – DRINKING WATER PUMPING

| S. No. | Particulars / Details of the Pump | Power (HP) (A) | Daily hours of operation (No. of Hours) (B) | Existing Annual Energy Consumption (KWH) C=(Ax0.746xBx365) | Age of the Pump (No. of Years) | Details of Proposed Retrofitting / Replacement (HP) | Power of Proposed Pump (HP) (D) | Proposed Daily Hours of Operation (E) | Estimated Annual Energy Consumption (KWH) F=(Dx0.746xE*365) | Estimated Energy Savings (KWH) C-F | Approx. cost of replacement with Energy Efficient Pump (INR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | | | | | | | | | | |
| 2. | | | | | | | | | | | |
| 3. | | | | | | | | | | | |
| 4. | | | | | | | | | | | |
| 5. | | | | | | | | | | | |
| **GRAND TOTAL** | | | | | | | | | | | |

**Note: Please attach along with this ANNEXURE -3 providing information on last 12 months Energy Bills**

Thanking you,

Yours faithfully

(Signature of Authorized Person for this Application)

Name:

Designation:

Stamp of Institute/ Agency:

# APPENDIX 2 – COMMON AREA / MUNICIPAL STREET LIGHTING

| S. No. | Description of existing lights | Location | No. of Lights (A) | Wattage (W) (B) | Daily hours of operation (C) | Age of the Lights | Estimated Annual Energy Consumption (KWH) D=AxBxCx365/1000 | Wattage of Proposed Lights (E) | No. of Lights (F) | Estimated Annual Energy Consumption (KWH) G=ExFxCx365/1000 | Estimated Energy Savings (KWH) D-G | Approx. cost of replacement with Energy Efficient LED Lights (INR) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1.** | | | | | | | | | | | | |
| **2.** | | | | | | | | | | | | |
| **3.** | | | | | | | | | | | | |
| **4.** | | | | | | | | | | | | |
| **5.** | | | | | | | | | | | | |
| **GRAND TOTAL** | | | | | | | | | | | | |

**Note: Please attach alongwith this ANNEXURE – 3 providing information of last 12 months Energy Bills from Common Area Lighting / Municipal Street Lighting**

Thanking you,

Yours faithfully

(Signature of Authorized Person for this Application)

Name:

Designation:

Stamp of Institute/ Agency:

# APPENDIX 3 – ENERGY EFFICIENCY IN BUILDINGS

## TABLE 1

| | | |
|---|---|---|
| 1. | Connected load of the building (KW) | |
| 2. | Annual energy consumption of the building | |
| 3. | Annual Energy Bill for last three years (attach copy of bills and fill the requisite appendix) | |
| 4. | No. of Gen Sets with capacity | |
| 5. | Average annual consumption of Diesel or any other fuel used for power generation | |
| 6. | Hours of normal operation of the building | |
| 7. | Air conditioned floor area (sq. m.) | |
| 8. | Total Built Up Area (sq. m.) | |
| 9. | Any other information related to power generation, supply and utilization | |

## TABLE 2

| S. No. | Particulars and Details of existing equipments | Location | Numbers (A) | Wattage (KW) (B) | Daily hours of operation (C) | Estimated Annual Energy Consumption (KWH) D=AxBxCx365 | Age of the Equipment (Years) | Wattage of proposed equipment (KW) (E) | Estimated Annual Energy Consumption (KWH) F=ExAxCx365 | Estimated Energy Savings (KWH) D-F | Approx. cost of replacement with Energy Efficient Equipment (INR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1.** | | | | | | | | | | | |
| **2.** | | | | | | | | | | | |
| **3.** | | | | | | | | | | | |
| **4.** | | | | | | | | | | | |
| **5.** | | | | | | | | | | | |
| **GRAND TOTAL** | | | | | | | | | | | |

**Note: Please attach along with this ANNEXURE – 3 providing information of last 12 months Energy Bills for the Building**

Thanking you,

Yours faithfully

(Signature of Authorized Person for this Application)

Name:

Designation:

Stamp of Institute/ Agency:

# ANNEXURE 3 – ANNUAL ENERGY CONSUMPTION DETAILS

Details of last 12 Energy Bills:

| S. No. | Date (From) | Date (To) | No. of days | No. of units | Amount |
|---|---|---|---|---|---|
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |
| 9. | | | | | |
| 10. | | | | | |
| 11. | | | | | |
| 12. | | | | | |

Please attach copies of Energy Bills

Thanking you,

Yours faithfully

(Signature of Authorized Person for this Application)

Name:

Designation:

Stamp of Institute/ Agency:

# ANNEXURE 4 – UNDERTAKING

## (ON THE LETTERHEAD OF THE APPLICANT)

I/We, _____[Name], _____[Designation], _____[Name of the Organization], do hereby undertake to repay the amount of Financial Assistance sanctioned and disbursed to us as per the Revolving Investment Fund Scheme for Implementation of Energy Efficiency Projects in accordance with the Scheme Document and Agreement.

I/We, further undertake that the Financial Assistance shall be solely used for the purpose of Implementation of Energy Efficiency Projects as per the provisions of the RIF Agreement, and under no circumstances, would be used for any other purpose, whatsoever.

Yours faithfully

(Signature of Authorized Person for this Application)
Name:
Designation:
Stamp of Institute/ Agency:

Date: _____