



HIGHER EDUCATION COMMISSION

H-9, Islamabad (Pakistan)

For HEC use only
Proposal
Identification Number

UNIVERSITY – INDUSTRY TECHNOLOGY SUPPORT PROGRAM TECHNOLOGY GRANT PROPOSAL COVER SHEET FOR PROPOSAL

A. TITLE OF PROPOSED PROJECT		
B1. RESEARCH DOMAIN <input type="checkbox"/> Product Development/ Improvement <input type="checkbox"/> Process Development/ Improvement		
B2. STATE FIELD OF RESEARCH AND SPECIALIZATION (For example; Major: Process Industry Specialization: Sugar Industry) Major _____ Specialization _____		
C. PROJECT DIGEST. Describe the proposed research using (about 250) words geared to the non-specialist reader.		
PRINCIPLE INVESTIGATOR (from University / Institution)		
D1. PRINCIPAL INVESTIGATOR NAME (full with no initials)	D2. HIGHEST DEGREE	D3. POSITION
D4. DEPARTMENT/SECTION	D5. UNIVERSITY/INSTITUTION	D6. MAILING ADDRESS
D7. Telephone:(area code, number and extension) Fax: (Area code, number) Email:		
E: CO-PRINCIPAL INVESTIGATOR (from Collaborating Industry)		
E1. Co-PRINCIPAL INVESTIGATOR NAME (full with no initials)	E2. HIGHEST DEGREE	E3. POSITION

E4. SECTION / UNIT	E5. FACTORY / INDUSTRY	E6. OFFICIAL MAILING ADDRESS
E7. Telephone: (area code, number and extension) Fax: (Area code, number) Email:		
F1. PROPOSED DURATION OF PROJECT: <i>(in months)</i>	F2. PROPOSED STARTING DATE	
F3. TOTAL FUNDS REQUESTED Rs.	F3.A HEC COMPONENT RS.	F3B INUDSTRY COMPONENT RS.
SIGNATURE OF PRINCIPAL INVESTIGATOR Date	SIGNATURE OF CO-PRINCIPAL INVESTIGATOR Date	

<p>ENDOSEMENT OF THE HEAD OF INSTITUTION (Vice-chancellor/Rector of University, Director of Degree-awarding Institutions)</p> <p>Signature & Date</p> <p>Name Title:</p> <p>Address:</p> <p>Phone FAX E-mail</p>	<p>ENDOSEMENT OF THE HEAD OF INDUSTRIAL ORGANIZATION</p> <p>Signature & Date</p> <p>Name Title:</p> <p>Address:</p> <p>Phone FAX E-mail</p>
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PROJECT DETAILS

1. PROJECT SUMMARY

Describe the proposed research using (about 250) words.

2. PROPOSED GOALS/OBJECTIVES (please identify quantifiable goals)

Please clearly identify the output in the form of a product or process, need or relationship to industry and also identify other end-users of your output/product.

GOALS/OBJECTIVES (please quantify your objectives in case of Applied research)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

3. INTRODUCTION (not to exceed one page)

The introduction should consist of three paragraphs; the first paragraph should indicate the scientific and/or commercial basis on which the project is based. The second paragraph should introduce the precise nature of the project, and the final paragraph should indicate the proposed objectives in the light of the first two paragraphs and explain clearly what the reader will see in the main body of the proposal.

(PLEASE ATTACH ONE SHEET ONLY)

4A. BACKGROUND AND METHODOLOGY OF THE PROPOSED RESEARCH (Not to exceed two pages)

A comprehensive and upto-date justification for the proposed program for technology development, industrial growth, and contribution to national economy.

(PLEASE ATTACH TWO SHEETS ONLY)

4B. RESEARCH PLAN: SCHEDULE/PHASING (Preferably with a time-chart not to exceed one page)

(PLEASE ATTACH ONE SHEET ONLY)

4C. REFERENCES (cited in 3, 4A & 4B; not to exceed two pages)

(PLEASE ATTACH TWO SHEET ONLY)

5. IMPACT

Impact of proposed research on aspects such as transfers of research results into the economy in order to implement innovation, effects on import substitution and/or export enhancement, and on technology-oriented human-resource development. Please also identify other end-users of the research results.

6. PROJECT PARTNERS (information on Industry)

Please give a brief introduction of the collaborating industry, especially information on turnover, import/export profile, stock exchange listing etc. Please indicate the portion of the proposed research program to be carried out at the Partners organization. Also state that how and where the Partner's budgetary contribution will be utilized.

7. FACILITIES AND FUNDING

7A. Facilities: equipment available for the research project IN THE HOST UNIVERSITY/INSTITUTION & THE COLLABORATING OGRANIZATION

7B. Scientific Personnel (at the PI institution)

a. Available

b. Required*

*Involvement of research students is encouraged.

7C. Other funding available for the proposed studies (if any)

8A. PRINCIPAL INVESTIGATOR

A brief resume of research accomplished in the last 05 years. Please specify title of the research proposal(s), duration, funding source(s) and award amount(s).

1. Please attach C.V.

2. Number of Publications during the last five years & page numbers on the C.V. where these publications are listed

National: __ ____ Please see pages _____ of CV

International: _ ____ Please see pages : _____ of CV

3. Number of research projects completed & page number where this information appears

Basic: _____ Please see pages _____ of CV

Applied: _____ Please see pages _____ of CV

8B. CO-PRINCIPAL INVESTIGATOR

A brief resume highlighting achievement / experience, specially concerned with the present proposal

9A. ESTIMATED BUDGET FOR THE PROPOSED RESEARCH PERIOD (Rs. In million)

DESCRIPTION	YEAR 1		YEAR 2		Total Amount	
	HEC	Industry	HEC	Industry	HEC	Industry
A. Salaries and Honorarium						
PI: One month/year of basic salary @						
Co-PI: One month basic salary for the entire duration @						
Subtotal:						

B. Permanent Equipments (Please attach invoice/quotation and expected delivery date for items costing over Rs 0.1 Million)						
	YEAR 1		YEAR 2		Total Amount	
	HEC	Industry	HEC	Industry	HEC	Industry
Subtotal:						

C. Expandable Supplies						
	YEAR 1		YEAR 2		Total Amount	
	HEC	Industry	HEC	Industry	HEC	Industry
Subtotal:						

9A. ESTIMATED BUDGET FOR THE PROPOSED RESEARCH PERIOD (Rs. In million)-continued

DESCRIPTION	YEAR 1		YEAR 2		Total Amount	
	HEC	Industry	HEC	Industry	HEC	Industry
D. Others						
D1. Literature, documentation, information, online literature search, contingencies, postage, etc.						
Subtotal:						

D2. Local Travel (Destination and Purpose)						
Subtotal:						

D3. Miscellaneous						
Audit Fee (Max. Rs 10,000)						
Accountant Fee (Max Rs. 10,000)						
Subtotal:						
Subtotal (D1 + D2 + D3):						

E. Indirect cost (University overheads)						
02% of Total direct costs to of the university portion meet office support, utilities, etc.)		Nil		Nil		Nil
Grand Total (A + B + C + D + E):						
Total Budget HEC + Industry Components						

10B. JUSTIFICATION (Please justify your request in a background of the existing facilities available at the host Institute.)

- A. **Salaries & Allowances** (All positions, other than PI and Co-PI, must be fully justified. Please give qualifications/requirements of each of the new full-time positions requested for in the Proposal.)
- B. **Permanent Equipment** (Please identify major items (over Rs. 25,000). Major pieces of equipment costing over Rs. 0.1 million must be fully justified. Minor items (under Rs. 25,000) may be lumped into one.)
- C. **Expendable supplies**
- D. **Other Costs.** (Travel must be justified.)