



NTRA Evaluation Criteria

All proposals go through a peer review process
Proposals are classified as applied research. The
evaluation criteria are explained below.

**NTRA Research Grant
CFP8
(November 2021)**

Applied Research

C1. Project objectives

Does the project provide clear objectives?

Is there a detailed description of the expected outcome of the project?

C2. Priority

How do you weight the priority area of the project (from the NTRA perspective)?

C3. Impact

Does the proposal have an impact on one or more of the following?

- Decision making at NTRA
- Standards contribution
- Fulfilling a governmental interest/request
- Offering new or improving services to the public
- Solving a real problem
- Saving cost
- Is a seed of a needed product

C4. Background

Does the background section reflect making a good survey of the topic under investigation? This includes recent references and categorization of the different methodologies used to address similar problems. Please identify any copy and paste sections that are written without referencing.

C5. Project writing quality

Is the project well organized and written? This includes quality of writing, organization, usage of charts and figures, writing to the point, ... etc.

C6. Preliminary results

Are there any preliminary results developed by the applicants that show the potential success of the prototype?

C7. Research methodology

Does the applicant clearly identify the problem formulation, problem solving approach, and the tools used to solve the problem and verify the validity of the solution?

C8. Originality and core competence of the prototype

Are there clear differentiators between this prototype and other solutions in the market? List these differentiators

C9. Development Plan

Does the proposal present a detailed system development plan with clear milestones and assigned resources?

Are the work packages well developed and distributed?

Does the Gantt chart reflect good distribution of the tasks over time?

Is there a detailed description of the tasks in the Gantt chart required for the success of the project?

C10. Business plan

If the project does not have a direct governmental user, does the project has a strong business plan to convert the prototype into a commercial product?

C11. Market analysis (In the final evaluation)

Does the proposal provide detailed insightful market analysis?

C12. Team competency (In the final evaluation)

Do the PI/the senior researchers have publications or patents in the project topic? Do the resumes of the PI/senior researchers indicate their active status, i.e., they have recent publications? Do the PI/senior researchers have success stories in projects similar to the one under investigation?

I. Bonus Score (By NTRA)

Special attention and bonus scores will be given to proposals considering one or more of the following items (with descending priorities):

- 1) Establishing a lab or a research center in one of the research institutes outside Greater Cairo and Alexandria.
- 2) Involving governmental/industrial partners: the research team can identify problems of interest to and collaborate with a governmental entity (e.g., the National Transportation Authority, the ministry of Irrigation...) or an industrial entity to solve industrial problems using innovative and/or effective techniques.
- 3) Targeting solutions of real problems facing the Egyptian society
- 4) Interdisciplinary research: addressing topics and problems that need joint collaboration from different disciplines. Such collaboration can take place either between different departments within the same institute (e.g., between the departments of Electrical Power Engineering and Communications and Electronics) or between different institutes (between the faculties of Engineering, Economics, Commerce, Agriculture ...etc.).
- 5) Having the PI or other team members (including research students) from an institute outside Greater Cairo and Alexandria.
- 6) Having team members from different institutes: the NTRA encourages the cooperation between different universities and research institutes.
- 7) Partnering with teams/entities outside Egypt: examples include partnership with Arab and African countries, partnership with top ranked and high-quality international institutes, partnership with recognized labs...etc. However, in any of such partnerships, NTRA will be responsible for funding the local party only.
- 8) Addressing contribution to standards.