

FORMAT FOR SUBMITTING PROJECT PROPOSALS UNDER R&D SCHEME OF PCRA

PROJECT PROPOSAL SHOULD COVER THE FOLLOWING:

1. Title of the project
2. Name of the Institution with address and contact details
3. Name of Project-in-charge with designation
4. Endorsement from Head of Institute

A. Brief Synopsis of the Project Proposal

B. Main proposal

1. Objectives of the project
2. Background / development / Research work already carried out so far in the proposed field, with work done in India
3. Detailed Scope of Proposed work with brief description of (a) Research (b) Design (c) Engineering (d) Trial run plans
4. Work Plan (should include stage wise detailed activities to be undertaken)
5. Activity Time Schedule (Bar Chart indicating time duration required for completion of each of work plan stages/activities)
6. Expected benefits (quantitative and qualitative) of project:
 - Material / energy savings (quantity and cost saving per annum)
 - Improvements such as in productivity, yields, efficiency/quality, value added.
 - Annual foreign exchange savings/earnings, if any.
 - Any other benefits.
7. Expected beneficiaries (nation / industry / general public / etc) from outcome of the project work and modalities for implementation / commercialization
8. Identified potential beneficiaries with name of at least TWO industries / entity willing to implement and commercialize the outcome (By name, address & telephone nos.).
9. Cost benefit analysis for implementation of the developed technology
10. Cost estimates (in Rs):

a) Item wise & year wise break-up of total Project cost:

Item heads	Year 1	Year 2	Year 3	Total
i. Capital items				
ii. Chemical/Raw materials				
iii. Consumables				
iv. Utilities				

v. Consultancy				
vi. Travel				
vii. Stationery				
viii. Manpower*				
ix. Workshop/ Seminar**				
x. Miscellaneous/ contingency***				
Total				
Overheads, if any				
GST / other taxes, if any				
Grand Total				

b) Item wise & Year wise break-up of funds required from PCRA for the project:

Item heads	Year 1	Year 2	Year 3	Total
i. Capital items#				
ii. Chemical/Raw materials				
iii. Consumables				
iv. Utilities				
v. Consultancy				
vi. Travel				
vii. Stationery				
viii. Manpower*				
ix. Workshop/ Seminar**				
x. Miscellaneous/ contingency***				
Total				
Overheads, if any				
GST / other taxes, if any				
Grand Total				

Note:

Only partial funding/ grant-in-aid may be sought for the Capital items and Instruments to be procured for the project.

* Manpower engaged for the project should have sufficient relevant knowledge and experience, and project completion should not be hampered due to manpower.

** Institution will have to prepare one film of 10-15 minutes' duration and a brochure on the project. Also Workshop/ seminar will have to be organized for dissemination of project findings. Accordingly, cost estimates need to be included in the project cost.

*** The total estimated cost against miscellaneous/ contingency expenses head should not exceed 10% of the total project cost.

11. Justification of the expenditure for additional Equipment / Consumables / Manpower / Travel
12. How much is the proposing institute willing to contribute towards project.
13. How much is the proposing institute willing to contribute towards beneficiaries.
14. How much energy savings is expected in a year on implementation of the project outcome?
15. What is the quantity and value of energy that is saved in the pilot plant till completion of project?
16. What are the existing equipment & instruments which proposing institute is going to utilize for the proposed project?
17. Confirm that detailed justification of manpower cost i.e. nos. of man-days & rate of man-days are indicated.
18. List of items to be purchased for execution of project with estimated cost of each.
19. Letters from at least two potential beneficiaries (with telephone nos, mobile nos, email) needs to be enclosed indicating their willingness to implement the outcome of project as pilot in their premises. Sharing of cost, whatever may be agreed, also to be indicated.
20. Out of the total cost of project, please indicate how much value of material is actually going to be used in the premises for energy efficiency.

C. PROPOSAL FOR COMMERCIALIZATION:

Applicant to provide the following for commercialization of the project outcomes:

1. Names of parties/ entrepreneurs interested in acquiring the technology with contact details
2. Proposed technology transfer fee
3. Proposal for propagation of technology/ process equipment/appliances developed through seminars/consumer meets etc.

D. OTHER DETAILS:

1. Please mention the type Institution / organization:

- National Research Lab (Govt. recognized)
- Council of Scientific and Industrial Research (CSIR) lab.
- Private Research Lab (Must be DSIR recognized. To submit registration No. with validity date of recognition by govt. authority).
- Educational Institute (should have a well-established research support system. A registration/ recognition/ accreditation/ certification from a government body is mandatory).

- Indian Company/ Industry (An Indian Company is defined as one which is registered under the Indian Companies Act 1956 and in which more than 51% of the ownership is held by Indian Citizens (including NRIs). The Industry should have DSIR recognized in house R&D unit or have IP ownership, developed or acquired, and that will be used for the proposed project. Micro, small and medium industries must be DSIR recognized).
- Not-for-profit private research labs/ societies/ foundation (Relevant documentary proof as not-for-profit institution required).

Note: Documentary evidence needs to be submitted.

2. Please confirm the nature of proposal.

- Development of a new or improved product for substitution or conservation of petroleum products/fossil fuels along with process / technology for commercial production.
- Development of a new or improved process / technology towards conservation of petroleum product along with development of a technology demonstrating pilot plant for the same.
- Indigenization of imported technology.
- Development / improvisation of product / process / technology resulting into reduction of carbon foot-print.
- Innovation to enhance the energy efficiency of LPG and PNG burners used for domestic cooking
- Development of Flex fuel engines
- Any other

E. DECLARATION

I hereby declare that

- I. I have not undertaken this project earlier with any other organization
- II. I have not taken any financial help for this project from any other institution
- III. In case of receipt of grant-in-aid from PCRA, financial help shall not be taken from any other govt. organization against this project.
- IV. Patent search is the responsibility of the institution.
- V. The research lab under this institution is recognized by Govt. / DSIR.
- VI. No research work has been done in this domain to achieve the proposed objectives.

Signature of Principal Investigator

Date & Seal