

PART B – SECTOR SPECIFIC INFORMATION
ENERGY EFFICIENCY & CONSERVATION

1.0 GENERAL

1.1 Proposed Savings Capacity of the 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)

Particular	Area	Acquired	Whether land is Mortgageable (*)
Govt. Land			(*)
Pvt. Land			
Forest Land			
Other Specify			
Total			

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

2.32 Details of Energy Efficiency Measures/ Equipment (Thermal)

Details of the proposed Energy Efficiency Measure (EEM)	Details of the equipment in which energy efficiency measure is proposed				Expected energy consumption after implementation of EEM (Kcal)	Expected energy savings (Kcal /year)	Expected monetary savings (Rs lakhs) (Give calculations)	Capital investment (Rs lakhs)	Payback (years)
	Name of the equipment	Date of installation	Expected remaining Life (years)	Current energy consumption (Kcal)					

2.4 Procurement Procedure

- 2.41 Basis of selection of the equipment/ Details of Procurement Procedure followed : Single Quotation / RFQ Procedure / Limited Tender / Published Tender / Any Other (Please provide details of procedure adopted)
- 2.42 Detailed quotation evaluation report : Enclosed/ Not Enclosed

2.5 Specific Energy Consumption

	Electrical (Kwh/Kg)	Thermal (Kcal/Kg)
2.51 Pre Implementation of the Project :		
2.52 Post Implementation of the Project :		
2.53 Specific Energy Consumption, Industry Norms if any. :		

2.6 Mode of Implementation

- 2.61 Mode of implementation of the Project : Self ESCO (Consultants)
 EPC Split Packages
 (Please tick appropriate)

2.62 Details of Technical Consultant engaged, if any for DPR preparation & execution of the project

1. Name and address of the consultant who has prepared the DPR :
2. Telephone :
3. Fax :
4. Contact Person :

3.0 COMMERCIAL

3.1 Proposed Project Cost Estimates : Provide both foreign and local currency Cost

Particulars	Cost (Rs. in lakhs)	Taxes/Duties, if any(Rs. In lakhs)	Total (Rs. In lakhs)
Land Cost & Site Development			
Building and Civil Works			
Plant & Machinery			
Training and Technical Know-how Fee			
Miscellaneous Fixed Assets			
Preliminary & Pre-operative Expenses			
Installation, Engineering, Consultancy Fee			
Project Management Fee			
Pre-operative Expenses			
Contingency (%)			
Monitoring & Verification			
Interest During Construction (IDC)			
Margin Money for Working Capital			
Others, if any (Please Specify)			
Total Project Cost			

3.2 Proposed Means of Financing

Particulars	Amount (Rs. in lakhs)	%
A) Promoter's contribution		
Equity Share Capital (please give break-up of sources)		
Internal Accruals (please give break-up of sources)		
Unsecured Loan/ Subordinated Loan (Principal and Interest payable after repayment of IREDA's Loan)		
From Promoters, friends, relatives & their associates		
Others, if any – specify		
B) Term Loan Proposed		
From IREDA		
From Others (please give details like name of agency/bank, loan amount, interest rate, moratorium, repayment period and current status of sanction)		
*Subsidy, if any		
Total Project Cost		

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

3.3 Implementation Schedule : Give PERT Chart separately

Event	Expected Date of Completion
Land Acquisition	
Finalization of Procurement Contract	
Completion of Civil Work	
Delivery of Equipments	
Installation of Equipment	
Test Run	
Technical Commissioning	
Commercial Commissioning	

3.4 Fund Drawl Schedule

Amount	Expected date of Drawl	IREDA Loan	Promoters' Contribution

3.5 Expected month & year of commissioning : _____

3.6 Assumptions taken for Performance Indicator at point No. 3.5

- Rate of Interest, repayment period (incl. Moratorium) for proposed loan from IREDA : _____
- b) Rate of Interest, repayment period (incl. Moratorium) for the loan from others, if any : _____
- c) Electricity Tariff Rate/Fuel Cost escalation per annum : _____
- Capacity Utilization Factor (Main Plant) : _____
- e) Annual O & M Charges : _____
- Annual escalation of O & M Charges : _____
- Depreciation Buildings : _____
- h) Depreciation Plant and Machinery : _____
- Corporate Tax : _____
- j) Minimum Alternate Tax : _____
- k) Any Other (Please specify) : _____

3.7 Performance Indicators

IRR : _____
DSCR (Average) : _____
Pay Back Period : _____

(Please enclose detailed cashflow statements if the same are not annexed with the DPR)

4.0 ENVIRONMENTAL IMPACTS

Provide details of environmental benefits expected by setting up Energy Efficiency /Conservation Project	
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5.0 SOCIAL IMPACTS

Provide details of social benefits expected by setting up Energy Efficiency /Conservation Project

6.0 SECTOR SPECIFIC AND OTHER INFORMATION

6.1 Energy Auditor's/Consultant's Details:

6.11 Name & Address of the Consultant who has conducted Energy Audit : _____

Telephone : _____
Fax : _____
Contact Person : _____

6.12 Number of Energy Audits conducted in the last 2 years in this industry /sector :

6.13 List of facilities / companies where the Consultant conducted Energy Audit in the last 1 year : 1. _____
2. _____
3. _____

6.2 Name & Address of the Consultant who has prepared the DPR : _____

Telephone : _____
Fax : _____
Contact Person : _____

6.3 GIVE FOLLOWING INFORMATION, IF APPLYING LOAN UNDER ESCO SCHEME

- 6.31 Specific Sector :
- 6.32 Details of Technical Collaboration, if any :
- 6.33 Details of the projects handled by the ESCO

No.	Company /Facility name where the project was executed	Industry	Project description	Project duration & Cost	Total energy savings (kwh /kcal /year)	Terms of payment to ESCO
1						
2						
3						

- 6.34 Details of your organisation:

Management chart

Man Power (Tech/ Mgt./Finance etc.)

Specialised fields

Location of Regional offices

Qualification, Experience of the key staffs identified for this project

Any collaboration with International Agency

Market potential

Other details, if any.

- 6.35 Details of current proposal

- 6.36 Details of performance contract

- 6.37 Details of cost and profit sharing arrangement between ESCO and the client

- 6.38 Implementation Arrangement proposed for the project including man-power required and organisational chart proposed

- 6.39 Similar type of project, if any implemented already by ESCO – give the details

- 6.40 Similar type of project whether already working in India. If yes, give details

7.0 SECTOR SPECIFIC APPROVALS /DOCUMENTS

Documents/Papers	Obtained/ enclosed	To be Applied
Schematic diagram of the process/system		
Organization Chart		
Energy Audit Report		
Detailed Project Report(DPR)		
MOU/Agreement with third party etc.		
Copy of Order/Agreement already entered into for installation		
Customer reference list of the proposed supplier of major equipment		
Performance Guarantee from Equipment manufacturer		
Copy of Tender floated/Enquiries made regarding plant and machinery		
Summary of the quotations for major equipments		
State/Central Govt. approvals, if any for setting up project,		
Pollution Control Board Consent for establishment		
List any other statutory approvals		
Note outline reasons for selection of any particular machine supplier or technology supplier		
Copy of Agreement for Sale/Lease of Land		
Other Clearances (Please Specify) a) b)		

Place :

Signature : _____

Date :

Name & Designation : _____

Rubber Stamp : _____