



Academy of Scientific Research and Technology
Science and Technology Center (STC)
أكاديمية البحث العلمي والتكنولوجيا

National Strategy for Genetic Engineering and Biotechnology

Phase iii: Applications & Products Development

برنامج الاستراتيجية القومية للهندسة الوراثية والبيوتكنولوجي

استكمال أعمال المرحلة الثالثة : تطبيق المخرجات البحثية وتطوير منتجات
بيوتكنولوجية

(مشروعات نقل وتطبيق تكنولوجيا المنتجات الحيوية - مبادرة ٢٠٢٠)

Application Form

Title of the Project: Arabic: English:			
Name of Applicant (PI) : Arabic: English:			
Affiliation of the applicant:			
Industrial partner:			
Requested Budget (LE):	ASRTShare:	Industry/Private Sector Share:"Applies to target groups A and B only and does not apply to target C and D"	Total:
Duration of the project (months):			
Type of the project: (Please check one only)	Process Development <input type="checkbox"/> "Applies to target groups A and B only and does not apply to target C and D"	Scaling Up <input type="checkbox"/> "Applies to target groups A and B only" and does not apply to target C and D"	Semi-industrial Production <input type="checkbox"/> "Applies to target groups A and B only" and does not apply to target C and D"
Approvals	Principal Investigator Name: Signature: Date:	Host Institution Name: Title: Signature:	



		Date:
		Seal:
Date of Submission		

Part A: Short CV of PI and Co-PI only

For each PI and Co-PI, a short CV of one page maximum should be provided. (Please follow the CV format hereafter)

1. Basic Information		
Full Name in Arabic:	Full name in English:(As you write it in Int. publications, underline family name):	
National ID		
Last University Degree:	Faculty, University, Country:	Graduation Date:
Title:	Field of specialization:	
Affiliation:		
Current Position:		
Contact Information:		
Mobile Phone:	Fax:	E-mail:
2. Scientific Achievements		
Five recent relevant publications (Target groups A and B)		
Three recent relevant publications (Target groups C and D)		
Authors (underline your name), year, title, Journal, vol. and pages		
1		
2		
3		
4		
5		
If applicable, state other tangible scientific achievements such as patents and scientific prizes		



Part B: Project Proposal

The proposal should provide a clear and concise definition of the problem with special emphasis on its economic impact, description of the target product, which will be developed through this project, track record of the team in the project subject area (pilot studies, lab scale, Fermenter level, registered/submitted patents, lab and/or small production), potential market, main and specific objectives, method or approach that will be followed to reach these objectives and expected tangible and measurable outcomes from implementation of the proposed project. The proposal should not exceed **15 pages** (including all parts of the proposal, i.e. part A, B, C and D) and must include the following:

B1. English Summary: it should describe the proposed research, objectives, methodology, expected outcomes and economic impact (**one page only**).

B2. Arabic Summary: is an understandable translation of the English summary (**one page only**).

B3. Problem Definition: Describe the problem you are going to tackle in the project, its economic impact and explain how the proposed product(s) will be ready for commercialization and whether it is competitive with existing products and technologies (**two pages only**).

B4. Indicators of preliminary economic feasibility (Applies to target groups "A and B" only and does not apply to target C and D): Describe how the proposed product helps the national economy via exploring:

- I. Demands of the local markets.
- II. Actual import.
- III. Names of competitive companies.
- IV. Availability and cost of the required raw materials as compared with the expected price of the product.

B5. State-of-the-Art: Describe the state-of-the-art in the project subject area, and describe any previous achievements or pilot studies which have been conducted by you (your team) within the project subject area. It is worth to mention your relevant international publications, patents and former research grants in this section of the proposal (**two pages only**).

B6. Objectives: Briefly and succinctly state your project's main and specific objectives (**one page only**).

B7. Approach and Methodology: Briefly describes how project will be implemented, including general scientific approach, activities, methods, and project inputs. Specify the methods only to the extent needed to give a general idea of the tasks to be conducted and the findings it will yield (**two pages maximum**).



B8. Project Outcomes and Impact: List your expected project's outputs (typically tangible products, such as know-how (patent), process development, semi-industrial production(s), Int. publication can be considered as tangible outcomes in some cases. Avoid general benefits and focus on specific, measurable benefits only **(one page maximum)**.

B9. Management Plan(Role of each participant in the project with respect to the described activities):

B10. Budget Table(Including detailed budget justification for salaries, reagents and equipment):

B11. Key References:(List outstanding, recent and relevant literature cited in the proposal)(one page maximum).

Part C: Gantt chart and Logical Framework Matrix (LFM) Year 1

Task No.	Task Title	Start Date	End Date	Duration (Months)	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	Expected measurable outcomes of successful implementation of the task

Year 2

Task No.	Task Title	Start Date	End Date	Duration (Months)	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	Expected measurable outcomes as a result of successful implementation of the task

The Gantt chart is a graphical representation of a project's schedule which illustrates the work breakdown structure. To develop the Gantt chart, start by specifying the main tasks/ activities making up the project. Then break down each main task/ activity to its sub tasks/



sub activities. The time required for each task/activity and sub tasks/sub activities is represented as a horizontal bar on the chart. Those horizontal bars of varying lengths represent the sequences, timing, and time span for each task/ sub task. A column titled: expected outcomes as a result of successful implementation of each task was added to Gantt chart, accordingly this table is a merge between Gantt chart and LFM.

PartD:Industrial Partner Information(Applies to target groups "A and B" only and does not apply to target C and D)

Name of Company	
Address	
Postal Code	
Telephone	
Fax	
CEO	
E-mail	
Website	
Parent company, if any	
Subsidiaries, Associates, and/or Overseas Rep(s), if any	
Year established	
Type of organization	<input type="checkbox"/> Public enterprise <input type="checkbox"/> Private Company <input type="checkbox"/> Organization sponsored (assisted by Government) <input type="checkbox"/> Other (please specify):
Type of Business	<input type="checkbox"/> Manufacturer <input type="checkbox"/> Retailer <input type="checkbox"/> Authorized Agent <input type="checkbox"/> Consulting Company <input type="checkbox"/> Other (please specify):
Summary of main business activities	
Role in the current project: Describe the exact role of the industrial partner in the proposed product development with particular emphasis on its share in the expenses, Technical involvement, as well as its role in commercialization.	



PartE: Expected outcomes (Applies to all groups): *(Emerging Technologies, Laboratory Scale product, Semi Industrial or Industrial Scaling up of a product).*