



**IREL (India) Limited
Government of India Undertaking
Department of Atomic Energy**

**Project Proposal Application Form
(IREL-PPA)**

The form 'IREL-PPA' for seeking financial support for research projects is divided into three sections. Information on how to fill the form is provided as 'Instructions'. Please read each section and the instructions before filling the Form.

SECTION-A: Project Details

- Part I : Project overview
- Part II : Project objectives, Research plan and Deliverables
- Part III : Budget details and justifications
- Part IV : Other running and previous projects

SECTION-B: Curriculum Vitae of investigators and coordinators.

SECTION-C: Certificates by the authorities

(Please Submit only Two hard copies & mail the soft copy to brmishra@irel.co.in)

SECTION-A

PART I – PROJECT OVERVIEW *(Please see Instruction - Sr. No. 8)*

100. Advisory Committee Code Number *(Please see Instruction - Sr. No. 9):* (a) to (k)

101. Title:

102. Key Words & Name of 2 Referees *(Please see Instruction - Sr. No.10):*

103. Project Summary *(Please see Instruction - Sr. No.11): Write Project Summary here: Approx 100 Words*

Personal Details:

		Name	Address	e-mail	Phone	Fax
104	PI					
105	CI					
106	PC					

107. Total Budget:

108. Technology Readiness Level (TRL) of the proposed project: (mark the TRL levels achieved)

TRL 1	Basic Technology Research	Conducting Initial scientific research. Principles are qualitatively postulated and observed. Focus is on new discovery rather than applications.
TRL 2	Applied Research	Initial practical applications are identified. Potential of material or process to solve a problem, satisfy a need or finding application is confirmed.
TRL 3	Critical Function or Proof of Concept Established	Applied research advances and early stage development begins. Studies and laboratory measurements validate analytical predictions of separate elements of the technology.
TRL 4	Lab Testing/Validation	Design, development and lab testing of components/processes. Results provide evidence that performance targets may be attainable based on projected or modelled systems.
TRL 5	Laboratory Testing	System Component and/or process validation is achieved in a relevant environment.
TRL 6	Verification of Prototype System.	System/process prototype demonstration in an operational environment (beta prototype system level).
TRL 7	Integrated Pilot System Demonstrated	System/process prototype demonstration in an operational environment (integrated pilot system level).
TRL 8	System Incorporated	Actual system/process completed and qualified through test and demonstration (pre-commercial demonstration).
TRL 9	System Proven and Ready for Full Commercial Deployment	Actual system proven through successful operations in operating environment, and ready for full commercial deployment.

109. Detailed Project Proposal Report Enclosed: Yes/No

(Please see Instruction - Sr. No. 12. This information will help us to comprehensively review the proposal).

PART II - PROJECT OBJECTIVES, RESEARCH PLAN & DELIVERABLES

200. List of Objectives (Please see Instruction - Sr. No. 13):

210. Describe the yearly Research Plan and identify the Deliverables (Please see Instruction - Sr. No. 14):

A. At PI/ CI's Institution

I. Year:

II. Year:

III. Year:

B. At PC's Institution

I. Year

II. Year

III. Year

Infrastructure facilities related to the project activity available at the PI/C I's Institute:

211. Facilities available at the PC's institution that would be useful to this project:

PART III - BUDGET ESTIMATES

300. Details of budget requirements (*Please see Instruction - Sr. No. 15 to 21*)

Particulars	I Year (Amount in Rs.)	II Year (Amount in Rs.)	III Year (Amount in Rs.)	Total (Amount in Rs.)
310. Equipment				
320. Staff Salary				
JRF:				
SRF:				
RA:				
330. Technical Assistance				
340. Consumables				
350. Travel				
PI:				
PC/DC:				
360. Contingencies				
370. Overheads				
380. Grand Total				

BUDGET DETAILS

310. Details of the budget for equipment to be procured by the PI:

Sl.No.	Item	I year	II year	III year	Total
Local:					
Imported: Mention currency conversion rate used for estimation					
Total					

340. Details of budget for consumables to be procured by the PI (Amount in Rupees):

Sl. No.	Item	I year	II year	III year	Total
	Total				

350. Details of travel:

	I year	II year	III year	Total
351. Proposed number of visits of PC/DC to PI's Institute				
351A. Duration of stay (no. of days) during each visit				
351B. Total funds required				
352. Proposed number of visits of PI to PC/DC's institute				

352A. Duration of stay (No. of days) during each visit				
352B. Total funds required				
353. Funds required by PI for travel to attend conferences within India.				
354. Funds for Other visits (please give details)				

BUDGET JUSTIFICATIONS

310. Equipment:

320. Staff:

330. Technical assistance:

340. Consumables:

350. Travel:

360. Contingencies:

PART IV - OTHER PROJECTS

410. List all previous projects that are supported by IREL or any other funding agency in which PI is actively participating (either as PI or as CI):

Sl.No.	Title of the project	Total cost	Agency	Present status

411. List all projects submitted during the current financial year by PI to IREL or any other agency for funding. Give details on the present status of the application:

Sl.No.	Title of the project	Total cost	Agency	Present status

412. Brief description of the project(s) submitted/sanctioned by/to PI by other agencies. (*Please see Instruction - Sr.No.22*):

413. List all previous projects that are supported by IREL or any other funding agency in which CI is actively participating (either as PI or as CI):

Sl.No.	Title of the project	Total cost	Agency	Present status

414. List all projects submitted during the current financial year by CI to IREL or any other agency for funding. Give details on the present status of the application:

Sl.No.	Title of the project	Total cost	Agency	Present status

415. Brief description of the project(s) submitted/sanctioned by/to CI by other agencies. (*Please see Instruction -Sr.No.22*):

PART IV - FACILITIES

416. List of facilities that will be extended to the investigators by the implementing institution for the project

A. Infrastructure facilities

Sr. No.	Item Name	Yes/No /NR*	Sr. No.	Item Name	Yes/No /NR*
1.	Workshop		7.	Telecommunication	
2.	Water & Electricity		8.	Transportation	
3.	Standby power supply		9.	Administrative I support	
4.	Laboratory space & furniture		10.	Library facilities	
5.	AC room for equipment		11.	Computational facilities	
6.	Refrigerator		12.	Animal/Glass house	
NR*: Not Required					

B. Equipment and accessories available within the Investigator's group/Dept. which can be utilized for the project.

Sr. No.	Name of the Equipment	Model & Make	Year ofPurchase

SECTION-B

(Please see Instruction - Sr. No.23 & 24)

500. Curriculum vitae (CV) of Principal Investigator (PI),

510. Curriculum vitae (CV) of Co-Investigator (CI), if applicable,

520. Curriculum vitae (CV) of Principal Collaborator (PC),

The following format should be used to provide Curriculum vitae of the individuals mentioned above

Name & Designation:

Date & Place of Birth

Nationality:

Present post:

Institution with address:

Telephone No. (With STD code):

Fax No.:

E-mail:

Qualifications:

Experience:

Awards & Fellowships:

Signature with date

Attach a list of publications during the last 10 years which is relevant to the project (Reprints may please be mail only on demand)

SECTION-C

CERTIFICATE-1

(Submit single hard copy only)

Certificate from the Head of the Institution of the Principal Investigator (PI) and Co-Investigator (CI) from Non-IREL Institution

(Please see Instruction - Sr. No.4-6)

Project Title:

(1) Certified that this Institution agrees to the participation of

Prof./Dr./Shri _____(PI) Prof./Dr./Shri _____(CI)

Address _____

for the above project which is being submitted for financial support to the Indian Rare Earths Limited (IREL)

(2) Certified that the infrastructural facilities related to the project activity available in this institution and in Part II of the proposal (including equipment, manpower and other facilities) will be extended for the project.

(3) Certified that the management takes the responsibilities for the timely submission of audited (by external Chartered Accounted or Statutory Government Auditor) statement of account (SA), utilisation certificate (UC), details of staff recruited and equipment purchased for each year as well as the audited (by external Chartered Accounted or Statutory Government Auditor) consolidated SA and UC for the final year.

(4) Particulars of University Bank A/c are as follows (Please see Instruction - Sr.No.7):

a) Name of Account Holder:

b) Account No.:

c) Bank Name and Branch Address:

d) Branch code:

e) IFS Code: (16 digits)

Date:

Name & signature of the Head of the institution

Place:

or his authorized nominee

Seal:

Note: For Multi-Centre projects, similar certificate is needed from all the participating institutions.

CERTIFICATE-2

(Submit single hard copy only)

Certificate from the Head of the Institution of Principal Collaborator (PC) from DAE Institution

(Please see Instruction - Sr. No.7)

Project Title:

- (1) Certified that this Institution agrees to the participation of Prof./Dr./Shri _____
_____ Department/Address _____ as Principal Collaborator (PC) for the above
project that is being submitted for financial support to Indian Rare Earths
Limited (IREL) by Prof./Dr./Shri _____ Department/Address _____
_____ as Principal Investigator (PI).

The PC shall coordinate for timely submission of yearly progress reports and financial documents towards meaningful conclusion of the project as scheduled.

- (2) Certified that the infrastructural facilities related to the project activity available in this institution and in Part II of the proposal (including equipment, manpower and other facilities) will be extended for the project.
- (3) This institution assures to undertake the financial and other management responsibilities of the part of the project work that will be conducted in this institution.

Date:

Name & signature of the
Head of the DAE institution/

Place:

Head of the Group

Seal: