

**GUIDELINES FOR AWARD OF BIJU PATNAIK RESEARCH FELLOWSHIP  
IN SCIENCE (BASIC AND APPLIED SCIENCE & BIOTECHNOLOGY)**



**State Council on Science & Technology & Biotechnology Cell**

**Science & Technology Department**

**Government of Odisha**

**Bhubaneswar-751001**

## **GUIDELINES FOR AWARD OF BIJU PATNAIK RESEARCH FELLOWSHIP IN SCIENCE (BASIC AND APPLIED SCIENCE & BIOTECHNOLOGY)**

The Science & Technology Department, Government of Odisha endeavours to promote research in emerging areas of Science. The aim of the programme is to encourage Research and Development in basic and applied sciences by motivating the young brains (M.Sc./M.Tech. Science students) towards research and development programmes in different fields. The fellowship will be awarded on the basis of merit of the applicants and their research proposals. The guidelines will provide information about the objective of the scheme, eligibility, selection procedure, terms and conditions of grant, procedure of submission of utilization certificate etc.

### **Objective:**

The main objective of award of this research fellowship is to provide fellowships in the form of financial assistance to students to pursue higher studies leading to Ph.D. Degree in basic and applied sciences. The scheme is meant to encourage meritorious scholars with innovative ideas.

### **The Title of the Fellowship:**

The Fellowship shall be known as Biju Patnaik Research Fellowship in Science (BPRFS) to pursue Ph.D Degree in Science. During the tenure of the Fellowship, the scholar will be designated as **Biju Patnaik Research Fellow (BPRF)**.

### **Eligibility:**

The scholar must have passed M.Sc/ M.Tech. in basic or applied science, having secured minimum 65% of marks in aggregate at M.Sc./M.Tech. course from any recognized University/ College/ Institution. The fellowship shall be available only for pursuing full time Ph.D. programme in/under any Govt. University of the State or any State/Central Govt. Institute established in the State. The candidate must get her/himself registered for Ph. D at the first available opportunity but not later than a period of two years from the date of notification of award of the fellowship. The applicant for the fellowship must be a permanent resident of Odisha.

### **Advertisement inviting Applications:**

The Science & Technology Department, Government of Odisha will invite applications from eligible candidates through advertisement in local newspapers and/or the website of the Department. The format of application and the guidelines are available in the website of Science & Technology Department ([www.orissa.gov.in/sciencetechnology](http://www.orissa.gov.in/sciencetechnology)).

### **Tenure of the Fellowship:**

The tenure of fellowship is for three years. The actual payment of fellowship will be made with effect from the date of approval of fellowship or the date of joining, whichever is later. The fellow is required to inform the effective date of joining in that University/College/Institution, after Ph.D. registration, through proper channel, to the Science & Technology Department Govt. of Odisha for release of the fellowship.

Initially, the fellowship will be awarded for a period of two years under the scheme (BPRFS). Before expiry of this period, the work of the fellow will be evaluated by a Committee of three members comprising of Head of the Department, Supervisor and one outside subject expert to be constituted by the concerned Department of the University/ Institution/College. If the research work is found satisfactory, her/his tenure will be extended further for a period of one year. The recommendation of the Committee shall be submitted to the Department of Science & Technology, Govt. of Odisha by the head of the institute. The fellowship may be withdrawn if the work is not considered satisfactory or the candidate fails in any of the examinations related to Ph.D.

**Fellowship:**

The Candidate would be eligible for following financial assistance:

Fellowship	₹12,000/- p.m for initial two years and ₹14,000/- for third year
Contingency (Chemicals, Glass ware, Plastic ware, Stationery, Photocopy, Printing, Photography, Travel, Gas, Audit Fee etc.)	₹25,000/- p.a
Departmental assistance to the host Institution for providing infrastructure	₹10,000/- per student p.a.

**No. of Fellowships:**

A total number of 20 fellowships will be awarded every year (10 fellowships in Biotechnology and 10 fellowships in other fields of basic and applied sciences).

**Monitoring of Fellowships:**

The fellowships pertaining to Biotechnology shall be administered by the Biotechnology Cell of S&T Department, whereas, the Fellowships in the field of basic and applied sciences shall be administered by the State Council on S & T of Science and Technology Department.

**Selection Process:**

Applications from the eligible candidates will be invited by the Science and Technology Department, Govt. of Odisha through an open advertisement. A two-stage selection process will be followed. In the first stage, screening will be done on the basis of the career marks of the applicants. An Internal Selection Committee will short list the names of the selected applicants, twice the number of the fellowships available. The short listed candidates will be invited for a power point presentation of the proposed research work to be carried out by the candidate and personal interview before the Expert Committee (External Selection Committee). The Expert Committee will recommend the names of selected candidates based on the career mark as well as presentation and personal interview (Career 80; Presentation & Interview 20).

**Career marking:**

The total career weightage is 80. The career weightage for each of the examinations is as follows:

Class 10:	10
+2 Science:	15
+3 Sc.(Hons)/Equivalent	20
M. Sc./M.Tech:	35

The career weightage of each of the applicants will be calculated as follows:

$$\frac{\text{Percentage of Mark Scored}}{100} \times \text{Weightage of mark}$$

In +3 Science examinations, those who have Honours, career mark will be calculated on the basis of marks scored in the Honours subject only. Those who do not have Honours, career mark will be calculated on the basis of marks scored in aggregate.

Example: Suppose an applicant has scored the following percentage of marks (10<sup>th</sup> class: 72.5; +2 Sc: 80.4; +3 Sc/Equivalent (Hons): 70; M.Sc.:78). His Career score will be:

10 <sup>th</sup> Class	:	72.5 ÷ 100 × 10 = 7.25
+2 Science	:	80.4 ÷ 100 × 15 = 12.06
+3 Sc.(Hons)/Equivalent	:	70.0 ÷ 100 × 20 = 14.00
M.Sc/M. Tech.	:	78.0 ÷ 100 × 35 = 27.30
<b>Total</b>	:	<b>= 60.61</b>

**Breaking of Tie:** In case of a tie, the marks scored by the Candidates in M.Sc./M.Tech shall be considered. To break further tie, marks scored in +3 Science/Equivalent, +2 Science and Class 10 shall be considered in that order.

**Committees**

**A. Internal Selection Committee:**

1. Director (Technical), Biotechnology, S & T department : Chairman
  2. Secretary, State Council on S & T, Odisha, S & T Department : Member
  3. Junior Scientist, S & T Department : Member
  4. AFA-cum-Under Secretary, S & T Department : Member
  5. Deputy Director(Technical), Biotechnology, S & T Department :Member
- Convener

**B. External Selection Committee for Biotechnology:**

1. Director(Tech.), Biotechnology, S&T Dept., Govt. of Odisha : Chairman
  2. Director/Representative of ILS, Bhubaneswar : Member
  3. Director/Representative of RMRC, Bhubaneswar : Member
  
  4. Director/Representative of NISER, Bhubaneswar : Member
  5. Secretary, State Council on S & T, Odisha, S & T Department : Member
  6. One Academician from any University of Odisha as per the Suggestion of the Internal Selection Committee : Member
  7. Deputy Director(Technical) Biotechnology, S & T Department :Member
- Convener

**C. External Selection Committee for Basic & Applied Sciences (excluding Biotechnology):**

1. Director, Science & Technology, Govt. of Odisha : Chairman
  2. Director/Representative of ILS, Bhubaneswar : Member
  3. Director/Representative Institute of Physics, Bhubaneswar : Member
  4. Director/Representative of CRRI, Cuttack : Member
  5. Director/Representative of IMMT, Bhubaneswar : Member
  6. Two Academicians from any of the Universities of Odisha as per the suggestion of the Internal Selection Committee : Member
  7. Secretary, State Council on S & T, Odisha, S & T Department :Member
- Convener

(in case of absence of Chairman/ any member as mentioned above, the Department can nominate any other person to be the Chairman/member of the above committees).

**Supervisor:**

The selected fellow shall remain under the administrative control of a Supervisor. The supervisor must be a regular faculty of any Govt. University of Odisha or a regular Scientist of any State Govt. Research Institute of Odisha or any Central Govt. Research Institute established in Odisha. The scholar is required to be registered for Ph.D under the guidance of the Supervisor. All correspondences of the scholar with the Science & Technology Department, Govt. of Odisha should be routed through the Supervisor, Head of the Department and the Head of the Institute concerned. If the supervisor is no longer available in the University/Institute, the fellow will remain under the administrative control of the Head of the Department for the rest of the tenure.

**Release of Fellowship & Funds:**

The fund with respect to BPRFS shall be made available to the Head of the host institution by the Science and technology Department, Government of Odisha.

- The Fellowship shall be directly credited to the bank account of the scholar monthly by the Head of the host institution.
- The contingent grant shall be credited to the bank account of the scholar and the Departmental assistance shall be credited to the Bank account of the Head of the Department concerned within a reasonable time after it is released.

The Host Institute/ University/College shall submit the financial year wise audited Statement of Expenditure & Utilization Certificate in OGFR 7(A) in duplicate countersigned by the competent authority for each BPRFS.

The Biju Patnaik Research Fellow in Science will be required to submit progress report every year through proper channel.

**Cancellation/ Withholding of Fellowship:**

The Fellowship shall be discontinued if it is found that the candidate has furnished incorrect information or suppressed materials. In such cases, other disciplinary action will also be initiated against the candidate as deemed fit to recover the fellowship amount. The Fellowship shall also be discontinued while pursuing Ph. D Degree if the conduct of the scholar is found to be unsatisfactory, as per the report by the Committee of three members comprising of Head of the Department, Supervisor and one outside subject expert to be constituted by the concerned Department of the University/ Institution/ College. The fellowship will be automatically cancelled if a candidate changes the course of study for which he/she is in receipt of the fellowship under this scheme or the progress observed to be unsatisfactory during review.

**Other Conditions :**

- The required contingent expenditure for the scheme shall be met by the Secretary, State Council on Science & Technology, Odisha, Science & Technology Department, Government of Odisha from the Scheme “ Development of Biotechnology” and “Functioning of State council on S & T” for fellowship in Biotechnology and fellowship in Basic and Applied Science respectively.
- The Science and Technology Department at its discretion may increase the amount and number of Fellowships with due concurrence from Planning & Coordination Department and Finance Department, Government of Odisha.
- In general, a Biju Patnaik Research Fellow (BPRF) once accepts the offer of fellowship at a particular University/ College/ Institute shall not be allowed to transfer the fellowship to any other University/College/ Institute during the tenure of fellowship. However, under unavoidable situation, the fellow must seek prior permission from the Science & Technology Department, Govt. of Odisha, for transfer of institute through written application with following documents.
  - No Objection Certificates (NOCs) from both Host Institutes and Research Supervisors
  - Detailed Justifications for changing/shifting of host Institute for Implementation of Fellowship

- Area of Ph. D. works with an up to date technical progress report
- Curriculum vitae of research supervisor at the new host institute
- Up to date Financial Statement from the old host institute
- In case of discontinuity of the research project by the candidate, the Institute concerned shall return the unutilized funds to the Science & Technology Department, Govt. of Odisha immediately. Further, the candidate is required to hand over the research findings to the S & T Department through proper channel.
- In case of suppression of facts regarding award of fellowship from any other Govt. and/or private Institutions, the receipt of BPRFS is required to refund the total grant with interest received from Science & Technology Department, Govt. of Odisha.

The Science and Technology Department, Government of Odisha reserves the right to amend the rules. The decision of the competent authority shall be final and nobody/ individual can go for any legal or other remedy against the decision of the competent authority.

**APPLICATION FOR AWARD OF BIJU PATNAIK RESEARCH FELLOWSHIP IN**  
**SCIENCE**  
**(BIOTECHNOLOGY/BASIC & APOPLIED SCIENCE)**

1. Name of the student (in block letters)

2. Name of (a) Mother:

(b) Father:

3. Permanent address:

*Passport size  
photograph to  
be pasted here*

4. Present address for correspondence with phone No./e-mail etc.

5. Sex (Male/ Female):

6. Date of Birth:

7. Nationality:

8. Whether permanent resident of Odisha (Yes/No)

9. Category (General/SC/ST/OBC/SEBC):

10. Academic Record:

Name of the Exam.	Board/ University	Year of passing	% of marks secured	Division	Any Honours/ Distinction achieved	Remarks
1	2	3	4	5	6	7
HSC						
+2 Science						
+3 Science (Hons)/ Equivalent						
M.Sc./ M.Tech						

11. Name and address of the University/College/Research Institute to carry out Ph.D:

12. Name of the Proposed Ph.D. Supervisor/Guide with Address:

13. Whether completed Ph.D. Course (Yes/No):

14. Whether registered for Ph.D.(Yes/No):

15. I undertake that:

- (i) I have read and understood the details of the BPRFS.
- (ii) The information furnished above are correct and true to the best of my knowledge and belief.
- (iii) I am not receiving any kind of aid/scholarship/fellowship for Ph.D. Degree.
- (iv) I shall not receive/accept any other financial assistance other than this Fellowship for my Ph.D Degree.

Place:

Date :

Signature of the applicant

**16. Consent of the Proposed Supervisor:**

- I agree to supervise the Ph.D. Programme of Miss/Mr..... She/he will work in the Department of..... under.....University.

**Signature of the Supervisor**

**17. Certificate of the Head of the Institute**

The University/ Institute does not have any objection if Ms/Mr..... receives Biju Patnaik Research Fellowship in Science. The Fellow will be provided with all infrastructure and support required, if She/He will be eligible for Ph.D. Registration.

**Signature of the Head of the Institute with Seal**

**Documents to be submitted by the applicant along with the application form**

1. Nativity/Residence Certificate issued by appropriate authority
2. Photocopies of all certificates and mark sheets with regard to academic record
3. Synopsis of the proposed Ph.D. work
4. Brief *Curriculum vitae* of proposed Supervisor
5. Certificate of completion of Ph.D. course work (if already completed)
6. Ph.D. Registration Certificate (if already registered)