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National Strategy for Genetic Engineering and Biotechnology

 Call 2017 : Applications & Products Development

برنامج الاستراتجية القومية للهندسة الوراثية والبيوتكنولوجى

المرحلة الثالثة : تطبيق المخرجات البحثية وتطوير منتجات بيوتكنولوجية

**Application Form**

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| Title of the Project: Arabic:English: |  |
| Name of Applicant ( PI) : Arabic:English:  |  |
| Affiliation of the applicant:   |  |
| Industrial partner: |  |
| Requested Budget (LE): | **ASRT Share:** | **Industry/Private Sector Share:** | **Total:** |
| Duration of the project (months): |  |
| Type of the project:(Please check one only) | **Process Development** □ | **Scaling Up** □ | **Semi-industrial Production** □ |
| 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)*

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|  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 *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:*

**B.1. English Summary:** *it should describe the proposed research, objectives, methodology, expected outcomes and economic impact* ***(one page only).***

**B.2. Arabic Summary:** *is an understandable translation of the English summary* ***(one page only).***

**B.**3**. 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).***

**B.**4. **Indicators of preliminary economic feasibility :** Describe how the proposed product helps the national economy via exploring:

1. Demands of the local markets .
2. Actual import .
3. Names of competitive companies.
4. Availability and cost of the required raw materials as compared with the expected price of the product .

**B.**5**. 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).***

**B.**6**. Objectives:** *Briefly and succinctly state your project’s main and specific objectives* ***(one page only).***

**B.**7**. 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).***

**B.8. 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 only).***

**B.9. Management Plan.**

**B.10. Budget table (**if approved I would be ready to prepare it ).

**B.11. 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**

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| **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** |
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**Year 2**

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| **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** |
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*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 Gant chart and LFM.*

**Part: D Industrial Partner Information**

|  |  |
| --- | --- |
| 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 | □ Public enterprise □ Private Company □ Organization sponsored (assisted by Government) □ Other (please specify): …..  |
| Type of Business | □ Manufacturer □ Retailer □ Authorized Agent □ Consulting Company □ 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. |  |