Annex I: Templates

Template title	Contents
Flow chart	Proposal preparation process, tools and templates
WHAT	Product, service, technology and customer description
WHERE	Market, operating and regulatory information-gathering and description
WHO – Champion	Champion and team assessment
WHO – Organization	Inventory of participants and interests
HOW – Definitions	Definitions of terms
HOW – Milestones	Schedule, milestones and metrics
HOW – Step 1	Capital costs
HOW – Step 2	Grants and subsidies
HOW – Step 3	Revenue
HOW – Step 4	Operating costs
HOW – Step 5	Income statement
HOW – Step 6	Financing needs 1
HOW – Step 7	Financing needs 2
HOW – Base case	Base case
WHY	Triple-bottom-line baseline and expectations
WHAT IF	Sensitivity analysis matrix
TO WHOM – Funders	Selecting the appropriate audience
TO WHOM – Funding stages	Customer, donor, lender and investor matrix for different project stages
TO WHOM – Logical framework	Logical framework template
Proposal formats	Product, service and technology-oriented proposal outlines



What? template Product or service Are you offering a product or se	rvice?		
Product	Service	Both	Other
Is the product or service new	w? New to this area	Existing	Other
Have customers seen this pr	roduct or service before?	Yes, exists locally	Other
Product or service description	on		
Need being satisfied			
Technology Technology description			
Reference for further technic	cal details		
Where is this technolog	y Is the technology succe	ssful in those places?	
Globally In this country In this local market Nowhere, it's new Other	Yes Yes Yes		Don't know Don't know Don't know
What is your experience wi	th this technology?	Limited experience	No experience

Are there other technologies that deliver the same product or service?

Yes, these include: No Don't know Other			
What sizes will be available?	What is the estimated customer price?	What is the average price of competitive products?	What is the estimated cost to you?
List the components of the technology	Sources of each component	Alternative sources	ls maintenance required?
Customer What types of customers will Individuals or families	you serve?	Large businesses	Other
Approximately how many cu	istomers will be served in r	next three years?	
Average customer income /	revenue		
Average customer income /	revenue trends		
If there is only one large or c	I few customers, what is th	eir credit rating and track	record of paying bills?

Current product or service being used by this customer: (1) Identify product(s) or service(s) and (2) state reason why customers choose current products or services.

Lower pric	ce 🗌	Lower price	Lower price	Lower price
Better perf	formance	Better performance	Better performance	Better performance
Better relic	ability	Better reliability	Better reliability	Better reliability
Better sup	port	Better support	Better support	Better support
No other	choice	No other choice	No other choice	No other choice
Other		Other	Other	Other
What other con	npanies or progra	ummes are targeting t	nese customers? Are they s	similar to this proposal?
Similar		Similar	Similar	Similar
Not simila	ır	Not similar	Not similar	Not similar
Similar		Similar		
Not simila	ır	Not similar	Not similar	Not similar
		 Similar	 Similar	Similar
Not simila	۱r	Not similar	Not similar	Not similar
Why would aug		hur product or service?		
why would cus	tomers choose ye	or product or service.		
Lower pric	s tomers choose yc ce	Lower price	Lower price	Lower price
Lower price Better perf	s tomers choose yc ce ^f ormance	Lower price Better performance	Lower price Better performance	Lower price Better performance
Lower price Better perf Better relice	s tomers choose yc ce formance xbility	Lower price Better performance Better reliability	Lower price Better performance Better reliability	Lower price Better performance Better reliability
Lower price Better perf Better relice Better sup	stomers choose yc ce formance ability port	Lower price Better performance Better reliability Better support	Lower price Better performance Better reliability Better support	Lower price Better performance Better reliability Better support
Lower price Better perf Better relice Better sup No other	stomers choose yc ce formance ability port choice	Lower price Better performance Better reliability Better support No other choice	Lower price Better performance Better reliability Better support No other choice	Lower price Better performance Better reliability Better support No other choice
Lower price Better perf Better relice Better sup No other Other	stomers choose yc ce formance ability port choice	Lower price Better performance Better reliability Better support No other choice Other	Lower price Better performance Better reliability Better support No other choice Other	Lower price Better performance Better reliability Better support No other choice Other
Lower price Better perf Better relice Better supp No other Other	stomers choose your stomers choose your store formance ability port choice	Lower price Better performance Better reliability Better support No other choice Other	Lower price Better performance Better reliability Better support No other choice Other	Lower price Better performance Better reliability Better support No other choice Other
Lower price Better perf Better relice Better sup No other Other How will you re	stomers choose yc ce formance ability port choice xach these custom s force	Lower price Better performance Better reliability Better support No other choice Other Hers?	Lower price Better performance Better reliability Better support No other choice Other	Lower price Better performance Better reliability Better support No other choice Other
Lower price Better perf Better relice Better supp No other Other How will you re Existing di	stomers choose yc ce formance ability port choice storce storce stributors	Lower price Better performance Better reliability Better support No other choice Other Hers? New sales force Existing distributors	Lower price Better performance Better reliability Better support No other choice Other	Lower price Better performance Better reliability Better support No other choice Other
Lower price Better perf Better relice Better sup No other Other How will you re Existing di	stomers choose yc ce formance ability port choice stributors	Lower price Better performance Better reliability Better support No other choice Other ers? New sales force Existing distributors NGOs	Lower price Better performance Better reliability Better support No other choice Other New sales force Existing distributors NGOs	Lower price Better performance Better reliability Better support No other choice Other New sales force Existing distributors NGOs
Lower price Better perf Better relice Better supp No other Other Mow will you re Existing di NGOs Governme	stomers choose yc ce formance ability port choice stributors ant	Lower price Better performance Better reliability Better support No other choice Other Mew sales force Existing distributors NGOs Government	Lower price Better performance Better reliability Better support No other choice Other New sales force Existing distributors NGOs Government	Lower price Better performance Better reliability Better support No other choice Other New sales force Existing distributors NGOs Government

Where? templat	e		
Market setting			
Where are you located?	2		
Country	Province	District	City/town
Where are your custom	ers located?		
Country	Province	District	City/town
Coomy	Trovince	Disirier	
		-	
What is the population	ef the country (region?		
Country/region/distric	ct/town	Population	
What is the number of e	expected customers?		
Time period	Number of customers		
First six months			
First year			
Second vear			
Full development			
Average income in the	area vou operate in is about	•	
For top 25%			
For middle 50%	_		
For hetter 25%	-		
TOI DOIIOITI 23%	-		
Your local currency is			
Current exchange rate i	n terms of dollar or euro =		
Foreign currency	Local currency		
\$1 is equal to			
€1 is equal to			

Inflation rates (past thr Year 1	r ee years) Year 2	Year 3	
Interest rates for depo	osits		
	For local currency For foreign exchang	e (dollars or euros)	
Interest rates for ban	< loans		
List requirements to o	btain bank loans, such as	collateral, guarantees,	etc.
Any other informatio	n about region/market cc	onditions specific to you	r business
Operating setting			
Property rights mean and benefit from the	n the right to the exclusiv property. In your setting	e use of property and , can property rights b	the right to control, transfer, sell be described as well defined and
In your setting, can	property rights be desci	ibed as well defined c Don't know	ınd clear cut?
The process for pure	chasing and taking posse	ession of land can be a	described as:
Security refers to pe	rsonal safety and the like	elihood that property v	vill be destroyed or stolen.
High	Medium	Low	Dangerous
Corruption refers to t	he need to pay people eit	her to process approva	ls or to protect your rights as a
No corruption	Low	Medium	High

The process for hiring a	nd firing workers/employ Not so Difficult	ees can be described as Difficult	
The process for obtainin	g credit/loans can be des Slow/costly	cribed as: Don't know	
Interaction with inspector	rs and other public officia	Is can be described as:	Difficult
Contract enforceability p	processes can be describe	d as: Slow/lengthy	Difficult
Are reliable contractors	easily available?	Don't know	
The cost of reliable cont	ractors can be described o	as: High	

Infrastructure cost

Annex I: Templates

Cost of	Сс	Can be described as			
		Low		Medium	High
Transportation of goods			1		
Transportation of people					
Electricity					
Gas			1		
Fuel oil			1		
Telephone			1		
Mobile phone					
Water					

Any other information about operating setting specific to your business

Regulatory setting		
Do you need a permit to start the business?		
Yes	No	Don't know



Who? template

Champion self-assessment

What is your main motivation for starting this business?

Earn a regular income		
Be involved day to day		
Be involved only part time		
Earn a one-time fee or lum	ip-sum payment	
Create a valuable business over time by growing it slowly		
Engage family members		
Gain experience		
Improve the well-being of	a particular community	
Improve the environment		
Other	Please specify	

Skills assessment

Do you have any experience in sales or marketing?

Identifying customers for the product or services of a business and developing a pricing, advertising and promotion strategy to attract them.

	Yes
--	-----

No

If yes, indicate your experience level:

Very experienced

Experienced

Some experience

A little experience

Knowledge but no experience

Describe where your experience was gained:

Do you have any experience running a business?

Operating and maintaining a cost-effective business. Overseeing and coordinating all of the participants in the business with respect to the company's mission, performance, schedule and budget.

	Yes
--	-----

No

If yes, indicate your experience level:

Very experienced Experienced Some experience

A little experience

Knowledge but no experience

Describe where your experience was gained:

you have any o	experience in financial planning?
Estimating th	e financial requirements of a business and preparing a mix of financing alternatives,
including find	ancial analyses such as cash flows, income statements and balance sheets.
Yes	No
, indicate vou	ur experience level:
Experience	
Lxperiend	
Some ex	Derience
Knowled	ge but no experience
Describe wh	ere your experience was gained:
you have any o Understandir Yes	experience dealing with laws or regulations? Ing and complying with the relevant rules and regulations governing a business.
you have any o Understandir Yes s, indicate you Very exp Experiend Some ex A little ex Chowled Describe wh	experience dealing with laws or regulations? Ing and complying with the relevant rules and regulations governing a business. Ino Ino Ino Ino Ino Ino Ino Ino
you have any o Understandir Yes yes, indicate you Very experiend Some ex A little ex Knowled Describe wh	experience dealing with laws or regulations? Ing and complying with the relevant rules and regulations governing a business. Ing No In experience level: Perience Perience P
you have any o Understandir Yes es, indicate you Very exp Experient Some ex A little ex Mowled Describe wh Understandir Some ex A little ex Mowled Describe wh	experience dealing with laws or regulations? Ing and complying with the relevant rules and regulations governing a business. No rexperience level: erienced berience ge but no experience ere your experience was gained: experience negotiating? reements with different parties, such as contractors, customers, government authoritie
you have any of Understandir Yes s, indicate you Very exp Experiend Some ex A little ex Knowled Describe wh Uescribe wh Reaching ag employees.	experience dealing with laws or regulations? Ing and complying with the relevant rules and regulations governing a business. No recent experience level: erienced berience ge but no experience ere your experience was gained: experience negotiating? reements with different parties, such as contractors, customers, government authoritie

Some experience A little experience Knowledge but no experience Describe where your experience was gained:
Do you have any experience dealing with banks or investors?
Raising debt and equity and building business relationships that result in cost-effective sources of capital.
If yes, indicate your experience level: Very experienced Experienced Some experience A little experience Knowledge but no experience Describe where your experience was gained:
De veu have any experience in design environment of construction?
Design: Detailing the requirements of a physical project or product and finding resources to achieve the desired performance. Engineering: Preparing the detailed civil, mechanical, structural and electrical specifications of a product or project and supervising its physical implementation in a way that achieves desired performance at reasonable cost. Construction: Preparing the site, installing equipment and preparing for operations in accordance with project specifications, budget and schedule.
If yes, indicate your experience level: Very experienced Experienced Some experience A little experience Knowledge but no experience Describe where your experience was gained (and what type of design or engineering):

Are you a professional engineer?

Yes

Yes

Do you have any experience in buying or obtaining supplies for a business?

No

Buying equipment, products and services needed to implement a project in a cost-effective manner.

If yes, indicate your experience level:

Very experienced Experienced Some experience A little experience Knowledge but no experience

Describe where your experience was gained:

Do you have any experience in monitoring or evaluating performance?

Maintaining a system of performance measurement and evaluating performance against original plans and benchmarks.

Yes



If yes, indicate your experience level:

Very experienced

Experienced

Some experience

A little experience

Knowledge but no experience

Describe where your experience was gained:

Additional skills needed to run the business

Skills needed Explain how you will overcome this obstacle (e.g. finding a team member with this skill)		Explain how you will overcome this obstacle (e.g., through finding a team member with this skill)
1		
2		
3		
4		
5		

Champion's team assessment

Do you have a team of people who will help you with your business?

Yes

No

Names:

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Are these people mostly:

Friends
Family
Members of the community
People you don't know very well
Other Please specify

The reason(s) these people are involved:

They have specific skills	
Desire to help	
Desire to earn money	
Desire to learn	
They own property neede	d for the project
Good reputation	
They are providing capita	l
Other	Please specify

Describe the skills your team members have (check all that apply):

-

Marketing			
Legal address:			
District	City/town	Province	
Country			
Legal status: Incorporated business Unincorporated business Community organization Non-profit organization Other	Please specify		
Owner(s):	Percentage of ownership:		
Management Position Managing Director Technical head Finance head	Name(s)		

Annex I: Templates

IT head Board of Directors			
Accountants			
Lawyers			
Other			
Does this organization have a bank ac	icount? No		
Who has control and authority over the organization's budget?			
Briefly describe the organization's history:			
Similar products or services Are there any companies or organizations offering similar products or services?			
Organization	Product or service	Similarities/differences	
2 3			
5			

Raw materials or products

	Organizations supplying raw materials	Raw materials supplied	Status of the contract
1			
2			
3			
4			
5			
6			

Specialized services

	Organization supplying specialized services	Type of specialized service provided
]		
2		
3		
4		
5		
6		
7		
8		
9		

Potential types of specialized services:

Design

Construction

Technical analysis

Legal advice

Environmental assessment

Social development

Accounting

Negotiations

Financial advice

Monitoring and evaluation

Engineering

Carbon benefit

Other (please specify)

Land

Land requirements

	Location/description	Owner	Status of the contract
1			
2			
3			

4		
5		
6		

Approvals

	Organizations whose approval is needed to go ahead with the project	Approvals needed
1		
2		
3		
4		
5		
6		
7		
8		

Potential types of approvals needed:

Use of public land

Operational permit

Safety

Health

Materials

Business

Incorporation

Tax

Other (please specify)

Stakeholders

	People or organizations who have an interest in or will be affected by the project	Why are they interested? How will the project impact them?
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

late
٩
Ξ
Ð
2
Š
0
T.

Definitions

-	Terms that relate to the income statement	Terms that relate to the balance sheet
regend	Terms that define financial ratios	Terms that relate specifically to the project
Financial terms to learn		
Revenues	Definition	Notes
Revenues	Revenues represent what customers are expected to pay for goods and services offered. To investors, revenue is less important than profit, or income, which is the amount of money the business has earned after deducting all the business's expenses	It is very important to take the time to itemize the assump- tions regarding both the number of units which will be sold and the price per unit. Arbitrary assumptions about price increases should be avoided
Direct costs	Those costs (labour, material, and other direct costs) that can be consistently related to work performed on a particular project	Also called the cost of goods sold, the cost of services provided, or production costs
Gross margins	Gross margins represents revenues less cost of goods sold	This is one of the most important short-run planning figures
Operating costs	The day-to-day expenses incurred in running a business, such as sales and administration, as opposed to produc- tion	Also called operating expenses
Earnings before interest, taxes, depreciation and amortization (EBITDA)	Net income before tax + interest expense + income taxes + depreciation + amortization	EBITDA reports a company's profits before interest on debt and taxes to the Government are subtracted. It is also called net operating income
Interest	Interest is a surcharge on the repayment of debt (bor- rowed money)	Interest rates may be variable or fixed
Income taxes	Income taxes represent amounts owed to governments based on the profitability of a project or facility	Estimates should be considered "allowances for income taxes"
Depreciation and amortization	The decline in value of an asset over a period of time	Depreciation/amortization is a charge against earnings to write off the cost of an asset over its estimated useful life. It reduces taxable income but does not reduce cash.
Net income	Net profit; the amount of money left over after all costs have been paid	

Assets	What a firm or individual owns	Fixed assets include land, machines and buildings; current assets include cash, money owed, inventory and work in progress; intangible assets include goodwill, trade marks and patents; liquid assets are funds kept in cash or in a form that can be quickly and easily turned into cash
Liabilities	Anything that is owed to someone else (debts and obliga- tions)	Current liabilities are debts due and payable within one year. Long-term liabilities are those payable after one year
Equity	The amount of money that the company owners have in the company	This refers to the difference between a company's assets and liabilities – that is, the value that accrues to the own- ers. Also called owners' equity or shareholders' equity.
Debt service coverage (DSC)	Debt service coverage is the combination of principal and interest to be paid on a loan	Lenders may restrict the amount of cash that can be distrib- uted to investor-owners to make sure that there is sufficient DSC. They can insist that certain debt service coverage tests be met or they can insist on reserves being set aside for future debt service before payments to investors-owners (called dividends) can be made.
Debt service coverage ratio (DSCR)	The number of times (e.g., 1.2) by which annual revenues after operations and maintenance costs exceed annual debt service (principal and interest)	This is a measurement of a project's ability to repay a loan from revenues. The higher the DSCR, the lower the risk to the lender. This ratio is used by lenders to provide a cushion between the amount of funds remaining after payment of a project's operating expenses and the annual mortgage or debt payments. Usually, lenders like to see a DSCR of over 1.40:1
Current ratio	Current assets divided by current liabilities	This ratio should be 1.0 or greater for liquidity. If it drops below 1.0, the ability to pay bills is impaired. Usually, lenders require a cushion such as 1.25:1
Debt to equity ratio	Long-term debt divided by shareholders' equity	This is a measurement of financial leverage – the use of borrowed money to enhance the return on owners' equity. High ratio may indicate high risk, low ratio may indicate low risk.
Internal rate of return (IRR)	The internal rate of return is the discount rate that will cre- ate a zero net present value	Internal rate of return indicates the business return accord- ing to alternative return that may be gained on the same investment

If it is now 2006 and the proposal will be built during 2007 and begin operation in 2008, then 2009 is year	1, 2008 is year 0 and 2007 is year minus 1. These terms allow us to relate construction and operations activi- ties to each other.	It is important to recognize the difference between pay- ments to others and keeping track of the time (and its value) spent by the Champions.	The template will automatically and very roughly estimate something called "interest during construction" which is a real cost incurred while a project or facility is being prepared but before it produces revenues.	Important: If this proposal is to receive a grant or a subsidy the amounts being requested should be clearly identified and separated from those already obtained.
Equals the year operations start	Equals one year after start of operations	Planning costs represent the expenditures that must be made for a proposal to be readied to begin construction.	Construction/pre-operations costs represent the expendi- tures made to actually build a project or put in place the facilities to deliver a product or service	Grants can reduce the construction or pre-operation cost of a project or the facilities to provide goods or services. The operating grants lower the cost of the product or service being offered.
Year 0 Year 1		Planning costs	Construction / pre-operations costs	Grants and subsides

How? template

Milestones			
To do list	To be done by (month)	Responsible person	Cost
Stage of planning milestones			
Completion of planning	Month 0		
All the factors that go into a plo which something is feasible or	an have been io infeasible are c	dentified and are understood clear	. The conditions under
Set up new enterprise	Month 0		
Factors regarding benefits of ir or partnership) and the implica	ncorporating (ra tions that incorp	ther than operating business porating may have should be	as a sole proprietorship considered
Financial structuring	Month 0		
Financing structure is arranged How will the financial structure	. Where will the evolve over tim	e monies come from? Where ne? The bank account should	will the monies go? be opened
Authorization milestones			
Closing	Month 0		
Financing contracts, construction or cross public lands or use na to provide a service in a partic must all come together	on contracts, lar tural resources, cular region, co	nd purchase or leases, appro contracts to sell the output of ntracts to provide fuel, equipr	vals to build or operate what is being built or ment, transport and staff
Construction or pre-operation	s milestones		
Completion of civil works	Month 1		
Site acquisition, procurement, o	civil works, insta	allation and commissioning	
Buildings	Month 3		
Purchase/lease production fac commissioning	ility. Building co	onstruction if needed, civil wo	orks, installations and

Equipment installation

Equipment installation and acceptance testing complete

Month 4

Human resources Month 5

Selection of management, skilled workers and semi-skilled workers should be carried out

Opening of office/branches Month 6

Purchase/lease office; open branches

Operations milestones Start-up Month 7

This refers to a period when the results of construction or pre-operations are ready to be tested and accepted. This can be a hand-off of responsibility from the entity building something to the entity responsible for operating it

Production setup Month 7

Ordering supplies and production materials should be complete

Routine maintenance

Ongoing

Routine maintenance schedule should be complete. This includes: How will the project be operated and maintained? Will its value grow or shrink over time? After it is built, should major repairs and refittings be expected? How will routine matters be handled? What records will be maintained? How will these be shared and discussed? How will decisions be made? How often, and based on what documents?

Major maintenance

Ongoing

Major maintenance/rehabilitation schedule plan should be complete. This includes: How will the project be operated and maintained? Will its value grow or shrink over time? After it is built, should major repairs and refittings be expected? How will non-routine matters be handled? What records will be maintained? How will these be shared and discussed? How will decisions be made? How often, and based on what documents?

Performance reporting

Ongoing

Financial reporting schedule should be established. How often will the company report its performance. Monthly, quarterly, annually? Who will keep track of the company's finances? Who will prepare the financial statements? Who will audit the financial statements?

Exit milestones

Exit plan

Ongoing

An exit plan should be in place. Prepare for the 4 Ds of a business exit strategy. death, disability, divorce, departure (of one of the partners)

How? template (Step 1)

Capital costs

Capital costs are planning and construction costs

Planning costs represent the expenditures that must be made for a proposal to be readied to begin construction. It is important to recognize the difference between payments to others and keeping track of the time (and its value) spent by the Champions.

An input sheet is shown below. These data will be used to come up with the initial base case.

	Planning costs		Year -2	Year - 1	Year O
P1	Obtaining all permits	_			
P2	Technical analysis	-			
P3	Negotiating and pre- paring contracts	_			
P4	Negotiating and pre- paring contracts	-			
P5	Technical analysis	-			
P6		-			
P7		-			
P8		-			
P9		-			
P10		-			
	TOTAL	_	-	_	-

All figures are in local currency

Next we examine construction/pre-operations costs.

Construction/pre-operations costs represent the expenditures made actually to build a project or put in place the facilities to deliver a product or service. This part of the template will automatically calculate rough estimates of something called "interest during construction", which is a real cost incurred while a project or facility is being prepared but before it produces revenues. If you have no interest expenses, please adjust the cell to 0%; otherwise, adjust for the appropriate interest rate.

		All lightes die in local conency						
	Construction/pre- operations costs			Year -2	Year - 1	Year 0	Year 1	Year 2
C1	Land acquisition							
C2	Final engineering and design							
C3	Machinery							
C4	Machinery							
C5	Machinery							
C6	Machinery							
C7	Testing							
C8	Testing							
С9	Testing							
	Subtotal		_	-	-	-	-	-
C10	Allowance for annual interest during construc- tion =	-	-	-	-	-	-	-
	TOTAL		_	-	-	-	-	-

All figures are in local currency

Now that we have the capital costs in place, let us move to the next sheet and fill in the amounts that have been received in grants and subsidies.

How? template (Step 2)

Grants and subsidies

Capital grants and operating subsidies serve two different purposes:

- (1) They can reduce the construction or pre-operation cost of a project
- (2) They can lower the cost of the product or service being offered

Important: If this proposal is to receive a grant or a subsidy, the amounts being requested should be clearly identified and separated from those already obtained.

As for step 1, a sample of the sheet is shown below, with data which will be used throughout the sheets

	Grants and subsidies	Year -2	Year - 1	Year 0	Year 1	Year 2
1	For planning or construction/ pre-operation					
	NEW requests					
	Existing or other requested grants and subsidies					
2	For operation – NEW					
	For operation – existing or other requested					
	TOTAL	_	_	_	_	_

Now that we have the grant and subsidies in place, let us move to the next sheet and fill in the amounts that have been received or are expected under revenue.

How? template (Step 3) Revenues Revenues represent what customers are expected to pay for goods and services offered.

It is very important to take the time to itemize the assumptions regarding both the number of units which will be sold and the price per unit. This spreadsheet usually takes a while longer to complete, but it is an important step in determining the financing needs of the project. Arbitrary assumptions about price increases should be avoided. Be conservative in your estimates.

	Revenues	Year 1	Year 2	Year 3	Year 4	Year 5	Year ó	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12
	Units												
	Revenue per unit												
R]	Revenue from 1												
	Units												
	Revenue per unit												
R2	Revenue from 2												
	Units												
	Revenue per unit												
R3	Revenue from 3												
	Revenues	1	1	I	I	1	I	I	I	I	1	1	1

Now that we have calculated the revenue stream, we can move to the last segment needed for building our income statement (the operating costs).

Operating costs include the costs incurred to provide a product or service (also known as the cost of goods sold) and the costs of running the company or of managing the team and administering the proposal's implementation.

	Operating costs	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
0]	Labour										
02	Rent										
03	Communications										
04	Materials										
05											
90											
07											
08											
60	General and administrative costs										
	TOTAL	I	I	I	I	I	I	I	I	I	I

All figures are in local currency

This sheet will help us create the projected income statement and calculate the proposal's earnings before interest, taxes and depreciation (EBITDA). The next sheet will be built up using data from steps 1-4.

How? template (Step 5)

Income statements

The cells in this sheet have already been linked. All changes made in steps 1-4 will have flowed through to here.

Results	Total, all years	Year -2	Year -1	Year 0	Year 1	Year 2	Year 3	Year 4
Planning costs	-	-	-	—				
Construction/pre- operations costs	-	-	_	_				
Capital costs	-	-	-	-				
Grants and subsides								
For planning, construction or pre- operations	-			-				
For operations	-				-			
Grants and subsidies	-	-	-	-	-	_	-	-
Revenues	-				-	_	_	_
Operating costs	_				-	_	_	_
Net revenue from operations	-	-	_	-	-	-	-	-
Operating grant	-				-			
EBITDA	-	-	-	-	-	-	-	-
Simple feasibility test		-	-	-	_	_	_	-

This pre-tax rate of return is a very important guide for determining sources of funding to seek and the type of financial plan to explore.

Rough guidelines on pre-tax rates of return

- If the pre-tax rate of return is negative, revenues and grants cannot cover the capital and the operating costs of the proposal. Without additional grants or subsidy, the proposal is probably not financially viable.
- If positive, but below 5%-7%, the proposal is financially self-sustaining but may be of limited interest to the private sector. Specialized lenders-investors-donors who value development, environmental and market transformation impact may consider such a proposal.

- If positive, and over 5%–7%, the proposal's financial details (especially its tax implications, debt structure and any additional revenues) need to be developed further and different financing schemes considered; the result may or may not be of interest to the private sector. Specialized lender-investor-donors who see the blended value potential of investments are likely to be targets.
- > If over 10%, the financial details need to be developed with a strong bias towards engaging private-sector investors and lenders.

How? Template (Step 6)

Financing needs

From previous steps, we know the following:

Capital costs	-
from grants	-
Balance	_
Owner's equity investment	
Balance to be raised	-
Equity from new owner-investors	
Balance to be raised from loans	_



The amount of cash you are investing, including any fees earned as part of the capital cost.

These are the funds to be raised in return for a share of ownership and profits generated by what is proposed.

This is the percentage of debt in loans needed to finance the venture in year O. The higher this is, the more risk the lender is taking.

Debt to equity ratio. Amount of debt compared to the amount of equity in the business.

There are many different ways to calculate debt service. Three such methods are illustrated below:

1	Interest only for a time (e.g., three years), followed by fixed payments of combined principal and interest (p+i) until the loan is repaid
2	Equal payments every year
3	Equal principal payments every year with declining interest payments

The objective of the following exercise is to determine whether a loan makes sense and if so what type of terms that loan should have. When seeking a loan, annual debt service coverage calculations are important.

Method 1

Loan amount

Assumed interest rate Number of years of loan



0

It is best to use the real rate of the loan

Please fill in the blanks

Will apply for years 1, 2, 3

Will apply for year 4 onwards

Year	1	2	3	4	5	6
	-	-	-			
				_	_	-
Debt service	_	_	_	_	_	-
Loan Balance	_	-	_	_	_	-
i	_	-	_	_	_	-

Method 2



Will apply as a constant debt service for all years

Year	1	2	3	4	5	6
Debt service	-	-	-	-	-	-
i	_	-	_	-	_	_
Loan balance	-	-	_	-	_	-

Method 3



Will apply as a constant debt service for all years

Year	1	2	3	4	5	6
р	-	-	-	-	-	-
i	_	_	_	_	_	-
Debt service	_	_	_	_	_	_
Loan balance	-	_	_	_	_	-

Year	1	2	3	4	5	6
EBITDA	-	-	-	-	-	-
Method 1	-	-	-	-	-	-
Method 2	_	-	-	-	_	-
Method 3	_	_	_	_	_	_

In order to make a determination, we need to calculate the Debt Service Coverage Ratio (DSCR) as follows: The table is set up to do it automatically for you. The higher the ratio the better, but not too high!

Year	1	2	3	4	5	6
Method 1	-	-	-	-	-	-
Method 2	-	-	-	-	-	-
Method 3	_	-	_	-	_	-

Things to keep in mind:

- Lenders tend to worry about DSCRs that are 1.4 or less.
- Lenders may restrict the amount of cash that can be distributed to investors/owners. They can insist that certain debt service coverage tests be met.
- Lenders can insist on reserves being set aside for future debt service coverage before payments to investors/owners (dividends) can be made.

Year	1	2	3	4	5	6
Debt Service	-	-	-	-	-	-
i	_	-	-	-	-	-
р	_	_	_	_	_	-

After determining the best debt service coverage method for the venture we can focus on the last piece of the financial puzzle.

How? template (Step 7)

Financing needs 2

Depreciation/amortization is a charge against earnings to write off the cost of an asset over its estimated useful life. It reduces taxable income but does not reduce cash.

Capital equipment degrades at different rates. Such rates are available from your local tax authority.

Sample

Class 1: Describe asset

Number of years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Amount										
Class 2: Describe asset										
Number of years										
Amount										
Class 3: Describe asset										
Number of years										
Amount										
Depreciation allowance										

We can now work out the corresponding income taxes and residuals.

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Net income	-	-	-	-	-	-	-	-	-	-
Minus interest expense	-	-	-	-	-	-	-	-	-	-
Minus depreciation	-	-	-	-	-	-	-	-	-	-
Taxable income	-	-	-	-	-	-	-	-	-	-
Rate: Use the appropriate rate	25%									
Allowance for income taxes	-	-	-	-	-	-	-	-	-	-

Apply the income tax rate only if taxable income is greater than zero

How? template (base case results)

	Spread out over two years							
		Year	Year -2	Year -1	Year O	Year 1	Year 2	Year 3
Capital cost								
from donors	Capital grants			¥				
from owner-investors	Equity investment		-	-	-	-%	of total v	alue
from lenders	Loans		-	-	-	-%	of total v	alue
	Capital cost	-	-	-				
Operations		Year	Year -2	Year -1	Year O	Year 1	Year 2	Year 3
Revenues	-					-	-	-
Operating grants or subsidies	-					-	-	_
Operating costs	-					-	-	-
Net revenues from operations (EBITDA)	For lengt – loan onl	th of y				-	-	_
Interest	-					-	-	-
Taxes						-	-	_
Depreciation						-	-	_
Net income						-	_	-
Add back: Depreciation						-	-	-
Less: Amortization/ principal payments	_					_	-	-
-	— IRR	-	-	-	-			
DSCR	-	X				-	-	-
	Average					By year		
Actual debt service cover	age ratio for the venture	9		turns for in	westers w	hich diffor	from the s	aratav

The following table represents the venture in operation. It brings forward data from How? templates steps 1-7.

Actual returns for investors, which differs from the pre-tax IRR used for the simple feasibility test because it takes taxes and loans into account.

Why? template Financial returns
Why will the proposal be profitable?
Strong demand Urgent need Lack of alternatives
Government incentives Other
If "Other" was chosen above, please expand
Have other projects/enterprises tried to be profitable in serving this market?
If yes, have these failed? Why?
Why is your proposal different?
Why do you expect to succeed?
What resources – services and funding – do you think are essential to your success?
What amount of equity do you have or project to have in your enterprise?

What amount of third-party equity from partners/associates do you have or project to have?

What amount of third-party leverage do you need from a financial institution?

What kind of funding do you nee	Investment		
From what kind of institution?	Government-spon	sored development institutic	ons and banks
Charitable foundations	Socially responsib	ble investment fund	Venture capital
What is the projected interest rate	e range that can be pai	id to a lender?	Over 12%
What are the projected investment Under 1 year	nt terms (i.e., length of t	time for loan or investment) 3-5.99 years	? Over 6 years
What is the projected internal rat	te of return?	10%-14.99%	Over 15%
What is the projected growth in r Under 5%	net assets over the inves	tment term?	Over 15%
Has this proposal received any g	rants/subsidies?	If yes, how much?	
Is this proposal expected to receiv	ve any grants/subsidies	;? If yes, how much?	

If yes, who provided (or is expected to provide) the grants and/or subsidies?

Will audited financial statements be available for review on an annual basis? Yes
If no, why not?
If no, what kind of financial statements will be available for annual review?
Indicate the size of the group who will reap financial benefits from this proposal Individual Small group Community/region Country
Provide an indication as to the length of time anticipated before profits are realized Immediately 1–3 years 4–6 years 6+ years
Why would customers choose the product and/or service over those currently available? New Improvement Lower cost Better quality
Discuss potential negative financial impacts from your proposal that could offset some of the benefits discussed above

Social and development impacts

With respect to your proposal, check all of the following social/development impacts that are applicable for your country/region

Better health	Quality of life Education Job creation
Jobs for women	Eliminate child labour Income generation Water quality/ access
Saves time	Better food production Energy efficiency Other
Definitions:	
Better health	Less smoke, more light; better ventilation, sanitation and waste disposal
Quality of life	Level of well-being, i.e., access to electricity for home/shop/community centre
Education	Increased income to finance formal education or electricity for school
Job creation	Creation of more or better gainful employment opportunities
Jobs for women	Creation of gainful employment opportunities specifically for women
Eliminate child labour	Improvement in productivity that ensures child labour not needed; time for education
Income generation	Stimulation of economic development in the region through energy services
Water quality/access	Better access to water; higher quality of water
Saves time	Higher productivity through energy services; more free time available
Better food production	Improved food production through safe food storage, lighting, etc.
Energy efficiency	Same level of end-use services (e.g., lighting, heating) with less electricity or reduced economic costs and environmental impacts

If 'Other' was chosen above, please expand

Explair (1)	n which three of the above answers will have the highest positive impact
(2)	
(3)	

Projected amount of clean energy generated from this proposal (MWh) per year						
Under 1,000	1,000-9,999	10,000-50,000	Over 50,000			
Projected number of house	nolds served through this pr	oposal per year				
Under 100	100-999	1,000-10,000	Over 10,000			
Projected number of people	e provided with access to m	odern energy services throu	igh this proposal			
Under 100	100-999	1,000-25,000	Over 25,000			
In the direct new jobs creat	ed by your enterprise, how	much will each employee e	arn per year?			
Under \$250	\$250-\$499	\$500-\$1,000	Over \$1,000			
Projected number of jobs cr	reated or sustained through	this proposal				
Under 5	5-10	11-20	Over 50			
Provide an indication as to	the timeline of the social/de	evelopment impact of your	proposal			
Initial impact only	1–3 year impact	4–6 year impact	>6 year impact			
Why is this proposal important for your country/region?						
Discuss potential negative social/development impacts from your proposal that could offset some of the benefits discussed above						

Why should your proposal be supported over other proposals?

Environmental benefits

Identify the positive environmental impacts which your proposal will offer

Water quality/access	Reforestation	Decreased reliance on fossil fuels				
Improved soil quality	Reduced emissions	Decreased waste				
Less landfill material	Greater biodiversity	Decreased reliance on basic fuels				
Improved air quality	Energy efficiency	Other				
Definitions:						
Water quality/acces	s Better access to	cleaner water				
Reforestation	Planting or seedi	ng an area where forest cover has been removed.				
Fossil fuels	Decreased usage	Decreased usage of carbon-based energy sources: coal, oil, natural				
Improved soil quality	gas Measures relatec factors	gas Measures related to both productivity of crops and environmental factors				
Reduced emissions	Reduced release atmosphere	Reduced releases of greenhouse gases into the atmosphere				
Decreased waste	Eliminates sawdu	ist/biomass waste				
Less landfill material	Using landfill ga	s as an alternative to conventional fuels				
Greater biodiversity	Lower environme organisms	Lower environmental impacts to allow for greater number/variety of organisms				
Basic fuels	Decreased usage	e of fuelwood, kerosene and charcoal				
Improved air quality	Air status in terms	s of pollutants a by-products of energy production				
Energy efficiency	Same level of en electricity or redu	d-use services (e.g., lighting, heating) with less aced economic costs and environmental impacts				

If 'Other' was chosen above, please expand

Explain which three of the above answers will have the highest positive impact

(1)

(2)

(3)						
Provide an indication as to the timeline of the environmental impact of your proposal						
Initial impact only	1–3 year impact	4–6 year impact	>6 year impact			
Do you think your propo	osal will qualify for carbon cre	edits?				
Yes	No	Unknown				
If yes, please explain wh	ny and when you think your p	roposal will qualify for carb	on credits			
Projected amount of CO Under 10 If no or unknown, please	2 offset per year (in tonnes)	26-50	Over 50			
Projected number of tree	es planted					
Under 10	10-50	51-100	Over 100			
Projected number of litre	es of clean water generated (t	housands)				
Under 2,500	2,500-4,999	5,000-7,500	Over 7,500			
Projected number of additional households with access to clean water						
Under 100	100-999	1,000-10,000	Over 10,000			
Projected number of bar	rels of oil displaced					
Under 2,500	2,500-4,999	5,000-7,500	Over 7,500			

Projected number of litres of kerosene displaced (thousands)				
Under 500	500-999	1,000-1,500	Over 1,500	
Projected amount of fuelwo	od displaced (kg) (000's)			
Under 5,000	5,000-7,499	7,500-10,000	Over 10,000	
Projected amount of charce	oal displaced (kg) (thousand	s)		
Under 5,000	5,000-7,499	7,500-10,000	Over 10,000	
Why do you feel your prop currently available product	oosal will result in greater en s/services?	vironmental benefits than t	nose achieved from	
Diama and a data and a				

Discuss potential negative environmental impacts of your proposal that could offset some of the benefits discussed above

What If? template

Contingency planning

What If things do not go as planned? Professionals know that very few things roll out exactly as planned. A proposal needs to show a mastery of the key events that can alter cost, timing, service delivery and outcome. The Champion can demonstrate how he or she will deal with these contingencies.

Variable	What If	IRR	Average DSCR	Social impact	Environmental impact
Capital cost	5% higher, all equity				
	10% higher, all equity				
Operating costs year 1	15% higher				
	20% higher				
Operating costs year 2	20% higher				
	25% higher				
Revenue year 1	20% lower				
	25% lower				
Revenue year 2	10% lower				
	15% lower				
Transportation costs	10% higher				
	15% higher				
Raw materials costs	10% higher				
	15% higher				
Construction costs	15% higher				
	25% higher				
Exchange rate	goes 5% against you				
	goes 7% against you				
Taxes	Increase by 5%				
	Increase by 7%				
Regulation	Unfavourable changes				

Primary source of raw materials	Dries up		
	Alternative 20% more costly		
Construction schedule	Delayed by three months		
	Delayed by six months		
	Delayed by nine months		
Key personnel	Leave the job		
Flooding	Hits the area		
Rainfall	Decreases sharply		
Customer response	Does not improve in three months		
	Does not improve in six months		
Competition	Resorts to price wars		

To Whom? template

Directing your proposal to the appropriate audience

Estimated pre-tax rate of return

See funding matrix

Estimated rate of return	Type of funding
Negative or zero	Grants and subsidies
Zero to between 5 and 7 per cent	Donors and investors who consider social and environmental returns as well as financial ones
Over 5–7 per cent	Specialized lender-investor-donors who see the blended value potential of investments are likely targets
Over 10 per cent	Private-sector investors and lenders

Types of donors (D), lenders (L) and investors (I)				
	Type of Enabler	Type of money provided	Expectations/needs	
D	Donors and specialized programmes	Grants	The donor will expect that the grant will be used either as an addition to revenue to run the	
D	Government-sponsored programmes	Grants	of the proposal so that loans and equity will cover the balance (capital grant). Donors need	
D	Charitable organizations	Grants	to understand why the plan is an efficient use of scarce resources, where the plan fits in with other	
D	Multilateral development organizations	Grants	programmes and priorities, how the proposal meets the donor's stated core objectives and, very importantly, what will happen when the donor funding is used up.	

L	Government-sponsored subsidy programme	Revenue	The providers expect that revenues will cover the cost of the product or services and contribute to the operation of the business (including repay- ment of loans). The expectation is that left-over revenues are first applied to the providers of equity; then to other operating expenses (these would include taxes, for example, and any inter- est on loans); and, finally, to loan payments (such payments are called principal or amortization, while the combination of principal and interest on loans is called debt service).

L	Government-sponsored development institution	Loans	Lenders expect a very specific set of pay- ments over time. Requirements are usually well
L	Commercial banks	Loans	in advance and over the course of the loan.
L, I	Socially responsible and specialized investment funds	Loans, equity	Lenders do not want to take risks. Lenders want to be repaid and, if the business cannot make that repayment, they want to know that others will make the payment or that assets of equivalent value are available to reimburse them. Loans are made to fund the construction of a project or the purchase of goods or the provision of services where the revenues from the goods or services are expected to be more than sufficient to repay the loans as and when promised. Some lenders are flexible in their loans for a variety of reasons. Others are absolutely not. The project needs to demonstrate that a very conservative estimate of revenue can more than repay the loan. Lenders need clear procedures in place in case of loan default, termination or repossession.
I	Development investors	Equity	Investors expect a higher return than lenders
I	Strategic investors	Equity	not be confused with being risk-takers. They are
I	Triple-bottom-line investors	Equity	equally clear about what they are willing to do or not do. Their interests are in seeing a business
1	Venture capitalists	Equity	succeed and in earning a return on their invest- ment. If they become significant participants in
	Owners of businesses	Equity	a business, they tend to establish very specific
	Sponsors of social pro- grammes	Equity	are going well. When things are not going well, investors often have the ability to make significant
1	Financial investors	Equity	the management team. Investors get repaid only if a proposal is successful and profitable. Positive rates of return, market potential and a competent management team must be shown. They are also interested in market size, the reasonableness of the base case, potential upsides and downsides and exit strategies.

Type of funding	Definition	Other funding models that fall under this type
Grants	Grants do not need to be repaid	Capital and operating grants
Revenue	Revenue for products and services, including operating subsidies	Sale of carbon credits or pollution benefits
Loans	Loans are made based on the ability of the proposal to repay what is bor- rowed under clearly defined terms	Leasing, build, operate and transfer (BOT) contracts, instalment sales or purchases (hire pur- chase), financing or credit terms from a supplier
Equity	Equity investments are made in return for a share of the profits upon the suc- cess of what is proposed	Mezzanine debt, preferred shares, quasi-debt and quasi-equity*
* Combine	ations of loans and equity.	

To Whom? template





To Whom? template

1	r i	
Logical	tramewor	
Logical	nunewor	N.

 Description
 Indicators
 Means of verification
 Assumptions

 Goal
 Purpose
 Objectives
 Outputs

 Activities
 Indicators
 Indicators
 Indicators

Logical framework

Important for charitable and social change organizations

Goal

The broad (global, national or sector) benefit being pursued (e.g., to promote sustainable development).

Logical framework

Purpose	Objectives	Outputs	Activities	Inputs
The development outcomes being pursued (e.g., reduc- ing non-sustainable fuelwood consumption and reducing fossil fuel consumption).	Each of the purposes needs to be quantified (e.g., a 60% reduction in fuelwood consump- tion and a 90% reduction in kerosene use).	The specific results and tan- gible products which the project will pro- duce through a series of tasks and activities (e.g., installa- tions).	The specific tasks which the project will need to under- take to achieve the required outputs.	The resources available to perform and enable the ac- tivities (i.e., hu- man resources, equipment, capital).

How will the outputs and purpose be measured?

Indicators	Means of verification	Assumptions
How will you know that you have achieved your purpose? Indicators quantify the outputs, purpose and objectives (e.g., reduced fuelwood consump- tion, number of installations).	The information source or process that will enable you to prove that you have achieved the results.	Conditions which could affect progress but over which manag- ers have little control.

Proposal formats

Product-oriented proposal outline

- 1. Executive summary
 - a. Organization (Who)
 - b. Product and market (What)
 - c. Competitive advantages (Why)
 - d. What is being sought (Request)
- 2. Market (Where)
 - a. Size and segments, immediate and over time
 - b. Trends
 - c. Competition
 - d. Opportunity
- 3. Product (What)
- 4. Team (Who)
- 5. Implementation plans (How)
 - a. Construction or set-up plans
 - b. Marketing plans
 - c. Operating plans
 - 6. Financial information (base case)
 - a. Income and expense projections
 - b. Balance-sheet projections
 - c. Cash-flow projections
- 7. Sensitivity analysis, risks and risk management issues (What If)
- 8. Annexes ª

Service-oriented proposal outline

- 1. Executive summary
 - a. Organization (Who)
 - b. Service (What)
 - c. Demand for service and ability to pay (Where)
 - d. Advantages of organization and service (Why)
 - e. Needs (Request)
- 2. Market (Where)
 - a. Size
 - b. Customer segments and affordability
- 3. Marketing plan to reach customers (How)
- 4. Competition (Where)

Reference: See also

proposal outline in chapter 1, sample proposals in chapter 3, and annex II.

- 5. Team (Who)
- 6. Competitive advantages (Why)
- 7. Implementation plans (How)
 - a. Marketing and sales
 - b. Operations and quality control
 - c. Growth
- 8. Financial projections (base case)
- 9. Sensitivity analysis (What If)
- 10. Annexes ª

Technology-oriented proposal outline

- 1. Executive summary
 - a. Organization and team
 - b. Product and technology
 - c. Growth potential
 - d. What is needed and what is being sought
- 2. Market and growth potential of product and technology
- 3. Team
- 4. Product features, benefits and competitive advantages
- 5. Competition
- 6. Implementation plans
 - a. Research and development
 - b. Sales and marketing
 - c. Operations
- 7. Financial projections: slow-, medium- and high-growth scenarios
- 8. Sensitivity analyses
- 9. Risks and risk management
- 10. Annexes ª

Annexes °

Resumés and curricula vitae of key team

- Organization chart
- Detailed financial projections

Technology, product or service descriptions

Logical Framework

Generic organization materials ^b

Generic outline for presenting an organization ^{b, c}

- 1. Mission statement
- 2. Strategy
- 3. Goals and objectives
- 4. Products and services
- 5. Markets and competition
- 6. Sources and uses of funds
- 7. Target markets and marketing plans
- 8. Team and organization
- 9. Financial projections
- 10. Sensitivity and risk analysis

^c Items 6–10 may or may not be duplicative of any proposal to which they are attached. If duplicative, the information is unnecessary; if different, the differences need to be explained (different time period, broader scope or product offering, and so on).