



**HIGHER EDUCATION COMMISSION  
H-9, ISLAMABAD (PAKISTAN)**

**For HEC use only**  
*Proposal Identification  
Number*

**National Research Program for Universities  
Research grants form/Application Form 2017**

**Submit your Research Proposals Online through HEC Web Portal**

**"<http://eportal.hec.gov.pk/hec-portal-web/auth/login.jsf>"**

**On or before 18 October, 2017**

**Title of Proposed Project:-----**

<b>Nature of Proposed Research:</b>	1. Basic <input type="checkbox"/> 2. Applied <input type="checkbox"/> 3. Community <input type="checkbox"/> 4. Commercialized <input type="checkbox"/> 5. Thematic <input type="checkbox"/>
<b>Domain of Proposed Research:</b>	6. Arts and Humanities <input type="checkbox"/> 7. Economic & Social Research <input type="checkbox"/> 8. Engineering & Physical Sciences <input type="checkbox"/> 9. Medical sciences <input type="checkbox"/> 10. Biotechnology & Biological Sciences <input type="checkbox"/> 11. Natural & Environment sciences <input type="checkbox"/> 12. Science and Technology
Subject (e.g. Chemistry):	
Major field (e.g. Organic Chemistry):	
Minor Field (e.g. drug):	
Specialization (Nano techniques):	
Turnitin similarity index (%):	
<b>Details of Principal Investigator (PI):</b>	
<b>Name of the PI:</b>	
Is PI appointed on BPS or TTS: If appointed on Contract:	
Contract period:	
Remaining period of the contract(RMC):	
Proposed Starting Date of Project:	
Designation of PI (Asst. Prof./Ass Prof./Prof./other):	
Grade/equivalent grade of the PI (BPS 17/18/19/20/21/22):	
Proposed Duration of Project (in months) :	

Department:	
Name of the University:	
Is University Public or Private:	
If Private university (is it eligible for public funding):	
University Campus/sub Campus:	
Province of the University:	
CNIC# of PI:	
Email address:	
Cell and Phone # :	
Total Funds Requested (in million):	
<b>Impact factor:</b>	
<b>NRPU projects with their ID No:</b>	
<b>a. Completed:</b>	
Give Project ID Nos of completed project:	
<b>b. Ongoing:</b>	
Give Project ID Nos of ongoing project:	
<b>c. Under review process</b>	
Give Project ID Nos of under review project:	
<b>Mentioned beneficiary industry: (Letter of support for industry problem to be attached)</b>	

**COVER SHEET FOR PROPOSAL**

<b>A. Title of Proposed Project</b>		
<b>B. Nature of Proposed Research</b>		
B1. Basic <input type="checkbox"/> B2. Applied <input type="checkbox"/> B3. Community <input type="checkbox"/> B4. Commercialized <input type="checkbox"/> B5. Thematic <input type="checkbox"/>		
<b>C. Domain of Proposed Research</b>		
C1. Arts & Humanities <input type="checkbox"/> C2. Economic & Social Research <input type="checkbox"/> C3. Engineering & Physical Sciences <input type="checkbox"/> C4. Medical sciences <input type="checkbox"/> C5. Biotechnology & Biological Sciences <input type="checkbox"/> C6. Natural & Environment Sciences <input type="checkbox"/> C7. Science and Technology <input type="checkbox"/>		
<b>D. Field of Proposed Research and Specialization</b> [For example; ( <b>Subject:</b> Agriculture; <b>Major Field:</b> Soil Science; <b>Minor Field:</b> Macro-nutrient; <b>Specialization:</b> Modeling)]		
D1. <b>Subject:</b>		
D2. <b>Major Field:</b>		
D3. <b>Minor Field:</b>		
D4. <b>Specialization:</b>		
<b>E. Project Digest</b> (Describe the proposed research geared to the non-specialist reader)		
E1. Quantifiable measure of impact on society after project completion.		
E2. Proposed Duration of Project: (in months)	E3. Proposed Starting Date	E4. Total Funds Requested (in million)
<b>F. Details of Principal Investigator (PI)</b>		
F1. Full Name of PI (First-Middle-Last)	F2. Highest Degree	F3. Position/Title (BPS/TTS)
F4. Department/Section	F5. University/Institution	F6. CNIC / Passport:
F7. Mailing Information		
a. Mailing Address:	b. Email:	c. Telephone: (Area code, number and extension) Office : Mobile: Res:
<b>G. Details of Co-PI</b>		
G1. Full Name of Co-PI (First-Middle-Last)	G2. Highest Degree	G3. Position/Title (BPS/TTS)
G4. Department/Section	G5. University/Institution	G6. CNIC / Passport:
G7. 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) or is hired on contract not less than project life.
- b) Equipment(s) demanded for the subject project is / are not available in the University / Institute.
- c) No portion of this project has been submitted and /or funded by HEC or any other funding agency.
- d) Subject project is genuinely novel and that there is no plagiarized material including self-plagiarism.
- e) PI has never been blacklisted by HEC.
- f) PI is neither currently executing two projects (ongoing) nor has submitted/ already submitted two projects simultaneously under any of HEC grants program, e.g. NRPU or UITSP or TDF or TRGP or Pak-US etc.
- a) PI is not executing any NRPU project whose completion is delayed by three (03) years
- b) Host University/DAI will provide complete support for the establishment & operation of this project, if funded by HEC, 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 with Stamp of Director  
(ORIC)/Research Office/Registrar Office**

**Signature with Stamp of the Head of Institution**  
(Vice-chancellor/Rector of University/  
Director of Degree Awarding 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 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 industry in Pakistan which will get benefit from the process/product.
- Justify how the proposed research will contribute to the 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)

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#### 4B. References

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**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).

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**6. Sustainable Development Goals (SDG's)** (How and which of the SDG's will be addressed in this study? Justify how the proposed research will contribute to achieve SDG's of Pakistan. For details on SDG's /s please visit:)

- <http://undocs.org/A/68/970>
- <http://www.un.org/sustainabledevelopment/sustainable-development-goals>
- <http://www.slideshare.net/derekschwabe/the-17-proposed-sustainable-development-goals>

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**7. Collaborating organizations** (PI's are encouraged to collaborate with partner(s) within Pakistan, preferably from under developed areas. 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.

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#### 8. Facilities and funding

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

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- i) .
- ii) .
- iii) .

**8B. Facilities** (Equipment not available 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)**

**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 or any other funding agency) as PI or Co-PI.)

Sr. #	Title of Project	Initiation date	Completion date	Amount(s) awarded	Funding source(s)
(attach one page summary of each project)					

**9A. A Brief Resume of 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 period: PLEASE NOTE THAT AS PER NRPU POLICY:**

- a) No foreign payment could be made either to any firm for the purchase of any item or to any foreigner Co-PI.
- b) International travel is not allowed. However, PI may go abroad if he/she is funding/supported by a collaborating partner.
- c) However, travel expenditure as per actual can be claimed under head local travel but maximum up to 0.2 million per year.
- d) Food/entertainment expenditure can not be demanded in the budget.
- e) The only studentship is allowed (M. Phil./MS/MSc(Hons)/PhD students)
- f) No research associate/research assistant/field assistant/field surveyor/ or any supporting staff etc. can be engaged other than studentship in the project.
- g) However daily paid labor (DPL) can be demanded for a specific time period and may be hired at university rates if justified under the proposal.
- h) Secretariat Staff (if required & justified by PI) is allowed @ Rs=18,000 per year.
- i) No coordinator/consultant is allowed to be hired as it is the responsibility of PI/Co-PI.
- j) Total amount of the project would never be exceeded 20 million in any case if PI,s impact factor allowed.
- k) If permanent equipment/s are already available in the host university/institute or their contribution in the execution of the project is not significant, please cut them down.
- l) If year wise quantity and cost of expandable supplies demanded is not justified either these are not required or overestimated? Please cut them down to a reasonable size.

Description	% of time devoted to project	year 1	year 2	year 3	Amount (in million Rs.)
<b>A. Salaries and Honorarium</b>					
<b>PI:</b> (Either on BPS or TTS) One month initial basic pay of scale per year on following rates: Assistant Professor: Rs=59210/- Associate Professor: Rs=69090/- Professor: Rs=76720/-					
<b>Co-PI:</b> (Either on BPS or TTS) One month initial basic pay of scale once in entire project life on following rates: Assistant Professor: Rs=59210/- Associate Professor: Rs=69090/- Professor: Rs=76720/-					
<b>Studentships @</b>					
Rs=25000/- per month for Ph.D.					
Rs=20000/- per month for M.S./M.Phil.					
Subtotal:					

<b>B. Permanent Equipment</b> (Please attach invoice/quotation and expected delivery date for items costing Rs. 0.1 million or above)					
Subtotal:					





<b>G. Indirect cost</b> (University overheads)					
15% of total direct cost to meet office support and utilities etc. of ORIC (If ORIC office is fully functional). OR					
02% of total direct cost to meet research office support and utilities, etc. (if ORIC is not established).					
Subtotal:					
<b>Grand Total (A + B + C + D + E + F+ G):</b>					

### 11. Justification

A. **Salaries & Allowances** (Please provide justification for studentship)

B. **Permanent Equipment** (Please identify and justify major items costing over 0.1 million)

C. **Expendable supplies** (Justification and details of cost and quantity required)

D. **Other Costs.** (Justification for travel cost – not exceeding 2 lac per year )

## 12. Miscellaneous Information or Questions

Miscellaneous Information or Questions	Yes or No / #
A. Whether HEC approved supervisors as per HEC rules are available in the institute of PI or not?	
B. How many research students are already registered with PI?	
C. How many research associates/students funded by HEC or any other organization, the PI has?	
D. How many non-funded research scholars are registered with PI?	
E. The published research articles:	
F. Number of research articles published as a first author.	
G. Number of research articles published as a co-author with your own M-Phil/PhD student.	
H. Number of research articles published as a co-author with other researchers.	
I. Research Projects	
J. Number of research projects as PI funded by HEC.	
K. Number of research projects as PI funded by other agencies.	
L. Number of research projects as Co-PI funded by HEC	
M. Number of research projects as Co-PI funded by other agencies.	

### 13. Check list/ Have you filled/attached copies of all required documents?

Sr. #	Check list/ required documents	Tick (✓) Yes or No	Reference page No.
1.	Is PI a full-time regular faculty member (BPS or TTS) or on contact not less than project life of any public sector university/DAIs or private sector university/DAIs eligible for public funding ( list of 29 private sector universities/DAIs is given below). PI must have an advance academic degree & relevant experience (PhD or M.Phil./MS) and working as academican/researcher but not as administrator?		
2.	Is PI submitted his/her research proposals online through HEC web portal " <a href="http://eportal.hec.gov.pk/hec-portal-web/auth/login.jsf">http://eportal.hec.gov.pk/hec-portal-web/auth/login.jsf</a> " on or before <b>18 October, 2017</b> .		
3.	Has PI never been black listed by HEC?		
4.	Is PI not executing any NRPU project whose completion is delayed by three (03) years? (If No, please specify their ID number.)		
5.	Is PI not currently executing or has submitted two or more projects simultaneously under any of HEC funded research grant programs either under NRPU or UITSP or TDF or TRGP or Pak-US etc. (either ongoing, submitted, under review, etc).		
6.	Is <b>Turnitin</b> report of the proposal attached?		
7.	Is PI attached his appoint letter?		
8.	Has a clearance certificate from Institutional Bioethics Committee (IBC) of the university/DAI concerned attached (if required)?		
9.	Have relevant university authorities affixed signatures with date & stamps on the <b>Declaration Certificates?</b> (Section <b>H</b> of cover sheet for proposal at page # 3)		
10.	Has a brief of the impact of research project been attached? (Section-5)		
11.	Is industry support letter attached? (Section-2C)		
12.	Has a letter of consent from collaborating partner/agency expressing willingness to collaborate been attached? (Section-7)		
13.	Is one page summary of each project of PI already completed/ running/ submitted to any funding agency been attached? (Section-9)		
14.	Is equipment demanded for the execution of the subject project not available with the University / DAI? (Section-10B)		
15.	Have original Invoices / Quotations for permanent equipment costing over Rs.0.1 million or more been attached? (Section-10B)		
16.	Have year-wise cost and quantities of each expendable item been given (Section-10C)?		
17.	Has tentative and detailed schedule of local visits (annual plan) with justification and rates been attached (if study involves field survey/field work).  Please note that TA/DA is not allowed under NRPU, however, estimated expenditure as per original may be demanded? (Section-10D)		
18.	Has head of institution duly endorsed the application (Section-14) of the application form?		
19.	Is total cost of the research project in line with the financial		





**HIGHER EDUCATION COMMISSION**  
**H-9, Islamabad (Pakistan)**  
**Phone: (051) 90401924 Fax: (051) 90401902**

**INSTRUCTIONS SECTION**  
**NATIONAL RESEARCH PROGRAM FOR UNIVERSITIES**  
**INSTRUCTIONS FOR APPLICANTS**

Lack of basic equipment, laboratory supplies, scientific literature and financial resources is often a great impediment to the productivity of many creative and talented professors and researchers in institutions of higher learning. In most cases these researchers need modest financial support for research projects to enable them to pursue their research. In the absence of such support, the researchers, particularly faculty members are discouraged and do not indulge in research. Hence, to avoid such situations, HEC has initiated 'National Research Program for Universities' (NRPU) under which creative faculty members of Universities / DAIs are awarded grants to enable them to conduct their research. Research Grants proposals submitted to HEC undergo a procedure of rigorous peer review by top experts in the field as per established international norms.

<b>Purpose and Nature</b>	<ul style="list-style-type: none"><li>• Research grants are awarded on competitive merit for high-level and promising scientific research projects to be carried out in Pakistan by university teachers. The purpose of these grants is to promote scientific research in areas relevant to national needs.</li></ul>
<b>Research Domain</b>	<ul style="list-style-type: none"><li>• The Research Grants Program provides support for research projects in all disciplines of Science, Engineering and Technology, Social Sciences, and Humanities.</li><li>•</li></ul>
<b>Duration</b>	<ul style="list-style-type: none"><li>• A research grant will normally be provided for a period of one to three years. However, there is no restriction on the lower limit.</li><li>•</li></ul>
<b>Eligibility and Qualification</b>	<ul style="list-style-type: none"><li>• The PI has to be a full-time regular faculty member (BPS or TTS) or on contact not less than project life of any public sector university/DAIs or private sector university/DAIs eligible for public funding ( list of 29 private sector universities/DAIs is given below).</li><li>• He/she should have an advance academic degree &amp; relevant experience (PhD or M.Phil/MS) and</li><li>• Working as academician/researcher but not as administrator.</li></ul>
<b>Approval Procedure</b>	<ul style="list-style-type: none"><li>• HEC has designated focal points/Reviewers in all disciplines / sub disciplines. They are the top experts in their fields. All research grants proposals are forwarded to these focal points for evaluation by at least three experts.</li><li>• Focal points/Reviewers will do initial screening of the projects sent to them by HEC.</li><li>• In case they do not consider a project suitable for funding, they can reject the project at their level or send it back to HEC for revision by PI, if they so desire.</li></ul>

	<ul style="list-style-type: none"> <li>• The comments of focal points and reviewers are considered as the final decision in the case.</li> <li>• Each of the reviewers is paid Rs=8000/- as a token of their valuable contribution to review the research proposal as per HEC policy.</li> <li>•</li> </ul>
<b>Agreement</b>	<ul style="list-style-type: none"> <li>• After the Research Grant is approved for funding, a written agreement is signed between the HEC, the grantee (PI) and his/her institute.</li> <li>• The host institute must administer the grant according to the agreement and provide laboratory space, and other facilities necessary for the project. The equipment, material and literature provided for the project through the Research Grants Program remains the in the custody of the institute after the project is completed.</li> <li>• The grantee must keep the HEC properly informed about any applications of the results obtained and acknowledge support from HEC in all publications or presentations. Any research result obtained under the NRPU must be made freely available without restrictions</li> <li>• The Project(s) will be cancelled, if PI is not following the terms &amp; conditions laid down by HEC.</li> <li>•</li> </ul>
<b>Annual Report</b>	<ul style="list-style-type: none"> <li>• PI is required to submit a short annual report along with audited funds utilization report of the project within fifteen days of the completion of each year. Progress report should highlight major achievements during the reporting period and completion of targets/goals as envisaged in the Proposal for the subject year.</li> <li>• The release of the subsequent year award is tied up with the approval of the Annual Progress Report by the experts as satisfactory.</li> </ul>
<b>NRPU Policy points</b>	<ul style="list-style-type: none"> <li>• <b>As per NRPU policy:</b> <ol style="list-style-type: none"> <li>a) No foreign payment could be made neither to any foreign firm for the purchase of any item or to any foreigner Co-PI.</li> <li>b) International travel is not allowed under NRPU. However, PI may go abroad if he/she is funded/supported by a collaborating partner.</li> <li>c) TA/DA is not allowed to any of the PI, Co-PI and student etc,</li> <li>d) However, travel expenditure as per actual may be claimed under head local travel but maximum up to 0.2 million per year per project.</li> <li>e) Any type of food/entertainment expenditure may not be demanded in the budget of NRPU.</li> <li>f) The only studentship is allowed (M. Phil./MS/MSc(Hons)/PhD students)</li> <li>g) No research associate/research assistant/field assistant/field surveyor/ or any supporting staff etc. can be engaged other than studentship in the project.</li> <li>h) However daily paid labor (DPL) can be demanded for a specific time period</li> </ol> </li> </ul>

	<p>and may be hired at university rates if justified under the proposal.</p> <p>i) Secretariat Staff (if required &amp; justified by PI) is allowed @ Rs18,000/year.</p> <p>j) No coordinator/consultant is allowed to be hired as it is responsibility of PI/Co-PI.</p> <p>k) Next installment is released after deducting previous unspent amount reflected by PI in his/her audited expenditure statement submitted to HEC.</p> <p>a) PI must make all expenditure in accordance with the Government rules/regulations such as PPRA rules.</p> <p>b) All accounts of these funds shall be maintained as per Government rules and are subject to audit.</p> <p>c) Project funds are released upon receipt of grant from Govt. of Pakistan.</p> <p>d) The total amount of the project would never be exceeded 20 million in any case if PI,s impact factor allowed as explained below:</p>																								
	<ul style="list-style-type: none"> <li>• <b>Permissible limits of HEC are with reference to the cumulative Impact Factor of the Principal Investigator, given as under:</b> <p style="text-align: center;"><b>For Physics, Chemistry and Biology</b></p> <table border="1" data-bbox="654 936 1281 1224"> <thead> <tr> <th>Impact Factor</th> <th>Eligible Amount (Rs. Million)</th> </tr> </thead> <tbody> <tr> <td>100 or above</td> <td>20</td> </tr> <tr> <td>50 – 99</td> <td>17</td> </tr> <tr> <td>20 – 49</td> <td>15</td> </tr> <tr> <td>10 – 19</td> <td>12</td> </tr> <tr> <td>0 – 9</td> <td>10</td> </tr> </tbody> </table> <p style="text-align: center;"><b>For Remaining Disciplines</b></p> <table border="1" data-bbox="654 1329 1281 1617"> <thead> <tr> <th>Impact Factor</th> <th>Eligible Amount (Rs. Million)</th> </tr> </thead> <tbody> <tr> <td>50 or above</td> <td>20</td> </tr> <tr> <td>25-49</td> <td>17</td> </tr> <tr> <td>10-24</td> <td>15</td> </tr> <tr> <td>5-9</td> <td>12</td> </tr> <tr> <td>0-4</td> <td>10</td> </tr> </tbody> </table> </li> </ul>	Impact Factor	Eligible Amount (Rs. Million)	100 or above	20	50 – 99	17	20 – 49	15	10 – 19	12	0 – 9	10	Impact Factor	Eligible Amount (Rs. Million)	50 or above	20	25-49	17	10-24	15	5-9	12	0-4	10
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<b>HEC provides funds as per following details:</b>		
<b>SR. #</b>	<b>Items</b>	<b>Total Allocation</b>
1.	Equipment	As per requirements of the project
2.	Chemical/Glassware (with full justification and details of quantity required for the project)	As per requirements of the project
3.	Accessories	As per requirements of the project (with full justification)
4.	Journal Publication fee/on line material	As per requirement of the project up to Rs. 50,000/-
5.	Honorarium for PI One month initial basic pay of scale per year on mentioned rates either PI is working on BPS or TTS	Assistant Professor @ Rs=59210/- Associate Professor @ Rs=69090/- Professor @ Rs=76720/-
6.	Honorarium for Co-PI (if justified) One month initial basic pay of scale once in entire project life on mentioned rates either Co-PI is working on BPS or TTS	Assistant Professor @ Rs=59210/- Associate Professor @ Rs=69090/- Professor @ Rs=76720/-
7.	Studentships <ul style="list-style-type: none"> <li>• MS/M.Phil. students</li> <li>• Ph.D. students</li> </ul>	@ Rs. 20,000/- per month @ Rs. 25,000/- per month
8.	<b>Local Travel:</b> ( if required and full justified) a) International travel is not allowed. However, PI may go abroad if he/she is funding/supported by a collaborating partner. b) TA/DA is not allowed to any of the PI, Co-PI and student etc, c) However, travel expenditure as per actual can be claimed under head local travel but maximum up to 0.2 million per project. d) Moreover, students will be allowed only to reimburse their actual expenditures incurred during their field visit if any.	Maximum 0.2 million (02 lac) per year or as per actual expenditure if field work/survey is involved; (Tentative schedule of visits for all the years of project life along with full justification and rates/calculations as per actual expenditure)
9.	Secretariat Staff (if required)	Rs. 18,000 per year
10.	Stationary/Contingencies	Rs. 10,000 per year
11.	<b>Any type of entertainment</b>	<b>Not Allowed</b>
12.	Audit/Accounts	Rs. 20,000 (maximum)
13.	Other specific requirements	Depending upon the nature of the project if fully justified
14.	<b>University overhead</b>	to meet office support and utilities etc. of ORIC
	If ORIC is notified by HEC	15% of total direct cost
	If ORIC is not notified by HEC	02% of total direct cost

**Note:** - If a university teacher working as PI or Co-PI in more than one project, he/she may get only one month's Initial Basic Pay under any one of his / her project.

**Financial Provision**

<p><b>Guidelines</b></p>	<ul style="list-style-type: none"> <li>• The PI has to be a full-time regular faculty member (BPS or TTS) or on contact not less than project life of any public sector university/DAIs or private sector university/DAIs eligible for public funding ( list of 29 private sector universities/DAIs is given below).</li> <li>• Period of execution of the Research project should not be exceeding three (03) years.</li> <li>• TA/DA is not allowed under NRPU projects, however, estimated expenditure as per original may be demanded? (Section-10D).</li> <li>• Foreign visits are not allowed under NRPU grants.</li> <li>• <b>Any application will not be entertained if</b> <ul style="list-style-type: none"> <li>○ Incomplete filled</li> <li>○ Filed on outdated Application Forms (<i>New Application Form accessible at <a href="http://www.hec.gov.pk/nrpu">www.hec.gov.pk/nrpu</a></i>)</li> <li>○ Either PI does not submit original hard copy of proposal to the respective ORIC Office/Research Office/Registrar Office or ORIC/Research offices does not submit original hard copies to R&amp;D Division of HEC on or before the closing <b>date, 18-10-2017.</b></li> <li>○ PI is executing any NRPU project whose completion is delayed by three (03) years.</li> <li>○ PI is currently executing or has submitted two or more than two projects simultaneously for consideration under any of HEC funded research grant programs either under NRPU or UITSP or TDF or TRGP or Pak-US etc. (either ongoing, submitted, under review, etc.).</li> <li>○ PI has been black listed by HEC.</li> <li>○ Applications are directly submitted to HEC, bypassing ORIC/Research Office/Office of the Registrar of the respective university.</li> <li>○ Application forms are not signed/countersigned/endorsed by head of institution, vice chancellor/Rector/Director of DAIs.</li> <li>○ CV of PI or Co-PI are not attached.</li> <li>○ Quotations of required equipment, worth over Rs. 0.1 Million are not attached.</li> <li>○ Report generated by <b>Turnitin</b> is not attached.</li> <li>○ A clearance certificate from Institutional Bioethics Committee (IBC) of the university/DAI concerned (if required) is not attached.</li> <li>○ Industrial support letter (if required) is not attached.</li> <li>○ Copy of appointment letter is not attached.</li> <li>○ Proposals has already submitted under "<b>Thematic Research Grants Programme 2017-18</b>" for funding.</li> </ul> </li> </ul>
<p><b>Procedure to submit the proposal/ How to apply:</b></p>	<ul style="list-style-type: none"> <li>• The applicants will submit their research proposals online through HEC web portal "<a href="http://eportal.hec.gov.pk/hec-portal-web/auth/login.jsf">http://eportal.hec.gov.pk/hec-portal-web/auth/login.jsf</a>" on or before <b>18 October, 2017.</b></li> <li>• The Principal Investigator (PI) has to submit one complete set of original hard copy of the proposal duly signed from all relevant authorities of the university along with soft copy of duly filled <u>Application Form 2017</u> to the Office of Research Innovation and</li> </ul>

	<p>Commercialization (ORIC)/Research Office/Office of the Registrar of respective university to make it available -via surface mail/Special Messenger– along with complete record of all the proposals to Director (R&amp;D), HEC to HEC (NRPU) <b>on or before 18-10-2017</b> .</p> <ul style="list-style-type: none"> <li>• Ethical recommendations, if required, may be provided in the form of letter of clearance obtained from relevant Institutional Ethical Review Committee.</li> <li>• Industrial support letter (if required) may be provided in the form of letter from the respective industry having complete address, contact # (phone &amp; cell).</li> </ul>
<p><b>Guidelines for ORIC/Research Office/Registrar Office</b></p>	<ol style="list-style-type: none"> <li>1. The applicants will submit their research proposals online through HEC web portal "<a href="http://eportal.hec.gov.pk/hec-portal-web/auth/login.jsf">http://eportal.hec.gov.pk/hec-portal-web/auth/login.jsf</a>" on or before <b>18 October, 2017</b>.</li> <li>2. The Principal Investigator (PI) has to submit one complete set of original hard copy of the proposal duly signed from all relevant authorities of the university along with soft copy of duly filled <u>Application Form 2017</u> to HEC, through the Office of Research Innovation and Commercialization (ORIC)/Research Office/Office of the Registrar of your university.</li> <li>3. The ORIC/Research Office/Office of the Registrar of the respective university will ensure while receiving hard &amp; soft copy of the proposal from the PIs that original relevant documents are attached with, in line with the <u>checklist</u>.</li> <li>4. Furthermore, ORIC/Research Office/Office of Registrar of respective university will compile basic information of all research proposal(s) of respective university in a single <u>MS-Excel Sheet</u>, as per enclosed template &amp; will make it available along with complete record of all the proposals to HEC.</li> <li>5. The ORIC/ Research Office/Registrar Offices will ensure that same online system generated project ID# must be allotted to each of the received research proposal (hard copy &amp; soft copy) and on <u>MS-Excel Sheet</u> so that same proposal may be traced in hard/soft form using <u>MS-Excel Sheet</u>.</li> <li>6. After doing all needful, the ORIC/Research Office/Office of the Registrar will send a complete bundle consisting of all the Research Proposals from their respective universities (one complete set of duly filled original hard copy &amp; soft copy each), along with complete record of all the proposals in a single <u>MS-Excel Sheet</u> –via surface mail/Special Messenger– to Director (R&amp;D), HEC on or before 18-10-2017.</li> </ol> <ul style="list-style-type: none"> <li>•</li> </ul>

<p><b>Domain of Proposed Research:</b></p>	
<p><b>1.Arts and Humanities</b></p>	<ol style="list-style-type: none"> <li>a) history (ancient, medieval and modern);</li> <li>b) classics;</li> <li>c) archaeology;</li> <li>d) modern languages and linguistics;</li> <li>e) English language and literature;</li> <li>f) the visual arts and media;</li> <li>g) librarianship, information and museum studies;</li> <li>h) philosophy, law, religious studies;</li> <li>i) music and creative and performing arts</li> </ol>
<p><b>2.Economic &amp; Social Research</b></p>	<ol style="list-style-type: none"> <li>a) sociology;</li> <li>b) economics;</li> <li>c) anthropology;</li> <li>d) political science;</li> <li>e) area or regionally based research and geography;</li> <li>f) international relations;</li> </ol>

	<ul style="list-style-type: none"> <li>g) cultural and media studies;</li> <li>h) law and linguistics;</li> <li>i) Psychology.</li> </ul>
<b>3. Engineering &amp; Physical Sciences</b>	<ul style="list-style-type: none"> <li>a) mathematics;</li> <li>b) chemistry;</li> <li>c) physics;</li> <li>d) materials science;</li> <li>e) engineering;</li> <li>f) computer science, high performance computing;</li> <li>g) energy research;</li> <li>h) research into the built environment;</li> <li>i) information and communications technology;</li> <li>j) research into innovative manufacturing</li> </ul>
<b>4. Medical sciences</b>	<ul style="list-style-type: none"> <li>a) use of animals in research;</li> <li>b) antibiotic resistance;</li> <li>c) brain sciences;</li> <li>d) genomics and proteomics;</li> <li>e) health of the public;</li> <li>f) intensive care;</li> <li>g) patient safety research;</li> <li>h) Stem cell research.</li> </ul>
<b>5. Biotechnology &amp; Biological Sciences</b>	<ul style="list-style-type: none"> <li>a) Genomics, stem cell biology, and bio-nanotechnology, that provide a basis for new technologies in healthcare, food safety, plant and livestock breeding, and bio-processing;</li> <li>b) Whole organism biology relevant to the understanding of diet and health, ageing, animal health and welfare, infectious diseases and immunity, and crop productivity;</li> <li>c) Biological populations and systems that underpin agricultural sustainability, biodiversity and novel bio-based and renewable processes for energy and manufacturing.</li> </ul>
<b>6. Natural &amp; Environment sciences</b>	<ul style="list-style-type: none"> <li>a) geo- and earth sciences, hydrology, soil science, atmospheric research and oceanography;</li> <li>b) biological and microbiological research on animal and plant biodiversity, population dynamics and ecology;</li> <li>c) climate change research;</li> <li>d) environmental chemistry and physics;</li> <li>e) satellite based Earth observation;</li> <li>f) polar research;</li> <li>g) Management of land and natural resources.</li> </ul>
<b>7. Science and Technology</b>	<ul style="list-style-type: none"> <li>a) astronomy;</li> <li>b) computational science;</li> <li>c) energy;</li> <li>d) nuclear physics;</li> <li>e) particle physics;</li> <li>f) Space science.</li> </ul>

**Mandatory Documents to be uploaded on HEC (NRPU) web Portal:**

1. Please upload Detailed CVs of PI and all Co-PI duly signed by all.
2. Appointment letter of PI must be uploaded
3. Letter of Support for Industry Problem to be uploaded (**SECTION-2C**).
4. A Letter of Consent from Collaborating Partner/Agency Expressing Willingness to Collaborate to be uploaded? (**SECTION-7**)
5. Turnitin Report of the Proposal to Be Uploaded.
6. Clearance Certificate from Institutional Bioethics Committee (IBC) Of the University/Dai Concerned To Be Uploaded.
7. A Brief of the Impact of Research Project to Be Uploaded (**SECTION-5**).
8. One Page Summary of Each Project of PI Already Completed/ Ongoing/ Submitted to any Funding Agency/HEC to Be Uploaded. (**SECTION-9**).
9. Original invoices / quotations for permanent equipment costing over rs.0.1 million or more to be uploaded? (**SECTION-10B**).
10. Tentative and detailed schedule of local visits (annual plan) with justification and rates been provided (if study involves field survey/field work). Please note that TA/DA is not allowed, however, estimated expenditure as per original may be demanded? (**SECTION-10D**).

11. Please upload project activities on Gantt chart.
12. Please Upload Year-Wise Cost and Quantities of Each Expendable Item Demanded With Full Justification (SECTION-10C)?
13. Please Uploaded Page (**Section H. of cover sheet for proposal “H. Declaration/Certificate”**) after Getting Signed from relevant university authorities with date & stamps on the declaration certificates?. Please download template.



Template of  
Certificate.docx

14. Please upload page “**head of institution duly endorsed the application (section-14) of the application form?** Please download template.



Template of  
Original Signatures

15. Please upload a certificate from the Director ORIC of your university stating that PI has handed over original hard copy of the proposal after submitting same on NRPU Automania for onward submission to HEC.
16. Please upload any other document that you need to be mandatory. **Optional**

**Director (R&D)**  
**Higher Education Commission**  
**Sector H-9, Islamabad**  
Email: [adhussain@hec.gov.pk](mailto:adhussain@hec.gov.pk);

<b>Please Feel Free To Contact For General Correspondence/ Queries With Following Officers</b>		
<b>(For Release of 3<sup>rd</sup>/ Final installment)</b>	<b>(For Release of Award letter/1<sup>st</sup> installment)</b>	<b>(For Release of 2<sup>nd</sup> installment)</b>
<b>Ms. Farida Anjum</b> <b>Deputy Director</b> <b>Ph# 051-90401916</b> R&D, HEC, Sector H-9 Islamabad. E-mail: <a href="mailto:fdanjum@hec.gov.pk">fdanjum@hec.gov.pk</a>	<b>Ms. Afeefa Irshad</b> <b>Deputy Director</b> <b>Ph# 051-90401919</b> R&D, HEC, Sector H-9 Islamabad. E-mail: <a href="mailto:airshad@hec.gov.pk">airshad@hec.gov.pk</a>	<b>Mr. Sayyed Anwer Ali Shah</b> <b>Assistant Director</b> <b>Ph# 051-90401934</b> R&D, HEC, Sector H-9 Islamabad. E-mail: <a href="mailto:aashah@hec.gov.pk">aashah@hec.gov.pk</a>