Applicants seeking the BRNS funding should first register on this site (<https://brns.res.in>). Thereafter apply on ONLINE after selecting appropriate scheme.

## Project Proposal Application Form (PPA)

*for seeking BRNS funding to carry out Research Projects*

#### NOMENCLATURE

**Principal Investigator (PI):** A scientist who submits a research proposal to the BRNS for a programme to be carried out at a non-DAE institution.

**Co-Investigator (CI)**: An associate of the PI taking an active part in the project work~~ing~~.

**Principal Collaborator (PC)**: A scientist of the Department of Atomic Energy (DAE) working in any of its constituent units/ PSUs.

**R &D units of DAE**: Bhabha Atomic Research Centre (BARC), Indira Gandhi Centre for Atomic Research (IGCAR), Variable Energy Cyclotron Centre (VECC), Raja Rammana Centre for Advanced Technology (RRCAT), Atomic Minerals Directorate for Exploration and Research (AMDER),

**DAE Aided Intuitions: TIFR, SINP, HRI, IMSC, IOP, PRL, NISER, TMC/ACTREC, HBCSE.**

**Other DAE Units:** Board of Radiation and Isotope Technology (BRIT), Nuclear Fuel Complex (NFC), Heavy Water Board (HWB).

**Public Sector Undertakings:** Nuclear Power Corporation of India Limited (NPCIL), Electronics Corporation of India Limited (ECIL), Uranium Corporation of India Limited (UCIL), Indian Rare Earth Limited (IRE).

**Non-DAE institutions**: All educational & recognized research institutions e.g. Indian Institutes of Technology/ Indian Institute of Science/ Universities/ Colleges/ National Laboratories etc.

### **INSTRUCTIONS**

1. Before filling the form please read the instructions and register at *URL:* [https://brns.res.in](https://daebrns.gov.in/) .
2. Applications are accepted ONLINE throughout the year. Processing of application is initiated only when all the required documents have been uploaded and found to be in order. On successful submission and acceptance by the BRNS for further processing, **an application number would be generated after preliminary scrutiny of the submission.** This number would be reflected into the applicant account, which can be seen after logging at this site. **The status of the submitted application, starting from acknowledgement to final decision would be updated into the applicant’s account.**
3. After allocation of the application number, please post hard copies (2 Nos.) of the consolidated pdf generated from ONLINE Submission, to BRNS Secretariat, 1st Floor, Central Complex, BARC, Trombay, Mumbai-400085 via government owned SPEED POST. Please attach all Certificates in original.
4. The time required for the processing & sanctioning of the project is typically 8 to 12 months.
5. For smooth implementation, the project must have Co-investigator (s) (CI) from the same Department/Institution. The CI is expected to ensure that the project work is carried out when the PI is on leave/deputation. In case of long leave/deputation, PI is expected to inform the BRNS sufficiently in advance so that in PI’s absence, correspondence can be addressed to the CI directly**.**
6. BRNS can consider projects based on multi-centre studies. For such project proposals, additional CIs could be from institutions other than that of the PI. However funds would be given only to the PI’s institute.
7. Projects that have direct relevance to the DAE programmes and are carried out in collaboration with a DAE unit will only be considered. Such projects are evolved from interaction between the prospective Principal Collaborator (PC) from a DAE unit and the PI. The PI and PC will work on complimentary aspects of the problem.
8. **ONLINE submission Process**

The process of applying for a research project consists of three sections. Section A is mainly for Application Summary and has to be filled online. Section B is for other details to be uploaded as separate PDF files as described below. Section C is the format of the certificates to be submitted & uploaded after due approvals.

**8.1 SECTION A** *(Steps for online submission process)*

**8.1.1 Registration**

* Mandatory for users seeking funds under any of the BRNS schemes.
* On the submission of the registration form, a link for generating the password would be sent to the registered e-mail ID. If the link is not activated within15 days’ time, fresh registration would be required. Subsequent to successful registration, select appropriate scheme and proceed for ONLINE submission.
* You would be asked to upload a passport size photograph (not exceeding 100KB) at this stage.

**8.1.2Application Details (Summary)**

* Scheme applied for: *Select from drop down Menu*
* Project Title: *(not more than 10 to 15 words)*
* Project Duration: *Select from drop down Menu*
* Scientific Advisory Committee (suggest): *Select from drop down Menu*
* Subject Area: Select from drop down Menu
* [Key Words](#Key_words)
* [Project Summary/Abstract](#Project_Summary)
* **Total Budget**

**SAVE**

Revert back to **My Application** and then click View, to complete the submission.

*(Completed application should be submitted within 15 days of clicking* APPLY*. During this period, online submitted information entered can be edited.)*

**8.1.3 View Application**

* Details of the proposal are to be entered under different heads selectable from the following MENU, which would appear on clicking view application.

**View/Edit Application**

* Application Summary form can be edited here.

**Enter PI/CI/PC Details** *(Please see Instructions - Sr. No. 5)*

* Information required is Name, address/ institutional affiliation, e-mail and phone number.

[Enter equipment details](file:///C:\Users\Sangeeta\AppData\Local\AppData\Sangeeta\AppData\Local\Temp\PPA_online_201014.docx#Equipment)

* Name, Brief specifications, Make/Model (if specific)
* Exchange Rate (if it is of foreign origin) and Cost in Rupees. Please upload budgetary quotation/web-based cost comparison of the equipment’s costing more than 1 Lakh.

**Suggest Project Reviewers**

* Information required are Name, Field of specialization (key words), institutional affiliation, e-mail, phone number.

[Provide Budget Estimates](#Budget_Estimates)

* Details of yearly budget requirement under the heads of Equipment, Technical Assistance, Consumable, Travel and Contingencies.
* Enter only the number of staff type (JRF, SRF & RA).
* Budget under the head Salary and Overhead are automatically calculated as per the BRNS norms.

**9.1 SECTION B (**[Upload Documents](#FILES_to_be_UPLOADED)**)**

PDF files (not exceeding 6 MB) are to be to be uploaded under the following heads:

* **Project Proposal Application (**[PPA](#PPA)**)** *(Please see Instructions–Sec. A - Sr. No. 100 to 512)*:
* Should list all the objectives, technical details of the work plan, the deliverable.
* Justification for the budget, Summary of other projects completed, ongoing and submitted to any funding agency including the BRNS, list of infrastructure and facilities (pertinent to the submitted project) available at applicant’s institute.
* Only the list of publications in the peer review generals should be included.
* **Institute Verification Certificate**
* All non-government institutes/organizations must submit a proof of its recognition from Government bodies like UGC and AICTE. Web link for the list/form showing recognition of the applicant’s institute can also be included in the letter.
* [Certificates](#SECTION_C) **from the Institute** (PI, CI & PC) *(Please see Instructions*[- Eligibility](#Eligibility)*):* The proposal should be forwarded by the Head of the Institution of the Principal Investigator (PI) and Co-Investigator (CI) (wherever applicable).
* **Consent of DAE authorities for the participation of the PC should be uploaded here.**
* **Curriculum Vitae (**[CV](#Curriculum_Vitae)**)**
* Should contain the information about Date of Birth, Academic Qualification, Employment History (including post-doc), Awards & Fellowships, patents awarded.
* List of publications in peer reviewed journals during the last few years that are relevant to the project.
* The CV of PI, CI and PC should be loaded in separate files.
* PI applying for YSRA scheme must include Details of their Ph.D. and Post-Doctoral Work
* **Certificates** ([Section-C](#SECTION_C))
* [Birth Certificate](#Certificate_4) (only for YSRA)
* **UPLOAD** [Reprints](#Publications) **(best five)**
* **Application final submit**
* All the information entered by the applicant including uploaded files can be seen as Consolidated PDF.
* After final submission, uploaded data would still be visible to the applicant, but it cannot be modified*.*

**10.0 Scientific Advisory Committees (SAC)**

* Depending upon the nature/domain of the project, PI may indicate the name of the Advisory Committee for processing the proposal.
* Committees and their priority theme areas are given below briefly.
* It may be noted that selection of the committee by the PI is only suggestive and the final decision in this regard remains with BRNS.
  1. **ATC (***Advanced Technologies Committee***):** Accelerators, Lasers, Cryogenics, Computers and other: Applied technologies related to nuclear science, nuclear fusion, accelerators, lasers, cryogenics, photonics, nano-technology and other strategic technologies of vital importance to the Department.
  2. **RTAC (***Radiation Technology and Applications Committee*): Radiopharmaceuticals, radio-assays, radioisotopes, radiation technologies, mutagenesis, radiation biology, tracer techniques, hydrology, nuclear agriculture etc.
  3. **NRFCC *(****Nuclear Reactor and Fuel Cycle Committee)*: Structural/ civil/ mechanical/ metallurgical/ chemical, manufacturing & precision engineering, reactor physics, nuclear fuels, material development, heat transfer, fluid flow, water chemistry, computers and information technology, robotics, automation and controls, sensors artificial intelligence, nuclear safety, nuclear waste management, mineral exploration, mining and geological/earth sciences, environmental impact of nuclear establishments, etc.
  4. **BSC (***Basic Sciences Committee*): Basic and applied research in radiochemistry, actinide chemistry, radiation and photo-chemistry, Synthesis & application of novel ligands, laser induced chemical reactions, unique catalysts, nano materials, cell and molecular biology, new materials, cancer research, condensed matter physics, nuclear and particle physics, spectroscopy, etc.
  5. **PFRC** *(Plasma & Fusion Research Committee)***:** Theory &Simulations related to MHD activity, plasma turbulence, nuclear fusion, Design and development of materials, equipment, diagnostics and software codes required for plasma & fusion programme. The list of projects under this category can be found in [project seeds](http://nfp.pssi.in/documents/research_areas.html) document.
  6. **SSAC** (*Strategic Studies Advisory Committee*)**:** Studies related to nuclear policy matters and its socio-economic impact that are of strategic interest to the department.

**11. Project Objectives: Enumerate objectives of the proposal in bullet form.**

**12. Key words**: Please provide about 6 key words for indexing the project. The first two **key** words should refer to the major area of research.

**13.Project Summary:** About 100 words summary should bring out the importance of the project, related work being carried out both within the country and abroad, mode of execution of the project, expected outcome of the project like development of a technology, improved product/process, generation of a data base etc.

**14.** **Detailed Technical Information (minimum 1000 words):**

* Provide ‘in-depth’ details in this section on as much number of sheets as deemed appropriate under the following headings :

(a) Introduction: addressing origin of the proposal, definition of the problem and the objectives,

(b) Review of status of Research and Development in the subject: National status &international status

(c) Impact of the proposed project in the context of current status, (d) Patent details if any (domestic and international).

**15. Research Plan and Deliverables:**

* Describe Methodology Organization of work elements, work planned during each year of the project giving milestones and identifying the deliverables at the end of each year.
* Deliverables should commensurate with the objectives, and expected outcome from the project. This aspect will facilitate SAC, in monitoring ~~of~~ the project and taking corrective actions, if any, required from time to time.
* Normally, the projects are sanctioned for 3 years of duration. The commencement of the project is considered as the date of receipt of first year grant. Mention clearly year wise work plan to be performed by PI, Co-PI (if any) and PC (if any).

**16. Budget Estimates & justification**:

* If the project is approved, the BRNS will provide funds to implement the project to PI’s Institute only.
* Funds required by the PC for carrying out work in the DAE units will be borne by the respective DAE units. Justification of the budget estimates is to be furnished separately in the relevant heading to be provided in the form PPA.

**16.1 Equipment:**

* Justification for major equipment should be given clearly in at least ten lines.
* Declaration regarding the non-availability of such equipment(s) in the institution should be made by the head of the institution. Also mention about the number of other users and percent sharing of the equipment/facility.
* Specifications for the equipment to be procured, names of the suppliers and documents in support of the estimated cost, quotations/ proforma-invoice (not more than 1 month old) should be provided. Funding of major equipment without this information will not be considered.

**16.2 Staff Salary**: Justification of manpower should be clearly mentioned, along with the total number of JRFs/SRFs currently working with the PI and CI. The categories of staffs employed in a BRNS project and their respective qualifications/experience and salary are as under:

Category Qualification/experience Salary per month\*

JRF M.Sc/BE/B.Tech/BVSc/B.Pharm Rs.25,000/- for 1st& 2nd year

& on re-designation as SRF by a committee Rs.28,000/- from 3rd year

SRF MTech/ME/MVSc/MPharm/MBBS/BDS or Rs.28,000/-

M.Sc/BE/B.Tech/BVSc/B.Pharm

with 2 years of experience

RA-I**\*\*** Ph.D in Science/ MD or Rs.36,000/-

MTech/ME/MVSc/MPharm/MBBS/BDS

with 2 years of experience

RA-II**\*\*** Ph.D in Science/ MD or Rs.38,000/-

MTech/ME/MVSc/MPharm/MBBS/BDS

with 2 years of experience and

possessing exceptional academic record

RA-III**\*\*** Ph.D in Engineering or Rs.40,000/-

same as for RA-II but selected under specific

DAE scheme

In addition to the Salary, the staff appointed is also entitled to House Rent Allowance (HRA) and Medical Allowance (MA) as per PI’s institute/university rules. HRA can be [claimed](file:///C:\Users\Sangeeta\AppData\Local\AppData\Sangeeta\AppData\Local\Temp\HRA%20Claim%20%20FORM-IV_281014.docx) only after appointment of the staff.

\*\* The slab at which the Salary for RA is to be fixed may be decided by the appointing authority taking into consideration the qualification and experience of the candidate.

If the project proposal is approved, Guidelines/Terms and Conditions for recruitment of Staff are issued along with the Sanction letter.

**16.3 Technical Assistance**:

* Under this 'Head of Account', the PI can provide overtime/honorarium to existing technical/scientific staff of the institute, engage laboratory attendants/or other help on casual basis subject to the rules of the host institution.
* These may also include hiring services from outside that are not available in the institute like equipment/experimental set-up fabrication, usage of sophisticated/high end facilities, computer hire charges etc.

**16.4 Travel**:

* The entitlement of mode (Rail/Air) and class of travel will be governed by the rules of the respective institutions to which the PI and CI belongs.
* PI may use the funds for travelling to attend a conference within India.
* Wherever the project involves fieldwork, PI may include travel funds accordingly in the project formulation.

**16.5 Contingency**:

* The amount that can be sanctioned under this 'Head' will vary depending on the type of project (e.g. experimental project, theoretical project, data collection and survey project, engineering project etc.).
* 5-10% of the total of equipment and consumable cost may be considered as a guideline for fixing the contingency money. However the actual amount would be decided by the BRNS committee.
* Under the Head 'contingency', the funds can be utilized to meet the expenditure towards advertisement and selection related expenses for the post of JRF/SRF/RA.
* PI may also utilize this fund towards payment of tuition fee, registration fee and other expenditure of the staff employed for Ph.D. program of the university.
* This can also be used for purchase of urgently required laboratory item or for buying books, but books so purchased should be deposited in the departmental library of the Institute and issued as per the rules of the library.

**16.6 Overheads**:

* The BRNS allows 15% of the cost of the project excluding contingency as 'Overheads', but not exceeding Rs.2 lakhs for R&D Laboratories and Rs.6 lakhs for other Institutions/ Universities.
* This is allocated to cover the cost of infrastructure, utilities such as water, electricity, air handling system, communication and administrative services provided by the university/ institute.
* Each university/ institute can use its discretion to form regulations to use the funds under this head. Some universities/ institutes follow the practice of depositing all overheads in a common corpus and the interest there from is used for the maintenance of infrastructure/ equipment needed for research projects. 7.5% of the yearly grant shall be released every year during the project tenure.
* The remaining cumulative 50% of the amount spent on overheads shall be paid on completion of the project and submission of the final progress report along with the audited statement of accounts, utilization certificate and the claim form.

**17**. O**ther Projects**:

Describe each project sanctioned to the PI and CI by the BRNS as well as other funding agencies in not more than 150 words. Description should clearly bring out any overlap of the areas and objectives & methodology of these projects with the submitted proposal.

**18. Facilities**:

Provide details about the infrastructure pertinent to the project proposal available in the department and the equipment already available in the group.

**19. Curriculum vitae (CV)**:

* **Educational qualifications:** From10th standard onwards.
* **Experience:** List the positions held during the last 10 years or before the current position. Please highlight the experience that is relevant for execution of the proposed project.
* **Publications**: List only important publications relevant to the area of the proposed research project. However total number of publications and total impact index can be given in the beginning.

**20. Eligibility of the PI:**

* Researchers/Scientists/Engineers working in universities, academic/ research institutions of higher learning and having a regular position in India, are ONLY eligible to apply.
* Researchers associated with government recognized incubation center and DSIR (Department of Scientific and Industrial Research) recognized R&D organizations of Private Industry can also be considered for funding.
* Those working in DAE units, NGO and scientific societies are not eligible to apply.

**21. Certificates (PI/CI)**:

* All the applications should be duly forwarded by the competent authority of the PI &CI’s Institution (s).
* The tenure of the PI in the institution as per the format given in [Certificate 1](#Certificate_1).
* Name, Designation, official e-mail ID & office phone number of the authority forwarding the application should be duly filled.
* For Multi-Centre projects, similar certificate is needed from each of the participating institutions.
* If the application is being submitted on a topic mentioned as Concept Proposal (CP), then a certification from the PC as per the format given in [Certificate -2](#Certificate_2) must be uploaded alternatively, a certificate by the **Group Director** of the PC as per the format given in [Certificate -3](#Certificate_2) should be uploaded.

**22. Processing of Applications:**

* Applications are refereed to specialists in the field and based on the comments from the referees, the short listed applicants may be invited to a Technical Programme Discussion Meeting (TPDM), for an oral presentation at Mumbai or at any other convenient place, before a panel comprising of the members of the Scientific Advisory Committee and the experts.
* Based on the recommendations of the TPDM and the available budget, the proposal may be recommended for sanction/revision/rejection.

**23.       Release of Funds:**

23.1 Once the project is approved, Sanction Letter elaborating year wise breakup of the grant sanctioned, total tenure of the project and other terms and conditions is communicated to the PI and head of their institute by the Programme Officer, BRNS.

 23.2 Along with this Sanction Letter, funds for the first year are released.  Sanction letter and the grant for second financial year (1st April to 31st March) onwards are issued separately, subject to the receipt of documents / fulfillment of the conditions as mentioned in the following table.

|  |  |  |
| --- | --- | --- |
|  | **Criteria for issuing Sanction Letter** | **Criteria for Release of Grant** |
| **Second Year** | 1. Acknowledgement of the sanction letter and date of the receipt of the 1st year grant. 2. Details of the appointment of the staff. 3. Online update of grant spent under each account head. | Two copies of SA, UC & Claim with original signature |
| **Third & Subsequent Years** | 1. Project renewal application ([PRA](https://brns.res.in/download_forms.php.)), vetted with the comments from the PC. 2. Online update of Inventory of Equipment procured. 3. Online update of grant spent under each account head. 4. Satisfactory progress of the project as assessed by the monitoring committee. | Same as Above |
| **Final submission** | 1. Two copies of the Consolidated Project Completion Report. 2. One page [Brief Report](https://brns.res.in/download_forms.php.). 3. Online update of grant spent in each of the financial years. | Two copies of consolidated SA and UC audited by an external auditor |

23.3 **In case of sanction being issued in the mid of the financial year**: The project tenure would spill over to an additional financial year, although it may be termed an extension from administrative point of view.

 23.4 **In case of sanction being issued towards end of the financial year:** First year grant would be re-validated for the next financial year, on getting request from the PI.

  23.5 **Preparation of Statement of Accounts (SA):** The amount spent till 31st March in respect of the funds received in the previous year under each account head need to be updated online to print the **SA**.

 23.6 **Utilization Certificate (UC):** is a declaration of the amount of grant utilized up to 31st March in respect of the funds received in the previous year. This amount should match with the **SA** and should be updated online to print the **UC**.

  23.7 **Claim (CL):** The amount sanctioned for the current financial year has to Claimed through this form after deducting unspent balance under staff salary, contingency and travel heads.

 23.8 **Submission of Documents:** Two hard copies of SA & UC along with Claim Form, signed by the PI, Head of the Institution and the Finance Officer/Charted Accountant in with official seal, need to be sent to the BRNS Secretariat, First Floor, Central Complex, BARC, Trombay, Mumbai 400 085, by SPEED POST only.

**Note**: SA, UC & Claim in original (not Xerox) should be preferably sent in the first quarter of the financial year to facilitate the release of grant.  Single Hard copies of all other documents mentioned in the table should also be sent to the BRNS Secretariat.

 23.9 **ONLINE Updates/Uploads**: The staff details and inventory of the equipment also need to be updated at an appropriate online menu. Scan copies of duly signed SA, UC, Claim, Progress Report, minutes of the staff selection committee meeting, PRA form should be uploaded on the website, under intimation to the concerned Programme Officer.

**24. YSRA Scheme**:

* Exceptionally bright young scientists **below the age of 35 years** on date of application would be considered for **‘DAE YOUNG SCIENTISTS RESEARCH AWARD (YSRA)’.**
* The award carries a maximum research grant of Rs.25.00 Lakhs in a block of three years and can be utilized for expenditure on JRF Salary, equipment, consumables, travel and other contingencies in connection with his/her research activities.
* **Attach** [**Certificate-4**](#Certificate_4) from the Head of the Institution.
* **Attach a self-attested document indicating YSRA applicant’s** date of Birth (Senior School Certificate/Passport) as [**Certificate-5**](#Certificate_5). Under this scheme Co-investigator (CI) is not required and the application can be submitted without **PC.**

**The sanction of the project is liable for cancellation, in case of suppression of information/fact and/or furnishing false information in the application form.**

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**Content of each of the** **FILES to be UPLOADED**

1. **Project Proposal Application Form** (**PPA**)

**100**. Title & List of Objectives: *Enumerate objectives of the proposal in bullet form*

**110**. Describe the yearly [Research Plan](#Research_Plan_Deliverables) and identify deliverables:

**A**. At PI/ CI's Institution

Ist Year:

IInd Year:

IIIrd Year:

**B**. At PC's Institution.

Ist Year:

IInd Year:

IIIrd Year:

**200. Detailed Project Proposal Report:** *(minimum 1000 words)*

Provide ‘in-depth’ details in this section on as much number of sheets as deemed appropriate under the following headings:

(a) Introduction: addressing origin of the proposal, definition of the problem and the objectives

(b) Review of status of Research and Development in the subject: international status & National status

(c) importance/significance of the proposed project in the context of current status

(e) Deliverables

(f) Patent details if any (domestic and international)

**300. BUDGET JUSTIFICATIONS** *(give details and justification for each of the budget heads)*

**310**. Give justification for purchase of the equipment, reasons for selecting particular model/specifications.

**320**. Details of budget for consumables to be procured by the PI (Amount in Rupees):

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **­Sl. No.** | **Name of the consumable items** | **Material Purity (in case of Reagents, Chemicals & Metals)** | **Quantity** | **Preferred Manufacturer** |
|  |  |  |  |  |

**330**. Justification for Staff:

**340**. Justification for Technical assistance:

**350**. Details of travel

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Amount in Rupees | Ist year | IInd year | IIIrd year | Total |
| **351A**. Proposed number of visits of **PI to PC’s** institute |  |  |  |  |
| **352B**. Duration of stay (No. of days) during each visit |  |  |  |  |
| **351**. Total fund required |  |  |  |  |
| **352**. Fund required by **PI** for travel to attend conferences within India. |  |  |  |  |
| **353**. Fund for Other visits  (please give details) |  |  |  |  |

**400. OTHER PROJECTSCOMPLETED, ONGOING AND SUBMITTED**

to any funding agency including BRNS

**410**. List projects in which PI is actively involved

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Sl. No. Title of the project Sanction No. Total cost Agency Present status Role (PI/CI)

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**420**. Brief description of the project(s) submitted/sanctioned by the **PI**(Please see Instruction - Sr.No.22):

(~ 50 word for each project)

**430**. List projects in which **CI**(if any)is actively involved

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Sl. No. Title of the project Sanction No. Total cost Agency Present status Role (PI/CI)

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**440**. Brief description of the project(s) submitted/sanctioned by the **CI** (Please see Instruction - Sr.No.22):

(~ 50 word for each project)

**500. Facilities**

**510**. List of **facilities** that will be extended to the investigator by the implementing institution for the project

1. **Infrastructure facilities**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No. | Item Name | Yes/No/NR\* | Sr. No. | Item Name | Yes/No/NR\* |
| 1. | Workshop |  | 7. | Telecommunication |  |
| 2. | Water & Electricity |  | 8. | Transportation |  |
| 3. | Standby power supply |  | 9. | Administrative l support |  |
| 4. | Laboratory space & furniture |  | 10. | Library facilities |  |
| 5. | AC room for equipment |  | 11. | Computational facilities |  |
| 6. | Refrigerator |  | 12. | Animal/Glass house |  |
|  | NR\*: Not Required | | | | |

1. **Equipment and accessories** available within the Investigator’s group/Dept. which can be utilized for the project.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Name of the Equipment** | **Model & Make** | **Year of Purchase** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**B. Content of** **CURRICULUM VITAE (CV)**

Curriculum vitae (CV) of Principal Investigator (PI), Co-Investigator (CI) and Principal Collaborator (PC) should include the following information: *(\*602 & 603 are applicable for YSRA only)*

**\*601.**Academic Qualifications (Graduation & onwards include GATE/NET)

**\*602: Details of the Ph.D. Work:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name of the examination/Degree | Subjects | Area of specialization | Name of Institute/ University/ Board | Year of passing | Percentage/ Grade |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Title:

Guide:

Institute:

Number of Journal Publications:

Brief Description of Ph.D. Work: *(200 words)*

**\*603: Brief Description of Post Doctoral Work:** *(200 words for each)*

**604. Employment History (including post-doc)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Period (Year) | Name of the examination/Degree/ Post as applicable | Area of specialization/ Subjects | Name of Institute/ University/ | Number of Journal Publications |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**605: Awards & Fellowships:**

Signature with date

**SECTIONC**

**Format for** **Certificates**

*(Upload duly signed & approved scanned copy printed on the letter Head of the Institution)*

**Certificate - 1**

Certificate from the Head of the Institution for **PI and CI**

*(To be submitted in original on the letter head of the institution)*

*(Please see Instructions - Sr. No. 5& 18)*

Project Title:

**Certified that**

1. This Institution agrees to the participation of the following faculties / scientists in the above project being submitted for financial support to the Board of Research in Nuclear Sciences (BRNS).

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Role** | **Affiliation** | **Remaining Tenure in Years** |
|  | Principal Investigator (PI) |  |  |
|  | Co-Investigator (CI) |  |  |

*Add more lines for more than one CI*

1. The above mentioned PI & CI have **regular positions in this organization/ institution/university and they are expected to continue their affiliation** with this institution as per the tenure mentioned above.
2. The following major equipments and accessories, relevant to the submitted project, are available within the institution / department in working condition and these equipments and other infrastructural facilities, as mentioned under the head **Facilities** (point no. 500 of the PPA form) besides the manpower available in this institution, will be extended for executing the project:

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | **Name of the Equipment** | **Model & Make** | **Year of Purchase** |
|  | *Please mention only those costing Three Lakh or more* |  |  |

1. The equipment(s) requested by the PI is (are) not available in the department.
2. The institute takes the responsibility for the timely submission of audited (by external Chartered Accounted or Statutory Government Auditor) statement of account (SA), utilization certificate (UC), details of staff recruited and equipment purchased as on 31st March of the year. The accounting of the funds received under the project would be done separately and the interest earned on unutilized balance would be reflected in SA.
3. The institute is aware that the (a) Materials/ Products developed under the project shall remain the property of DAE, (b) All patent rights on design and inventions derived from the research work financed or aided by BRNS, DAE shall belong to the Government of India or its nominees and (c) BRNS reserves the right to recall back the equipment(s) procured through BRNS funding.
4. Particulars of University Bank A/c are as follows:**(***please upload a copy of the cancelled Cheque, required for the verification of the account details)*
5. Name of Account Holder:
6. Account No.:
7. Bank Name and Branch Address:
8. Branch code:
9. IFS Code: ( 16 digits )
10. Type of account: Savings/Current

Authority forwarding the application form:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Designation | Official E-mail ID | Phone Number *official landline* |
|  |  |  |  |

*Note: An email from BRNS website would be sent to the official ID of the forwarding authority for confirmation. For Multi-Centre projects, similar certificate is needed from each of the participating institutions.*

Date: Signature &Seal of the forwarding authority

**Certificate –2 (from PC)**

**Format for Certificate from PC Concerning Concept Proposals**

*(To be submitted in original on the letter head of the division)*

**BRNS Ref.: Concept Proposal No*.*** *(*Given on the URL[https://brns.res.in](http://www.daebrns.gov.in)  )

This is to certify that the Project Entitled “…………” submitted for financial support to the Board of Research in Nuclear Sciences (BRNS) by Prof./Dr. ………….Department/Address ………… as Principal Investigator (PI), has been formulated in consultation with me. I have gone through the application (Project Proposal Application: PPA), which is as per the current BRNS format.

The project would be executed in active collaboration between us and I shall ensure for timely submission of yearly progress reports and financial documents towards conclusion of the project as scheduled.

This proposal had been approved by the ….. *Group Board/ Group Director, BARC* (*DAE units other than BARC may please mention appropriate approving authority in place of GD*).

Date: Signature & Seal

Place: (Principal Collaborator)

**Certificate-3 (for PC)**

*(To be submitted in original on the letter head of the department)*

Certificate from the Head of the Institution of Principal Collaborator (PC) from DAE Institution *(Please see Instructions - Sr. No. 7)*

Project Title:

(1) Certified that this Institution agrees to the participation of Prof./Dr. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Department/Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as Principal Collaborator (PC) for the above project that is being submitted for financial support to the Board of Research in Nuclear Sciences (BRNS) by Prof./Dr. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Department/Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as Principal Investigator (PI) .

The PC shall coordinate for timely submission of yearly progress reports and financial documents towards conclusion of the project as scheduled.

(2) Certified that the infrastructural facilities related to the project activity available in this institution as mentioned in Part V of the proposal (including equipment, manpower and other facilities) will be extended for the project.

(3) This institution assures to undertake the financial and other management responsibilities of the part of the project work that will be conducted in this institution.

(4) This Certificate is being issued with the approval of the Group Board.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Designation | Official E-mail ID | Phone Number *official landline* |
|  |  |  |  |

Date: Signature & Seal

Head of the DAE institution/

Place: Director of the Group

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**Certificate - 4**

Certificate from the Head of the Institution for **YSRA**

*(To be submitted in original on the letter head of the institution)*

*(Please see Instructions - Sr. No.24)*

Project Title:

**Certified that**

1. This Institution agrees to the participation of…*Name of the prospective YSRA as PI* ….in the above project being submitted for financial support to the Board of Research in Nuclear Sciences (BRNS).
2. The above mentioned PI has**regular positions in this organization/ institution/university and expected to continue his/her affiliation** with this institution for full tenure of the project.
3. The following major equipment and accessories, relevant to the submitted project,areavailable within the institution / department in working condition and these equipment and other infrastructural facilities, as mentioned under the head **Facilities** (point no. 500 of the PPA form) besides the manpower available in this institution, will be extended for executing the project:

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | **Name of the Equipment** | **Model & Make** | **Year of Purchase** |
|  | *Please mention only those costing Three Lakh or more* |  |  |

1. The equipment(s) requested by the PI is (are) not available in the department.
2. The institute takes the responsibility for the timely submission of audited (by external Chartered Accounted or Statutory Government Auditor) statement of account (SA), utilization certificate (UC), details of staff recruited and equipment purchased as on 31st March of the year. The accounting of the funds received under the project would be done separately and the interest earned on unutilized balance would be reflected in SA.
3. The institute is aware that the (a) Materials/ Products developed under the project shall remain the property of DAE, (b) All patent rights on design and inventions derived from the research work financed or aided by BRNS, DAE shall belong to the Government of India or its nominees and (c) BRNS reserves the right to recall back the equipment(s) procuredthrough BRNS funding.
4. Particulars of University Bank A/c are as follows:**(***please upload a copy of the cancelled Cheque, required for the verification of the account details)*
5. Name of Account Holder:
6. Account No.:
7. Bank Name and Branch Address:
8. Branch code:
9. IFS Code: ( 16 digits )
10. Type of account: Savings/Current

Authority forwarding the application form:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Designation | Official E-mail ID | Phone Number *official landline* |
|  |  |  |  |

*Note: An email from BRNS website would be sent to the official ID of the forwarding authority for confirmation. For Multi-Centre projects, similar certificate is needed from each of the participating institutions.*

Date: Signature &Seal of the forwarding authority

**Format for** **Certificate-5(Proof of Date of Birth for YSRA applicants only)**

*(Upload self-attested scanned copy. Original copy would be verified only if invited for presentation)*