5. **HEC Outstanding Research Awards (ORA)**

Program # HEC/R&D/ORA/P-005
Application Form # HEC/R&D/BEST BOOK AWARD/ F-005 A,
Application Form # HEC/R&D/BEST INNOVATOR AWARD/F-005 B,
Application Form # HEC/R&D/BEST RESEARCH PAPER AWARD/F-005 C,
Application Form # HEC/R&D/BEST YOUNG RESEARCHER AWARD/F-005 D (S&E),
Application Form # HEC/R&D/BEST YOUNG RESEARCHER AWARD/F-005 D (SS)

Approving Authority:

**Overview**

The program aims to recognize and reward the achievements of Pakistani researchers/scholars for excellence in research, innovation and publications in all fields of study.

**Program Objectives**

The main objective of these awards is to acknowledge the high performance of the Pakistani faculty and researchers and thus promote a competitive research culture in higher education and R&D institutions.

**Awards’ Categories**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Categories</th>
<th>Amount per award (Rs)</th>
<th>Number of Awards</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Best Research Paper *</td>
<td>70,000 *</td>
<td>37</td>
</tr>
<tr>
<td>2</td>
<td>Best Young Research Scholar</td>
<td>150,000</td>
<td>9</td>
</tr>
<tr>
<td>3</td>
<td>Best Innovator</td>
<td>200,000</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Best Book</td>
<td>300,000</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>56</strong></td>
<td></td>
</tr>
</tbody>
</table>

* Cash Award for Best Research Paper will be distributed equally among all authors of the paper except foreign nationals.

**Discipline Wise Number of Awards**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Discipline</th>
<th>Best Research Paper</th>
<th>Best Young Research Scholar</th>
<th>Best Innovator</th>
<th>Best Book</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Natural Sciences</td>
<td>7</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Biological Sciences</td>
<td>7</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Agricultural Sciences</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Health Sciences</td>
<td>3</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Pure Engineering</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Computer Science/Engineering</td>
<td>3</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>7.</td>
<td>Social Sciences</td>
<td>5</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>8.</td>
<td>Management Sciences</td>
<td>2</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>9.</td>
<td>Arts/Humanities/Languages</td>
<td>2</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>37</td>
<td>9</td>
<td>1</td>
<td>9</td>
</tr>
</tbody>
</table>

**Eligibility Criteria**

- Applicant must be resident citizen of Pakistan.
- For “Best Research Paper Award” applicant should be the principal author (first and/or corresponding author). While award money may be equally divided into all authors, certificates will be given to only principal author(s), except in case of only two authors, where both will receive the certificate.
- In case of foreign collaborative research, affiliation of the applicant on the paper must be with Pakistan.
- For “Best Book Award” applicant must be first or sole author of a Book published by a reputed publisher.
- For “Best Young Research Scholar Award” the maximum age is 40 years on the date of submission deadline. Those who have received this award in the last 5 years are not eligible to apply.
- An applicant can’t submit more than one application under the same category in same year.
6. **Access to Scientific Instrumentation Program (ASIP)**

Program # HEC/R&D/ASIP/P-006

Application Form # HEC/R&D/ASIP/ F-006

Approving Authority:

**Overview**

In view of the high cost of acquiring and recurring maintenance of modern, sophisticated and hi-tech lab equipment, the HEC has initiated this program which encourages sharing of scientific instrumentation facilities with researchers. This initiative would enable the scientific community to have access to sophisticated equipment, and use of the equipment would also serve as a source of funding for the institutions which make their instruments available to researchers.

**Program Objectives**

- Provide spectroscopic, analytical, chromatographic and other services to researchers working in different public sector universities on cost plus basis, which will be paid by the HEC.
- Through this program the institutions with instrumentation facilities will get financial resources to optimally utilize their instruments.
- The scientists of Pakistan will have access to available facilities within the country, which will promote research collaboration and save foreign exchange, which is otherwise, required.

**Who Can Apply?**

The facility is available to postgraduate students (MS/MPhil/PhD and equivalent) enrolled with HEC recognized public sector local universities and admitted as per HEC admission criteria.

**How to Apply?**

To apply for the facility, the applicant needs to follow the steps given below:

- Applicant needs to apply online for Access to Scientific Instrumentation Program with appropriate information prior to sending the sample to the service provider.
- The applicant needs to submit the application at least 6 weeks prior to sample analysis.
- The applicant must attach one page summary/description of research proposal with the application form. The summary must reflect the total number of samples to be analyzed during the whole research work.
- Endorsement by research supervisor, head of department and Director (ORIC) must be obtained at appropriate section of the prescribed application form.
- The applications will be evaluated and decided by the ASIP Management Committee. The decision of the Committee will be communicated to the applicant within 6 weeks from the date of submission of the application. The decision on the application may be delayed if additional information is required for clarification.
- For all the approved cases, HEC will issue award letter to the applicant.
- Upon receipt of award letter, the applicant may send samples to the service providers for analysis.
- The service provider will analyze the sample and bill to the concerned applicant.
• The applicant will send the bills to HEC along with Result Acceptance Voucher through ORIC office or through Head of Department, where ORIC does not exist.

• HEC will reimburse the sample analysis cost to the service provider upon receipt of bills.

**Supporting Documents Required**

• One page summary of the research proposal, including the description of analysis required from other institutions.

• Copy of approval of Research Synopsis/Proposal

• Consent of service provider showing rates.

• Brief profile of Research Supervisor

**Terms & Conditions**

• The application must be filed at least six weeks prior to sample analysis.

• The postgraduate students enrolled in the HEC recognized public sector universities/DAIs and admitted under HEC approved admission criteria are eligible to apply.

• The facility is available to the applicants who do not have analytical facilities at their own institutions.

• The service provider should preferably be from the public sector.

• One applicant may avail grant of up to Rs. 75,000 per annum or otherwise as stated in the research project (depending on the nature of the project).

• The cost will be paid to the service providers upon completion of analysis and upon the satisfactory report from the applicant.

• ASIP Committee may visit the facilities of both service providers and service seekers, to monitor the effectiveness of the program.

**Evaluation Criteria**

While evaluating an application for funding, following are the major considerations:

• Scope of the research synopsis/proposal

• Facilities available at the university

• Review the performance of the service providers.

• Seek further clarification/information from the applicant (if required)

**Reimbursement Claim**

• Upon approval of the application, HEC will issue a letter giving its consent to fund the cost of sample analysis. The letter will indicate the approved amount. The amount must be spent only for specified sample analysis.
For approved cases, the sanctioned amount will be reimbursed to the service provider after sample analysis to the satisfaction of the service seeker (see annex-C for sample result acceptance voucher and annex-D for sample invoice).

The reimbursement claim should be filed preferably within two months after the sample analysis.