Another Land Mark Initiative of the Government of Khyber Pakhtunkhwa

Invitation for Research Proposals

Higher Education Department invites research proposals for research grants in the following areas:

1) Engineering/ Applied Sciences/ Physical Sciences
2) Medical/ Biological Sciences
3) Social Sciences/ Management/ IT/ Humanities

General Guidelines:

Preference will be given to:

i. Short term projects of 1 year duration
ii. Research projects with cost up to Rs. 2.5 million, in exceptional cases the amount can be reviewed by the competent authority.
iii. Research based on indigenously developed technologies
iv. Research which could be utilized for import substitutions.

v. Research with the potential of commercialization after completion
vi. Components including salaries or machinery/equipment will be discouraged.

Eligibility Criteria for PI & Co-PI:

I. At least the PI or Co-PI shall be a regular employee/faculty member of a public sector university or a research institute/public sector colleges of Khyber Pakhtunkhwa with sufficient research background

II. PI and CO-PI shall not be below the rank of lecturer, research officer, junior scientist of BPS-17 in case of retired government servants with sufficient research background

III. PI shall have a PhD or equivalent degree and CO-PI shall have minimum MS/MPhil degree

IV. The PI and CO-PI shall have domicile of Khyber Pakhtunkhwa based university/research institute/Public Sector Colleges of Khyber Pakhtunkhwa to carry out the intended research in Khyber Pakhtunkhwa and collaboration with a public sector university/research institution located in Khyber Pakhtunkhwa.

Note:

► Application on the prescribed form (available on WWW.hed.gkp.pk & MU office) with all the supporting documents should reach this office within one month of publication of this advertisement, both in hard & soft form (soft copies must be submitted on herefhed@gmail.com).

► Shortlisted proposals shall be invited for a presentation before the Technical Committee.

► Incomplete applications or applications received after the due date will not be entertained.

Address:

Ground floor, Management Unit of Higher Education department, Judicial Complex
Khyber road Peshawar

Management Unit
Higher Education Archives & Libraries
Department
Government of Khyber Pakhtunkhwa

INF(P)3358/19
Title of Proposed Project: 

Subject (e.g. Chemistry):

Major field (e.g. Organic Chemistry):

Minor Field (e.g. drug etc.):

Total Funds Requested (in million):

Proposed Duration of Project (in months):

Project Location:

Proposed Starting Date of Project:

Turnitin similarity index (%):

Details of Principal Investigator (PI):

Name:

Province of the University:

University/Organization/Institution:

Designation (BPS or TTS):

Status (Contract/Regular/Adhoc):

Previous Designation (if Retired) with BPS:

Department:

Office Address:

CNIC Number:

Domicile:

Email address:

Cell and Phone #:

Already HEC/S&T/SDU/other submitted projects with ID or reference No.

a. Completed

b. Ongoing

c. Under review process

Mention beneficiary Sector/industry in KP:
## COVER SHEET FOR PROPOSAL

### A. Title of Proposed Project

### B. Domain of Proposed Research

- B1. Engineering / Applied / Physical Sciences
- B2. Medical / Biological Sciences
- B3. Social Sciences / Management / I.T / Humanities

### C. Field of Proposed Research and Specialization

- Subject: Chemistry; Major Field: Medicinal Chemistry; Minor Field / Specialization: Herb
- Subject: Economic; Major Field: Micro-economics; Minor Field / Specialization: Development Economics
- Subject: Physics; Major Field: Energy; Minor Field / Specialization: Solar

#### C1. Subject:

#### C2. Major Field:

#### C3. Minor Field (Specialization):

### D. Project Location

### D1. Project Location

### D2. Total Fund Requested (Rs. in millions)

### E. Proposed Duration of Project

- E1. Proposed Duration of Project: (in months)
- E2. Proposed Starting Date
- E3. Proposed End Date

### F. Details of Principal Investigator (PI)

<table>
<thead>
<tr>
<th>F1. Full Name of PI (First-Middle-Last)</th>
<th>F 2. Highest Degree</th>
<th>F 3. Position / Title (BPS/TTS)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>F 4. Department / Section</th>
<th>F 5. University / Institution</th>
</tr>
</thead>
</table>

| F 6. CNIC / Passport:   |
| F 7. Domicile:         |

### F 8. Mailing Information

- a. Mailing Address:
- b. Email:
- c. Telephone: (Area code, number and extension)
  - Office :
  - Mobile :
  - Res :

### G. Details of Co-PI

<table>
<thead>
<tr>
<th>G1. Full Name of Co-PI (First-Middle-Last)</th>
<th>G 2. Highest Degree</th>
<th>G 3. Position / Title (BPS/TTS)</th>
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</table>

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| G 7. Domicile:         |

### G 8. Mailing Information

- a. Mailing Address:
- b. Email:
- c. Telephone: (Area code, number and extension)
  - Office :
  - Mobile :
  - Res :
H. Declaration/Certificate:

It is hereby certified that:

a) PI is a full time regular faculty member (BPS or TTS)/Research Officer/Employee or is hired on contract not less than the project life.

b) Equipment(s) demanded for the subject project is / are not available in the University / Institute.

c) This project has not been submitted and /or funded by HEC/S&T/SDU or any other funding agency.

d) Subject project is genuinely novel and that there is no plagiarized material including self-plagiarism.

e) PI and Co-PI have never been blacklisted by HEC/S&T/SDU or any other funding agency.

f) Host University/Research Institute will provide complete support for the establishment & operation of this project, if funded by HED, and also provide other facilities including land, building, space, laboratories, machinery, equipment, transport, amenities including utilities and other services throughout the life cycle of this project.

Signature of Principal Investigator

Signature of Co-Principal Investigator

Signature with Stamp of Director
(ORIC)/Research Office/Registrar Office

Signature with Stamp of the Head of Institution
PROJECT DETAILS

1. Project Summary (Describe the proposed research)

2. Proposed Goals/Objectives (Please identify quantifiable goals)
   - If the proposed research is basic, please identify or postulate scientific hypothesis on which your proposed goal is based.
   - If the proposed research is applied, please identify the output in the form of a product or process, need or relationship to industry and also identify the end-user of your output/product.
   - Principal investigator is encouraged to make preliminary inquiries with the proposed end user and attach any certificate/document in support of the proposed research.

2A. Hypothesis/Basis of Research (If research is basic)

2B. Goals/Objectives (Please quantify your objectives. Moreover, describe how proposed research is relevant to national needs)

   i. 
   ii. 
   iii. 

2C. Identify end user/beneficiary sector/industry. (Support letter to be attached)

3. Introduction (The introduction should consist of three paragraphs; the first paragraph indicating the scientific hypothesis/commercial basis on which the project is based, the second introducing the precise nature of the project, while the final paragraph highlighting the proposed objectives in the light of the first two paragraphs).

4. Justification for the research problem (Not more than two pages)
   - In case of basic research, a comprehensive and up-to-date literature survey clearly highlighting the existing gaps and what new information will be added to the existing pool of knowledge.
   - In case of applied research, identify the sector/industry in Khyber Pakhtunkhwa which will get benefit from the process/product.
   - Justify how the proposed research will contribute to the provincial/national economy/social sector.
   - The principal investigator is encouraged to discuss the proposed research with the proposed beneficiary and attach supporting documentation.
4A. Research plan/ Methodology (Schedule/Phasing)

4B. References

5. Impact in Quantifiable Terms (Impact of proposed research on teaching/training of manpower, institutional capacity building and on local industry; on economic development of national, regional and community development).

6. Provincial Development Strategies (How and which of the strategies will be addressed in this study? Justify how the proposed research will contribute to achieve the development strategies of Khyber Pakhtunkhwa.

7. Collaborating organizations (PI’s are encouraged to collaborate with partner(s) within Khyber Pakhtunkhwa or Pakistan working in areas located in Khyber Pakhtunkhwa. While collaborating with research group (national / international or local industry):
   - Identify complementarity and/or justify the need for collaboration.
   - Clearly identify the part/s of research that will be carried out in the participating laboratory.
   - Include a letter from collaborating partner/agency expressing willingness to collaborate.
   - Mention cost sharing by collaborating institution/s.
8. Facilities and funding

8A. Facilities (Equipment available for the research project in the host university/institution)

i) .
ii) .
iii) .

8B. Facilities (Additional Equipment required for the research project in the host university/institution)

i) .
ii) .
iii) .

8C. Scientific Personnel

i) Available?
ii) Required? (Engaging research students is encouraged)

8D. Other funding available for the proposed studies (if any)

i) 
ii) 

9. Principal Investigator (In addition to the following information, also provide one-page summary of each research project completed, on-going or submitted (to HEC/S&T/SDU or any other funding agency) as PI or Co-PI.)

<table>
<thead>
<tr>
<th>Sr. #</th>
<th>Title of Project</th>
<th>Initiation date</th>
<th>Completion date</th>
<th>Amount(s) awarded</th>
<th>Funding source(s)</th>
</tr>
</thead>
</table>

(attach one page summary of each project)

9A. A Brief Resume of PI & Co-PI (Personal information, Education and experience, Title of Thesis (MS/PhD), Teaching expertise, Professional memberships, List of Publications, Books Published, Research skills, other relevant facts, references, etc.)

(Please attach CV of PI and Co-PI)
10. Estimated budget for the proposed research including essential equipments, experimental consumables with justification and quotations.

**Note:** The budget is limited to the above items and no grants will be approved for travel, salaries, remuneration office equipments

12. **Miscellaneous Information or Questions**

<table>
<thead>
<tr>
<th>Miscellaneous Information or Questions</th>
<th>Yes or no</th>
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<tbody>
<tr>
<td>A. How many research associates/students funded by HEC or any other organization, the PI has?</td>
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<td>B. How many non-funded research scholars are registered with PI?</td>
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<td>C. The published research articles:</td>
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<tr>
<td>i) Number of research articles published as a first author.</td>
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<td>ii) Number of research articles published as a co-author with your own M-Phil/PhD student.</td>
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<td>iii) Number of research articles published as a co-author with other researchers.</td>
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<td>D. Research Projects</td>
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<tr>
<td>i) Number of research projects as PI funded by HEC/S&amp;T/SDU or any other funding agency.</td>
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<tr>
<td>ii) Number of research projects as PI funded by other agencies.</td>
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<tr>
<td>iii) Number of research projects as Co-PI funded by HEC/S&amp;T/SDU or any other funding agency</td>
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<td>iv) Number of research projects as Co-PI funded by other agencies.</td>
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</table>
13. **Check list/ Have you filled/attached copies of all required documents?**

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<tr>
<th>Sr. #</th>
<th>Check list/ required documents</th>
<th>Tick (✔) Yes or No</th>
<th>Reference page No.</th>
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<tbody>
<tr>
<td>1.</td>
<td>Is PI a full time regular faculty member (BPS or TTS)/Research Officer/Employee or on contact not less than project life?</td>
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<td>2.</td>
<td>Has PI never been black listed by HEC/S&amp;T/SDU or any other funding agency?</td>
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<td>3.</td>
<td>Is PI not executing any project whose completion is delayed by three (03) years? (If No, please specify their ID number.)</td>
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<td>4.</td>
<td>Is PI not currently executing or has submitted two or more NRPU projects.</td>
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<td>5.</td>
<td>Is Turnitin report of the proposal attached?</td>
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<td>7.</td>
<td>Have relevant university authorities affixed signatures with date &amp; stamps on the Declaration Certificates? (Section H of cover sheet for proposal at page # 3)</td>
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<td>8.</td>
<td>Has a brief of the impact of research project been attached? (Section-5)</td>
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<td>9.</td>
<td>Is industry support letter attached? (Section-2C)</td>
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<td>10.</td>
<td>Has a letter of consent from collaborating partner/agency expressing willingness to collaborate been attached? (Section-7)</td>
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<td>11.</td>
<td>Is one page summary of each project of PI already completed/ running/ submitted to any funding agency been attached? (Section-9)</td>
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<td>12.</td>
<td>Is equipment demanded for the execution of the subject project not available with the University/Research Institute? (Section-10)</td>
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<td>13.</td>
<td>Have original Invoices / Quotations for permanent equipment been attached? (Section-10)</td>
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<td>14.</td>
<td>Have year-wise cost and quantities of each expendable item been given (Section-10)?</td>
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<td>15.</td>
<td>Has head of institution duly endorsed the application (Section-14) of the application form?</td>
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<td>16.</td>
<td>Have you provided project activities on GANTT Chart?</td>
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<td>17.</td>
<td>Have all fields of research proposal been carefully filled and counter checked by the PI?</td>
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<td>18.</td>
<td>Have you prepared 04 sets of research proposal (Hard copies) along with soft/scaned copies on Prescribed Application Form?</td>
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<tr>
<td>SIGNATURE OF PI</td>
<td>Signature of the Director ORIC/Research Office /Registrar Office (with Stamp)</td>
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<td>SIGNATURE OF CO-PI</td>
<td>Endorsement of the Head of Institution (Vice-chancellor/Rector of University/Director)</td>
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<td>Date</td>
<td>Signature &amp; Stamp</td>
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<td>Name &amp; Title:</td>
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<td>Phone: E-mail</td>
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<td>Fax: Date</td>
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The Khyber Pakhtunkhwa Higher Education Research Endowment Fund has been established with initial seed money of Rs. 500 million under the Khyber Pakhtunkhwa Higher Education Research Endowment Fund Act, 2004. Profit proceeds of the fund shall initially be utilized for financing research in the natural and social sciences in all the public sector universities; and award of research grants to deserving scholars and scientist from the private sector and retired/experienced government servants having a science & technology and development economics backgrounds. Research Grants proposals submitted to KPKHED undergo a procedure of rigorous peer review by top experts in the field as per established international norms.

### Purpose and Nature
- Research grants are awarded on competitive merit for high-level and promising scientific research projects to be carried out in Khyber Pakhtunkhwa by university teachers/researchers from research institutes and scientist from the private sector and retired/experienced government servants having a science & technology and development economics backgrounds. The purpose of these grants is to promote scientific research in areas relevant to KPK provincial/national needs.

### Research Domain
- The Research Grants from HEREF provides support for research projects in areas that focus on the natural resources of the province, local industry, import export potential and its contribution to the economy. Research grants are awarded in the following broad categories with special focus to the above mentioned areas.
  a. Engineering/Applied/Physical Sciences
  b. Medical/Biological Sciences
  c. Social Sciences/Management/I.T./Humanities

### Duration
- A research grant will preferably be given to short termed projects of 1 year duration however, there is no restriction on the lower limit.

### Eligibility and Qualification
- The PI and Co-PI shall meet the following eligibility criteria:
  i. Atleast the PI or Co-PI shall be a regular employee/faculty member of a public sector university or a research institute with sufficient research background.
  ii. PI and Co-PI shall not be below the rank of lecturer, research officer, junior scientist or BPS-17 in case of retired government servants with sufficient research background.
  iii. Both the PI and Co-PI shall have a PhD or equivalent degree.
  iv. The PI and Co-PI shall have domicile of Khyber Pakhtunkhwa or working in Khyber Pakhtunkhwa based university/research institute or carry out the intended research in Khyber Pakhtunkhwa in collaboration with a public sector university/research institution located in Khyber Pakhtunkhwa.

### Approval Procedure
- The applications received within due date shall be preliminary scrutinized by a scrutiny committee. Scrutinized application forms shall be placed for technical review by the Technical Review Committee that will shortlist feasible and viable proposals for a presentation before the committee.
| Agreement | Successful applications recommended by the technical committee along with observations/comments on the financial component shall be placed before the Finance Committee for allocation of Funds and subsequently before the Board for approval. Disbursement to the approved proposals will be made directly to the institutions for payment to the PI/Co-PI.  
| The PI shall submit six monthly progress reports to the department. The Monitoring & Evaluation Committee will monitor the activities as per the timeline and phasing mentioned in the proposal.  
| Agreement | After the Research Grant is approved for funding, a written agreement is signed between the KPHED, the grantee (PI) and his/her institute. The host institute must administer the grant according to the agreement and provide laboratory space, and other facilities necessary for the project.  
| Machinery and equipments purchased for the projects shall be property of the institutions after successful completion of the project.  
| The research output shall be a joint property of the PI/CoPI and the university/ research organization as per intellectual Property Rights (IPR) rules.  
| The PI/CoPI in collaboration with the university/ institution shall take practical steps for the practical implementation of the research output.  
| The Project(s) will be cancelled, if PI is not following the terms & conditions of the execution of the project as recommended by the Technical Evaluation committee.  
| Progress Report | PI is required to submit a short six monthly and annual progress report along with audited funds utilization report of the project within fifteen days of the completion of each period. Progress report should highlight major achievements during the reporting period and completion of targets/goals as envisaged in the Proposal for the subject year.  
| The final report stating the objectives/goals major achievements, commercialization etc with financial statements shall be submitted to KPHED.  
| Procedure to submit the proposal/ How to apply: | Applications should be submitted on ‘Prescribed Form/Application Form’ which may be downloaded from PMU, HED website (www.hedpmu.com)  
| Four (04) sets of hard copies along with soft copy of duly filled application forms must be submitted to PMU Office on or before the due date.  
| Ethical recommendations, if required, may be provided in the form of letter of clearance obtained from relevant Institutional Ethical Review Committee.  

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<tr>
<th>Guidelines</th>
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<tr>
<td>• Application will not be entertained if</td>
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<tr>
<td>o Incomplete</td>
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<tr>
<td>o Received on prescribed form</td>
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<tr>
<td>o Not received by PMU, HED on or before the due date.</td>
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<tr>
<td>o Application forms are not signed/countersigned/endorsed by head of institution, vice chancellor/Rector/Director.</td>
</tr>
<tr>
<td>o CV of PI or Co-PI are not attached.</td>
</tr>
<tr>
<td>o Quotations of required equipment are not attached.</td>
</tr>
<tr>
<td>o Report generated by Turnitin is not attached.</td>
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<tr>
<td>o A clearance certificate from Institutional Bioethics Committee (IBC) of the university/institute concerned (if required) is not attached.</td>
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</table>