

**SOFT LOAN APPLICATION FORM
FOR
CONCENTRATING SOLAR THERMAL SYSTEMS FOR PROCESS
HEATING/COOLING APPLICATIONS IN INDUSTRIAL SECTORS**

(Concentrating Solar Thermal System Project)

Part 1

General Information

Part 2

Sector Specific Information



**IREDA
Indian Renewable Energy Development Agency Ltd.**

Core-4A, East Court 1st floor, India Habitat Centre Complex
Lodi Road, New Delhi – 110 003

Tel.: 91-11-24682214-21, Fax: 91-11-24682202

E-mail: mdireda@rediffmail.com Website: www.iredaltd.com

NOTES

- I. All communications to be addressed to the Chairman & Managing Director, IREDA
- II. Demand Draft / RTGS / NEFT details for Registration Fee as given in the table below is payable along with printed copy of the application and Detailed Project Report (DPR) along with other necessary documents as mentioned in the list www.ireda.gov.in

Loan Applied for	Amount*
Up to Rs. 1 crore	Rs. 10,000
Above Rs. 1 crore up to 20 crores	Rs. 30,000

(*) Note:-

- Service tax including educational cess will be extra
- Subject to change, Please refer to current IREDA's financing guidelines.
- Demand Draft shall be made in favour of Indian Renewable Energy Development Agency Ltd. Payable at Delhi/New Delhi only.

- III. If any of the points in the application is not applicable, please specify so.
- IV. The printed application shall be signed by an authorized signatory.
- V. Incomplete and/or ineligible applications shall not be registered by IREDA.
- VI. Mere submission of loan application shall not vest any right with the applicant for registration with IREDA.
- VII. IREDA will maintain the confidentiality of information provided by the applicant unless otherwise as required under law and/ or directions of RBI and other statutory authorities.
- VIII. In case of Loan availed under International Line of Credit, the Procurement Procedures as prescribed by the respective International Donor(s) shall be fulfilled by the applicant.
- IX. IREDA accepts application forms filled in English and Hindi only. Any document in any other language has to be submitted along with attested translated copy.

General Information

1.0 SUMMARY OF THE PROPOSAL (strike out sections that are not applicable)

- 1.1 Industry Specific Sector :
- 1.2 Installed Capacity (in Sq mtr) :
 1. Receiver Area –
 2. Aperture Area --
- 1.3 Project Cost :
- 1.4 Loan Assistance sought from IREDA :
- 1.5 Loan Assistance sought from others, if any :

1.6 Performance Indicators

Project IRR

Average DSCR

Payback Period

Break Even Point

External credit rating report enclosed

Yes

No

1.7 Details of payment of registration fee

Mode of Payment : Demand Draft / RTGS / NEFT

Demand Draft No / RTGS / NEFT :
details

Date :

Amount :

Drawn on (Name & Branch of Bank) :

PAN No. :

2.0

2.1 Name & Correspondence :

Address of the Applicant
Company
Telephone :
Fax :
E-mail Address :
Website :

2.2 Address of the Registered Office :

Telephone :
Fax :
E-mail Address :

2.3 Address of the Corporate Office :

Telephone :
Fax :
E-mail Address :

2.4 Name & Designation of Chief Executive :

Telephone (Land Line) :
(Mobile) :
Fax :
E-mail Address :

2.5 Name of the Authorised Dealing Official (s)

Name	Designation	Telephone		Fax
		Land Line	Mobile	

2.6 Whether the Company is existing or new or formed as Special Purpose Vehicle (SPV) for taking up this project (Pls. Tick mark appropriately) : Existing New SPV

2.7 If existing, Nature of Industry & Products : _____
(Provide detailed write up in a separate sheet)

2.8 Name of Business house or Group to which the company belongs :

2.9 List of Associate Concerns in the group (Provide details in separate sheet in case number of companies are more) :

2.10 Total Shareholding pattern of the Applicant Company (as on _____):

Sl. No.	Name of share holder	No. of shares	Face Value Rs.	% to total Share capital
	Total			100%

2.11 Details of the promoter(s), Promoter Director(s) and Promoter Company(ies)

Sl.No	Name of Promoter(s)/ Promoter Director(s)/ Company(ies)	Designation	Shareholding %	* Networth (Rs. in Lacs)
		Total		

2.12 Furnish Returns filed for the latest Financial Year give below:

Name of the Promoter/ Promoter Companies	Income Tax Assessment		Wealth Tax Assessment		Sales Tax Assessment(*)	
	Assessed Taxable Income	Income Tax Assessed/ Paid	Wealth Assessed	Wealth Tax Assessed/ Paid	Sales Tax Assessed	Sales Tax Assessed /paid

*wherever applicable

Networth declared by individuals by Chartered Accountant in **Form II**. Enclose copies of IT & Wealth Tax Returns for Promoters & Promoter Companies giving guarantees

2.13 (a) Facilities already sanctioned/ availed from IREDA by the Applicant Company:

Sl. No.	Project Name	Year of sanction	IREDA Loan	Disbursed Amount	Repaid Amount

(b) Facilities already sanctioned/ availed from IREDA by the group/ associated companies:

Sl. No.	Project Name	Year of sanction	IREDA Loan	Disbursed Amount	Repaid Amount

(c) Please provide information of other projects set up by the Company either on their own or with assistance from other financial institutions, if any:

Sl. No.	Project Details with Location	Year of Commissioning	Project capacity (MWp) / Sq mtr	Generation	Loan taken from FIs/bank

3.0 LEGAL STATUS OF THE APPLICANT:

3.1 Type of Organization

Public Sector Private Sector Jt. Sector Co-Operative Others

3.2 Clause No. of Memorandum & Articles of Association (MOA)/ Bye-laws :

a) to undertake the project :

b) to borrow loans :

c) empowering Board of the company to borrow loans :

d) date of passing resolution u/s :
149(2) in case of Limited companies
& Board resolution in case of Pvt
Limited companies (*)

(*) Required in case the (MOA) contain the clause in object clause C. Please submit the relevant required documents filed with the ROC as required under Companies Act, 1956

3.3 Date of:

a) Incorporation/ Registration :

b) Commencement of Business :

(Enclose certificate(s) from the existing Financial Institution /Bankers, that Dealing of company's accounts with them is satisfactory in **Form VII**)

5.3 Financial Performance :
(for the last three years)

(I)	Financial Parameters of the firm for the last three years (as per Audited Balance Sheet)	(Rs. in lacs)		
		Year I	Year II	Year III
	a) Equity b) Reserve and Surplus c) Net Worth d) Sales Turnover e) PBDT f) Net Profit g) Loan (Term Loan) h) Fixed Asset i) Dividend (%) j) Debt-Equity Ratio k) Capital Employed			
	Credit rating from CRISIL/ CARE, if any			
(Enclose Audited balance sheet and profit and loss account and Annual reports for the past three years of the company(s)/firms. Provisional Balance Sheet submitted if any should be in line with statutory requirements.)				
(II)	Any qualifying remarks by Auditors in the Annual Report regarding litigation/contingent liabilities pending with Statutory Authorities			
(III)	Whether the applicant has given any guarantee for the loans raised by other companies/others and if so, provide details thereof.			
(IV)	Major legal cases against the company which may have impact on financial position of the applicant			
(V)	Any qualifying remarks by Auditors in the Annual Report regarding litigation/contingent liabilities in respect where disputes with SEB/Income Tax Department/Machinery Suppliers and other creditors are pending			
(VI)	Any qualifying remarks by Auditors in the Annual Report regarding litigation/contingent liabilities pending with Statutory Authorities			
(VII)	Whether any provision has been made to meet the contingent liabilities			
(VIII)	Reasons for non-provision for depreciation/reduction in value of investments/ sundry debtors			
(IX)	Details of Litigation/Contingent Liability			
	i. Income Tax Demands against which the applicant has gone on appeal			

	ii. Interest Tax	
	iii. Sales Tax Demands against which the applicant has gone on appeal	
	iv. Customs/ Excise demands under dispute, not provided for	
	v. Guarantees issued & Outstanding	

5.4 Whether applicant company or :
Group company's name is in the list
of RBI Defaulter?

5.5 If the company's name is in the list of :
RBI Defaulter, give detail

5.6 Legal Proceedings / Court cases, if :
any, pending against the applicant or
any of the group companies /
associates

If yes, please enclose details

6.0 SECURITY OFFERED :
(Please tick mark)

6.1 Bank Guarantee from a scheduled bank :

OR

6.2 State Government Guarantee :

OR

6.3 Unconditional and irrevocable guarantee of All India Public Financial Institutions
having "AAA" or equivalent rating.

OR

6.4 Equitable Mortgage (Mortgage by deposit of title deeds) of all the immovable
properties; hypothecation of all movable assets, both existing and future, subject
to prior charge of Banks on specified current assets; guarantees by promoters
and/or promoter directors and/or promoter companies and deposit of post-dated
cheques in accordance with repayment schedule of principal loan amount and
interest. :

Note: Pari-pasu charge on the assets instead of Mortgage by deposit of title
deeds and hypothecation of assets shall be taken wherever applicable
specifically in case of Energy Efficiency & joint financing projects

6.5 Details of Guarantors :

Sl. No.	Name of the company/promoter director	% share holding	NetWorth * (Rs. Lacs)
1.			
2.			

* Enclose NetWorth Certificate of each guarantor/company providing Corporate Guarantee Duly certified by C.A. in the Form II

6.6 Additional/collateral Security offered :
located in urban area, if any (Give
details and enclose the valuation
certificate from Govt. Approved
Valuer)

For Security, please refer to the current IREDA's Financing Guidelines. Please note that stipulation of security requirement finally rests with IREDA.

7.0 RISK FACTORS AS PERCIEVED BY THE APPLICANT:

Please indicate list of risk factors in the project as perceived by the applicant as Project Promoter and mitigation measures proposed to be undertaken.

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8.0 EMPLOYMENT GENERATION

Sl. No.	Category	Direct	Indirect
1.	Managerial & Supervisory		
2.	Skilled		
3.	Semi-skilled		
4.	Unskilled		
5.	Others (Please Specify)		

9.0 SOCIAL & ECONOMIC BENEFITS

Benefits	Value
In terms of end-products	
Foreign Exchange Savings	
Import Substitution	
Direct Revenue in terms of excise duty & sales tax to National Exchequer	
Indirect revenue	
<ul style="list-style-type: none"> • Effect on per capita in the region • Creation of Ancillary Industries 	
Any Other (Specify)	

10.0 LIST OF ENCLOSURES :

Documents/Papers	Enclosed (Put tick)	Remarks
i. Demand draft / RTGS / NEFT as applicable to the project as Application Registration Fee towards processing and document charges. (Registration fee is non-refundable)		
ii. Two copies of Detailed Project Report (DPR)		
iii. Certified true copy of Memorandum & Articles Association, Certificate of Incorporation and commencement of Business By-laws and Registration Certificate in case of cooperatives & societies		
iv. Board Resolution to undertake the project		
v. Bio-data of Directors/Promoters		
vi. Copy of Income Tax/Wealth tax/Sales tax return filed by the applicant and the Guarantor(s) for the last three years.		
vii. Copy of Sales tax return in respect of applicant company		
viii. Certificate from Statutory Auditor for registration in Form-I		
ix. Net worth certificate in respect of the Guarantor(s) duly certified by the Chartered Accountant in Form II separately for each Guarantor		
x. Particulars of existing debentures & secured loans in the Form III		
xi. Authority letter to the Bankers to provide any information to IREDA in the Form IV		
xii. Letter authorizing dealing officer(s) & their attested specimen signatures in the Form V		
xiii. Certificate from Statutory Auditors for Group companies in the Format VI		
xiv. Copy of MNRE approval/sanction letter for proposed grid interactive solar PV power generation project		
xv. Certificate(s) from the existing financial institutions & bankers that company's accounts are operating satisfactorily		
xvi. Audited balance sheet and Profit & Loss account/Annual reports for the past 3 years of the company(s).		
xvii. Details of Tenders floated, quotations received tender evaluation report etc. Information / documents as requested in IREDA's RFQ & Quotation Evaluation Report. (In case if financing under International Line of Credit).		
xviii. KYC Formats (A,B,C) Format -VIII,Format-IX,Format-X		
xix. Any other documents (Please Specify)		

a)	Please see sectoral requirement		
b)			
c)			
d)			

11.0 DECLARATION :

I..... the applicant for the loan, hereby DECLARE that,

- i. All information furnished is to the best of my/our knowledge
- ii. No borrowing arrangements except as indicated have been made
- iii. I/we shall furnish all other information that may be required by IREDA in connection with the application
- iv. The information pertaining to us may be exchanged by IREDA with any agency you may deem fit.
- v. IREDA or its nominees or any agency authorized by IREDA may, at any time inspect/verify our assets, books of accounts, etc. in my/our factory & office premises.
- vi. The present proposal of loan is not for cost overrun financing
- vii. The present proposal of loan is not for procurement of any Second-hand equipment and machinery
- viii. The applicant and/or main promoters of the Applicant Company have not been convicted for criminal/economic offences or under national security laws
- ix. The project under consideration ~~is~~ is not commissioned (Please indicate date of commissioning in case the project is already commissioned)
- x. The Applicant Company shall not purchase plant & machinery and give contracts/sub-contracts to the firms & group companies of the Applicant. Further, it is confirmed that the Directors of the applicant company are not interested/connected in other firms/companies from whom machinery are procured or contract and subcontracted are being given without permission.
- xi. Our dues of loan from other financial institutions are being paid on time as per the respective loan agreements. (Not Applicable as ASW is a newly formed SPV and does not have any loans from any financial institution as on date)
- xii. The information given herein and the details in the statements and other papers enclosed as part of the application are, to the best of our knowledge and belief, true and correct in all particulars.
- xiii. The company shall open Trust & Retention Account (TRA) in the Format provided by IREDA, if the same is stipulated by IREDA.

Place: _____ Signature : _____
 Name & Designation : _____
 Date : _____ Name of the Company: _____
 Rubber Stamp : _____

PART 2 – SECTOR SPECIFIC INFORMATION

Concentrating Solar Thermal (CST) Project

1.0 GENERAL

1.1 Proposed Installed thermal Capacity :
of the CST Project

1.2 Proposed location of the Project :
Village :
Taluk :
District :
State :
Telephone/Fax :

1.3 Accessibility to proposed location of the Project

Particulars	Name	Distance from Project Site (km)
Nearest Tehsil/Block HQ		
Nearest Road Head		
Nearest Railway Station		
Nearest Airport		
Nearest Grid/Substation		

1.4 Special Category if any – Location based (Tick as applicable)

NE States & Sikkim	Islands & Estuaries	Hilly Area	Jammu & Kashmir	Deserts	Newly formed states	Not applicable

1.5 Details of proposed Project Land (Please tick appropriate)

1.5.1 Land Nature

Particular	Area	Acquired (Likely date of acquiring in case it is to acquired)	Whether land is Mortgageable (yes/no)
Govt. land			
Pvt. Land			
Forest land			
Other Specify			
Total			

(In case Govt. Land is not mortgageable, please enclose letter from the concerned Govt. Authority)

1.5.2 Land Status:

- a) Nature of the Land
 - Urban /rural/Industrial/Agricultural :
- b) Land area
 - Required/obtained :
- c) Owner of the land as the title of the land :
- d) Whether the land has been purchased or on long term lease (minimum of 20 years) or allotted by the State Government?
- e) Whether all legal clearances obtained for possession of land and its use for setting up a Solar Thermal Plant?
- f) Actual date of possession of land
- g) Access to the site
 - Railhead
 - Road

2.0 TECHNICAL

2.A SOLAR Thermal Off Grid Project

Meteorological parameters for the site:

2.A1 (Full details and source of data to be provided in DPR)

- Height above sea level
- Solar Radiation data
- Temperature data
- Wind data

2.A2 Type of Solar Thermal Collector:

(Please mention the technology used to make thermal collectors)

Whether Indian/International certification obtained for Solar Collectors

(Please enclose recent copy of certificate)

2.A3 Technical Details of Concentrating Solar Thermal Collector:

- Technical specification Solar Collector as per data sheet
- CST Collector output (thermal units)
- Dimensions of a single collector
- Total no. of collectors to be used
- Total CST system capacity

- Details of series/parallel combinations
- Point of Integration of thermal output of CST System:
- Boiler specifications (capacity, make etc.)

2.A4 **Details of mounting arrangement:**

- Proposed tilt angle
- Tracking arrangements with a detailed description of Tracking
- Estimated power losses at various stages and system design details

2.A5 **Details of monitoring and data:**

Logging instruments to be installed at the project site

(Please give item wise details)

Provide description of System measuring steam in kg/ hour or tonne/ hour along with temperature and pressure

2.A6 Any other salient features of the Off grid CST system:

2.A7 Whether the project will be implemented directly or through other agency (please provide details)

2.A8 Details of existing energy / steam generating facility
Existing Fuel
Total capacity
Cost per Kg of steam or KWh of thermal energy

3.0 Procurement Procedure:

3.1 Details of Procurement Procedure followed : Single Quotation RFQ Procedure
 Limited Tender Published Tender
 Any Other

3.2 Detailed Quotation Evaluation Report : Enclosed/ Not enclosed

3.3 Note on procurement with justification for choosing the supplier and item-wise project cost : Enclosed/ Not enclosed

3.4 Mode of implementation of the Project

4.0 COMMERCIAL

4.1 Proposed Project cost Estimates:

Particulars	unit cost (Rs. in lakhs)	Total Amount (Rs. in lakhs)	Reference of purchase orders & invoices
a) Land (acres)			
b) Site Development			
c) Equipment <ul style="list-style-type: none"> • CST Collectors and accessories • Receiver • Steam/ Water storage tanks • Heat Exchangers • Piping • Pumps • Transportation • Installation, testing & commissioning • Civil works for foundation • Any other (please specify) 			
d) Other Civil Works not included in the cost of Plant & machinery (Please specify)			
e) Other Electrical / thermal / mechanical items not included at in the cost of Plant & machinery (Please specify)			
f) Charges payable to State nodal agencies, if any and not included in the cost of Plant & machinery			
g) Statutory expenses service Tax etc., if any and not included in the cost of Plant & machinery			
h) Preliminary & Pre-operative expenses <ul style="list-style-type: none"> • Registration & Front-ends fee • Stamp duty • Any other (Please specify) 			
i) Margin Money for Bank Guarantee/Fixed Deposit Receipt (FDR)			
j) Others, if any (please Specify)			

Total Project Cost			
Copies of Purchase Orders & Invoices if raised enclosed (Invoices are required to be submitted along with the Loan Application for already commissioned projects)			

4.2 PROPOSED MEANS OF FINANCING

PARTICULARS	AMOUNT (RS. IN LACS)
A) Promoter's contribution	
Equity Share Capital	
Internal Accruals	
Unsecured Loan from Promoters, friends, relatives & their associates	
Others, if any – specify	
SUB TOTAL (A)	
B) Term Loan Proposed	
From IREDA	
From Others (FI/Bank)	
*Subsidy, if any	
Sub Total (B)	
Total Project Cost (A+B)	

* (Capital subsidy if available will reduce IREDA's loan)

4.3 Status of S.RC approved EPA (Energy Purchase Agreement) in case of sale to SEB / Third party

- a) Date of signing : _____
- b) Period of EPA (Energy Purchase Agreement) : _____
- c) Tariff Rate : _____
- d) Rate of Escalation : _____
- e) Discount/ penalty clause : _____

4.4 In case of Captive Consumption

- a) Connected Power (MW) OR Current Steam Generation Capacity (Tonnes/hour) : _____

- b) Annual steam / thermal energy consumption (Average) : _____
- c) Copies of Electricity Bills for last 12 months and Summary : Yes/ No
(If not enclosed, please indicate reasons)

OR

Detailed Fuel Cost Analysis (For last 3 years)

4.5

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4.6 Implementation Period:

4.7 Assumptions taken for Performance Indicators :

- a) Installed Capacity (MW) or MW_{th} :
- b) Rate of Interest for proposed loan from IREDA :
- c) Repayment period :
- d) Grace Period :
- e) Direct Normal Irradiation (DNI) : ____ **Kwh/day or KW_{th}**
- f) Average Solar day : ____ **days/year**
- g) Annual O & M Charges :
- h) Annual escalation of O & M Charges :
- i) Electricity consumption of the CST system per annum
- j) Any other (Please Specify) :

4.8 Performance Indicators

- a) IRR (Financial) :
- b) DSCR (Average) :
- c) Pay Back Period :

5.0 ENVIRONMENTAL IMPACT:

5.1

Provide details of environmental benefits expected by putting up Off Grid CST System	

5.2 ANY OTHER SECTOR SPECIFIC INFORMATION:

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5.3 SECTOR SPECIFIC APPROVALS

S. No.	Documents/Papers	Enclosed (Pl indicate Annexure No.)	Remarks
I	Indian Boiler Regulations (IBR) certificate, if applicable		
II	Copy of Sale/Lease Deed		
III	Copy of site map		
IV	Copy of Connectivity Diagram		
VI	Note on Procurement justifying selection of particular supplier		
VII	Copies of Quotation/Purchase Orders and Invoices		
VIII	Copies of Invoices along with the Money receipts from the suppliers		
IX	Detailed cash-flow statements if the same are not annexed with the DPR		
X	Other Clearances (Please Specify)		

Place:

Signature: _____

Name & Designation:

Name of the Company:

Rubber Stamp: _____

Date :

CHECKLIST OF DOCUMENTS REQUIRED

1	IREDA Loan Application Forms
2	Application Registration Fee (non-refundable)
3	Certified true copy of Memorandum & Articles of Association, Certificate of Incorporation and Commencement of Business of applicant
4	Board Resolution to undertake project
5	Audited Annual reports for the past three years of the applicant company
6	Audited Annual reports of the promoter company(s)/ Guarantor company of applicant for last three years
7	Provisional Balance Sheet of the company/Promoter company(s), if last audited balance sheet is more than six months old
8	Authorised letter to bankers of applicant company to provide information to IREDA
9	Letter from their existing bank (s) / Financial institutions regarding status of loan accounts
10	Particulars of existing debentures & secured loans of applicant company
11	Letter authorizing dealing officer(s) & their attested specimen signatures
12	Proposed shareholding pattern of the applicant company certified by competent authority
13	Net worth certificate in respect of the applicant company/ Promoter Company & Guarantor duly certified by the Chartered Accountant
14	Copy of Income tax & wealth tax return in respect of applicant company/ promoter(s)/Guarantor(s) for last three years.
15	Project related documents
16	Detail Company profiles of applicant/holding/guarantor and core business activities
17	Pollution Control Board clearance (if applicable)
18	Finance and Sources of Finance for the project
19	Present shareholding pattern of applicant Company
20	KYC Documents of applicant company
21	Copy of PAN Card

The above list is an indicative list and may be subject to additions as required by IREDA/ FI