

## **Application Form For Financial Support for Research & Development**

### **A. General:**

1 (a) Name and address of the Institution/industrial firm including Telephone, telex, fax Nos. (Give address of the registered Office, head office and local office in Delhi, if any)

Name and address of the collaborating agencies, if any (Including) Telephone, E- Mail, Fax Nos.)

Brief history of the Institution/industrial firm including Products being made, capacities, related collaborations, Achievements, capabilities, etc. (Latest annual report and Company brochure may be given.)

2. (a) Whether Institution is a CSIR/ICAR organization

(b) Whether In-house R&D unit of the firm is recognized by DSIR, Ministry of Science & Technology.

(c) Please indicate recent major achievements of In -house R&D unit of the industrial firm in development of new Products/processes, indigenous development of capital Goods, absorption, adaptation and up gradation of the imported Technology, if any.

3. Details of the manpower available (Give separate details for Executive and Collaborating Agencies).

(a) Ph. D's -Engineers/  
Technicians -Scientists

-Post-

Graduates -Graduates

-Total

S&T Manpower in the -R&

D Unit

(b) Number of other staff in R&D unit -(  
Technical/non-technical)

4. Financial capabilities of the Executing Agency:

Please provide Memorandum & Articles of Association of the Company, Annual Reports for the last 3 years, sources of financing The proposed project, Board Resolution indicating the Support of management for undertaking the proposed project.

5. Details of submission of the proposed project to other agencies, if any:

Please provide details of the application for financial support Submitted to any Government/Financial Institutions.

### **B. Project Proposal Details:**

(Details specific to the project proposal may be furnished)

1. Name of the Project proposal:

(A brief description may be given)

2. Details of the Project:

#### **(a) The details should include the following:**

- Objectives of the project

- Products to be developed including co-products, if any

- Uses of products and by- products

- How demand is being met- indigenous Imported

- Salient features of existing technology/manufacturing problems and technological gaps

- Details of new or improved technology to be developed.
- Demand assessment for both domestic and export markets.
- Action plan for implementation of the proposed project  
Including literature survey, patent search, lab- work, pilot  
Plant/prototype development, design and engineering, field  
Trials and pre- production activities, etc.
- Time schedule for the above activities
- Consultancy arrangements etc., if any, with other consulting  
Engineering organizations/national labs and institutions  
And assistance from research labs/institutions etc.

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- Status of research/development by the firm or at the collaborating  
Research laboratory, if any, their scope of work  
And role in the present project.
- Industry project who shown interest in results of R&D, financial  
Contribution of such pattern.

**(b) Expected output:**

This may include broad details of relevant aspects such as:

- Expected number of prototypes/pilot plant.
- Expected optimizations/improvements in products/process  
Design/performances, etc.
- Expected turnover of the resultant product/process per  
annum for five years after start of commercial production.

**(c) Expected quantified benefits:**

This may include aspects such as:

- Improvements in productivity, yields, efficiencies/quality,  
Value added etc/ (to be quantified)
- Annual foreign exchange savings/earnings due to import  
Substitutions/export earning (to be quantified) giving quantities  
And values per annum including details of current  
Annual imports and requirements abroad.
- Any other benefits

**(d) Potential customers:**

**(e) Expected capabilities and linkages:**

- S & T Expertise (discipline wise)
- R & D Facilities
- If applicant is a R&D institution/Research laboratory/  
University kindly gives name and address of the industrial  
Unit who are interested in this Research work along with  
Their consent letter and willingness to contribute 10% of  
The project cost
- If applicant is a industrial unit – linkage with a R&D institution  
Who may provide technical input (Please furnish  
MoU signed)

**(f) Techno-economic Assessment:**

- (i) Please give a comparison of technical parameters and details  
Of the technology (both in product/process) which is proposed  
To be implemented as a result of the project, vis-à-vis the  
International technological trends, in this area.
- (ii) Please indicate if a market survey has been undertaken  
covering demand profile over next 5 years, likely markets/

Applications domestically and abroad, competing Products, realizable prices etc. If so please give highlights of the survey or enclose a copy of the same. If no such Survey has been undertaken, please indicate the above Details quoting sources.

### **3. Financial outlay and time schedule:**

#### **3.1 Financial Outlay:**

##### **Share in total cost of the Project**

Heads Of the Project	Total cost	Industry/ Collaborating Agency assistance	Any other Assistance
1	2	3	4
5			

##### **(a) Capital Equipment (Please furnish detailed technical specification And latest quotations)**

- (i) For infrastructural facilities
- (ii) Testing equipment

##### **(b) Pilot Plan/Prototypes**

- (i) Pilot Plan Equipment (in process industries) or components

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And sub-assemblies for building prototypes (in Engineering Industries)

- Indigenous
- Imported

- (ii) Tools, Jigs, Fixtures, Dies required for prototypes/pilot Plant.

- (iii) Consumables used for prototype or pilot plant

- Indigenous
- Imported

- (iv) Work subcontracted outside

- (v) Manpower

- 1. Literature Surveys and lab works, design and engineering/soft-ware
- 2. Fabrication of prototypes/pilot plant

- (c) Cost of testing and trials of prototype or pilot plant

- (i) Materials
- (ii) Consumables
- (iii) Manpower

Total

- (d) R&D/Engineering Consultancy for prototype/pilot plant/trials and testing, if any

- Indian
- Foreign

- (e) Travel Cost

- (i) Own manpower
- (ii) Outside experts
- (f) Overhead expenses
- (g) Any other costs

Total

**Note:** i) Detailed break-up and justifications for all the above Should be given in annexure.

ii) In case collaborating agency (ies) is/are involved, The resource allocation against each of above items Should show a break-up of outlay at both executing

Agency and collaborating agency(ies), as well as respective Totals.

### 3.2. Time Schedule

(i) Activity sequence and time schedule for each Activity (bar chart)

(ii) Phasing of expenditure on a three monthly basis

(iii) Stages of activities in the project

Activity Time in months from

Commencement of project

Start Finish

a. Literature Survey & patent search

b. Design and Engineering

c. Procurement and installation of

Pilot plant/test equipment etc.

d. Prototype development/pilot plant

Activities

e. Testing, performance/field trials

f. Modifications and scaling up, if

Required

h. Final report

4. Bio data of the Project Coordinators and other personnel/experts

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5. Please indicate steps proposed:

(a) To ensure timely completion of the project such as setting Up of a project execution group, internal monitoring group etc.

(b) For technology demonstration and commercialization of The project

Signature of Chief Executive/Director (Technical)/Director (R&D)

**Note:** (a) The above format is only for guidance and individual Project proposal may be prepared flexibly taking the above Points into accounts.

(b) The project proposal should be submitted in **15 copies**.

(c) Annual Report/Balance Sheet of the Institution/company For the last 3 years along with a copy of Memorandum & Articles of Associations of the Company may be enclosed.

(d) In case of joint proposals with other agencies, the proposals Should be jointly forwarded by executing agencies and Collaborating agencies duly signed by Chief Executives/ Directors of the respective organizations.