



صندوق العلوم والتنمية التكنولوجية
Science & Technology Development Fund



السيد الأستاذ الدكتور / رئيس جامعة المنيا

بالإشارة إلى أليات وبرامج تمويل البحث العلمي والإبتكار التي يتيحها الصندوق، وفي إطار إستهداف الربط الحقيقي بين البحث العلمي والصناعة.

أنشرف بأن أحيط سيادتكم علماً بطرح دورة جديدة من برنامج " أستاذ لكل مصنع" والذي يتم من خلاله إتاحة الفرصة لباحث من الجامعات أو المراكز البحثية لدراسة مشكلة موجودة بأحد المؤسسات الصناعية وطرح الحلول عن طريق توفير الدعم اللازم للباحث لمدة ٤ أشهر.

كما أنشرف بأن أرفق لسيادتكم نص النداء الخاص بالمنحة وما تتضمنه من مشكلات صناعية مقترحة (٢٤ تحدي صناعي) تحتاج لما لدى باحثينا من طاقات وخبرات لمعالجتها.

يتم التقدم للبرنامج من خلال الموقع الإلكتروني للصندوق: www.stdf.org.eg.

وتفضلوا سيادتكم بقبول فائق الإحترام والتقدير،،

القائم بأعمال المدير التنفيذي
لصندوق العلوم والتنمية التكنولوجية

أ.د. / عماد حجازي



الدكتور /

السيد /

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Annex 1: FFF Industrial Problems

Ser	Beneficiary	Proposed Project / Problem
1	Helwan Company for steel Foundation F-9	Local substitute of steel foundry coating
2	Abu-Kir Company for Engineering Industries F10	Composite Polymer Technology
3	Abu-zaabal Company for Special Chemicals F 18	Manufacturing of Emulsifiers for Energetic Material
4	Shoubra Company for Engineering Industries F27	Improvement of Hardness of Tools (Dies, Fixtures) to enhance its efficiency & Aging
5	Shoubra Company for Engineering Industries F27	Enhancement of insulation of Motors to withstand High Temperatures
6	Shoubra Company for Engineering Industries F27	Improvement of Motors by using Treated Al-wires Instead Cu-wires
7	Al-Maassara Company for Engineering Industries F45	Foaming Manufacture
8	Al-Maassara Company for Engineering Industries F45	PVC Manufacture
9	Helwan Company for Non Ferrous F63	Designing of Die Casting and stamps
10	Helwan Company for Non Ferrous F63	Mechanical Engineering for Rolling and a gelding
11	Heliopolis Company for Chemical Industries F81	Production of Car's Paints (oven painting)paintings
12	Heliopolis Company for Chemical Industries F81	Production of Plastic & Rubber Adhesives
13	Helwan Company for Engineering Industries F99	Development of surface Treatment Unite
14	Abu-zaabal Company for Engineering Industries F100	Production of special steel High Strength & Hardness
15	Kaha Company for Chemical Industries F270	Design of Desalination Units , Water Purification Unites , and Sewage Treatment Unites
16	Tank Production & Overhauling Company F 200	Industrial Engineering
17	Abu-zaabal Company for Specialized Industries F300	Production Mechanical Engineering
18	Abu-zaabal Company for Specialized Industries F300	Industrial Engineering
19	Helwan Company for Metallic Appliances F360	Corrosion Prevention of Free Oxygen Copper Pipes used in gas heaters
20	Helwan Company for Diesel Engines F909	Improvement of Combustion Engine
21	Helwan Company for Diesel Engines F909	Improvement of Hydraulic Pumps
22	Helwan Company for Machinery & Equipment F999	Design of CNC Machines and its Controllers
23	Science & Technology Center fir Excellence (STCE)	Designee & Manufacturing for moulds
24	Science & Technology Center fir Excellence (STCE)	Antenna Design for Communication System



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Ministry of
Scientific Research

Faculty for Factory Grant Call for Proposals (FFF Grant)

Science and Technology Development Fund
www.stdf.org.eg

**Guide for Applicants
(Researchers)**

April 2018

I. Introduction:

According to the Presidential decree number 218/2007, under which the Science and Technology Development Fund (STDF) was founded, the STDF mandate is to promote Science and Technology (S&T) through funding scientific research and technology development in a way that supports the complete cycle of innovation. The STDF vision is to act as a tool of change for the improvement of the life of Egyptians. Its mission is to generate a critical mass of human, logistic and infrastructure resources that are needed for a complete cycle of innovation. Consequently, the STDF's specific objectives are to fund S&T activities, develop innovation capacity, enhance and monitor S&T systems and develop appropriate and flexible funding mechanisms for S&T. A major component of the STDF's general plan is to implement its objectives within the context of the national S&T development strategy, which is the direct product of the Higher Council of Science & Technology and the individual strategies of the Egyptian Ministries.

II. Grant Objectives:

The main objective of the current grant is to bridge the gap and enhance the collaboration between the academic community and the industry and service sectors to eliminate Egypt's economic and social challenges by developing a knowledge-based-economy. Through this grant the relevant state-of-the-art knowledge of experienced researchers in the academic community is exploited to draft proposals that suggest means of resolving the problems of both industrial and service sectors. Simultaneously, this activity helps in propagating real industrial problems into the academic community, thus offering it more frontiers for applied experience and new research.

III. Grant Scope

This grant is designed to cover an experienced researcher's time and effort (for a part-time engagement over a period ranging from 1 to 4 months) to diagnose and suggest solutions to an industrial (or service sector) problem. A detailed proposal to solving the problem under consideration is expected to be the final main deliverable of the grant. It should be clear that consultancy works are not eligible in any way.



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Another track of this grant suggests that an interested experienced researcher may choose one of the announced FFF industrial problems (Annex 1) as his topic of interest and in this case the endorsement letter is not needed; only the suggested Proposal/Development Title, Number, and Beneficiary should be mentioned in the application form.

IV. Application Submission:

Researcher must upload application form to STDF's website www.stdf.org.eg.

Point of contact for this Grant:

Ms. Eman Abbas Saleh

E-mail: bahnasawyamy9@gmail.com

V. Grant Mechanism:

1. Any interested experienced researcher affiliated to a university and/or research center (supported by an industrial entity or service sector endorsement letter, in case of choosing an industrial problem that is not one of the FFF Industrial Problems mentioned in Annex1) should submit his/her proposal using the relevant Faculty For Factory application form.
2. The proposal shall be subject to review and approval from STDF before project initiation.
3. Upon proposal acceptance and project initiation, a final report shall be submitted no later than one month after the end of the project outlining the main outcomes of the project and including a detailed proposal for resolving the problem under consideration.
4. The Industrial/service entity is expected to submit to STDF a report including the entity's comments and feedback regarding the project.

VI. Eligibility Criteria

- The Applicant (i.e., PI) shall hold at least a PhD degree and should be affiliated to a recognized Egyptian university or research institution.
- The maximum duration for a project is four months.

VII. Eligible Expenses

- This grant shall cover only the honorarium for the researcher.
- Gross monthly payment (corresponding to a part-time one or two days per week) for each project shall conform to STDF researcher honorarium guidelines.
- The beneficiary industrial/service entity shall be responsible for covering any other necessary expenses related to the execution of the project. These include; purchase of equipment, infrastructure, workspaces, machinery, supplies and consumables, ...etc. **This has to be clearly stated in the beneficiary endorsement letter, in case of choosing an industrial problem that is not one of the FFF Industrial Problems mentioned in Annex1.**

VIII. Responsibilities

Researcher Responsibilities:

- The researcher shall dedicate one to two working days per week for the execution of the project. The consent of the PI's institution regarding this condition shall be included in the full proposal.
- The researcher shall be responsible for the timely submission of the final report to STDF.

Industrial/service entity Responsibilities:

The industrial/service entity shall, to its best capacity and without violating any internal policies; available all requirements for the execution of the project to the researcher. This commitment has to be explicit in the endorsement letter, in case of choosing an industrial problem that is not one of the FFF Industrial Problems mentioned in Annex1.

STDF Responsibilities:

STDF shall provide the researcher honorarium based on the progress indicated in the final report. Site visits may be conducted by STDF at any time to monitor the project progress.

IX. Intellectual Property (IP)

If the project resulted in any novel product or process, the Intellectual Property Rights (IPR) shall be owned by the beneficiary industrial/service entity. The PI shall be designated as inventor(s) and shall be entitled to a case-by-case negotiable portion of any revenues resulting from exploiting the resulting IP.