

**Sardar Swaran Singh National Institute of Bio-Energy (SSS-NIBE)**

(An Autonomous Institute of Ministry of New and Renewable Energy, Govt. of India)  
12 Km Stone, Jalandhar-Kapurthala Road, Wadala Kalan, Kapurthala (Punjab)-144603

Adv. No.348-26/37/2022-ADMIN

Dated: 10.07.2025

**ADVERTISEMENT FOR RECRUITMENT OF PRINCIPAL PROJECT ASSOCIATE**

Applications are invited for recruitment of Two (02) posts of Principal Project Associate (PPA) at SSS-NIBE, Kapurthala in the prescribed format available on the Institute website and other details on our website <https://nibe.res.in>. The application should reach within 07 days from the publication date in Employment News.

Any addendum / corrigendum / updates shall be posted only on the Institute website. You are suggested to visit the website on regular basis.

Director General

### **Advertisement for recruitment of Principal Project Associate (PPA) at Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala**

Applications are invited from eligible candidates for Principal Project Associate (PPA) in the field of Bio-Energy at Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala. The research position for PPA is purely on contractual basis. Screening of applications forms will be processed based on requirement and availability of seats.

Particular of Academic Qualifications, Research experience and other requirements of the contractual post is given below:

<b>Sl.</b>	<b>Contractual Post</b>	<b>Fellowship Honorarium</b>	<b>Qualification / Eligibility</b>	<b>Age limit</b>
1.	Principal Project Associate (PPA)	Rs. 67000/- per month + (admissible HRA or Hostel facility if available) as per rule	Candidate must have Master's degree in Engineering / Technology from a recognized university or equivalent and 6 years' experience in R&D in industrial and academic institutions or S&T organizations. R&D experience in bio-energy / bio-fuels field is essential Or Doctoral degree in science / engineering / technology from a recognized university or equivalent and 4 years' experience in R&D in industrial and academic institutions or S&T organizations. R&D experience in bio-energy/ bio-fuels field is essential.	The maximum/ upper age limit shall be 50 years, which is relaxed in the case of candidates belonging to Schedule Castes / Schedule Tribes, Physically Handicapped and OBC (NCL) applicants as per Govt. of India rules & regulations.

Desirable:

- Biomass resource assessment: Biomass availability & its energy potential.
- Experience with handling large agricultural datasets for analysis and development of biomass and bioenergy databases
- Knowledge of Computational Fluid Dynamics for development of biomass-based-combustion devices.
- Production of biochar via thermochemical conversion route.
- Testing and R&D experience in improved biomass cookstoves and knowledge of standard testing protocols.
- Prior experience in organizing training programs and workshops in area of bioenergy.
- Master's degree in Renewable Energy / Mechanical / Production Engineering / Technology is preferred.

Eligible candidates can download the Advertisement, Application Form and Instructions from website <https://nibe.res.in/>. The candidate should fill the downloaded Application Form as per

the instructions. Interview of screened candidates will be conducted both online and physically, but no TA/DA will be admissible for attending the interview.

The candidate must send duly signed filled-in application form along-with all necessary self-attested documents through speed/registered post or on email (in single PDF file) with the subject mentioning "**APPLICATION FOR PPA**" at the top of the envelop / as subject-line in email to the following address and / or email ID:

**The Director General, Sardar Swaran Singh National Institute of Bio-Energy,  
12 K.M. Stone, Jalandhar - Kapurthala Road, Wadala Kalan, Kapurthala (Punjab) – 144603.**

**Email ID: [admin.gurpreet@nibe.res.in](mailto:admin.gurpreet@nibe.res.in)**

For any query please contact at +91-1822-507407 or email at [admin.gurpreet@nibe.res.in](mailto:admin.gurpreet@nibe.res.in)

Director General

## **Advertisement for recruitment of Research Fellow at SSS-NIBE**

Applications are invited from eligible candidates for Principal Project Associate (PPA) by the Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala. Interested candidates should send their duly filled Application form within 07 days from the date of advertisement published in Employment News via Speed/Registered Post at given address with subject line as “**Application for PPA**” or e-mail to [admin.gurpreet@nibe.res.in](mailto:admin.gurpreet@nibe.res.in) with the subject line, along with the self-attested scanned copy of documents in single PDF file.

### **1. Introduction**

Sardar Swaran Singh National Institute of Bio-Energy (SSS-NIBE), an autonomous Institute of the Ministry of New and Renewable Energy initiated “**SSS-NIBE Bio-Energy Promotion Fellowship**” to promote research activities in Bio-Energy and to attract competent researchers in this field under JRF/SRF/PDF/PPA programme. The broad spectrum of Bio-Energy covers (a) Biomass resource assessment: Data analytics & Artificial Intelligence, supply chain management, LCA, techno economics, social impacts (b) Gasification of biomass and MSW to hydrogen, syngas to hydrogen (c) Pyrolysis and HTL of lignocellulosic and Algal Biomass (d) Lignin Valorisation and Biomass conversion to value added chemicals (e) Biochar/Activated carbons from biomass and Activated carbon to graphene – biomaterial for fuel cell, Supercapacitor (f) Biomass, pellets, briquettes, torrefied pellets, charcoal etc. (g) Fuel cell, Bio-hydrogen for fuel cells, materials from biomass (h) Biomass Cookstoves.

### **2. General**

SSS-NIBE under Bio-Energy Promotion Fellowship scheme provide Research Fellowships to bright and enthusiastic young men and women for research under the expert guidance of scientists working at SSS-NIBE in the various fields of Bio- Energy. The SSS-NIBE Bio-Energy Promotion Fellowships are tenable in India. Only bonafide Indian citizens, residing in India are eligible for the award of research Fellowship. The programme is aimed at National Human Resource Development in the area of Bio-Energy.

The award of SSS-NIBE Bio-Energy Promotion Fellowship is temporary for a fixed tenure and does not imply any assurance or guarantee for subsequent employment by SSS-NIBE to the beneficiary. The authority to award / terminate Fellowship and relax any of the conditions vests with the Director General, SSS-NIBE. The awardees shall

not lay claim to permanent absorption in SSS-NIBE, after the expiry of Fellowship.

The selection rules, amount of fellowship, etc. will be governed as per **SSS-NIBE Bio-Energy Promotion Fellowship** guidelines as amended from time to time.

**Subject of Research:** Preference is given to a subject / topic of research relevant to the research programmes of SSS-NIBE and importance in Bio-Energy areas like (a) Biomass resource assessment: Data analytics & Artificial Intelligence, supply chain management, LCA, techno economics, social impacts (b) Gasification of biomass and MSW to hydrogen, syngas to hydrogen (c) Pyrolysis and HTL of lignocellulosic and Algal Biomass (d) Lignin Valorisation and Biomass conversion to value added chemicals (e) Biochar/Activated carbons from biomass and Activated carbon to graphene – biomaterial for fuel cell, Supercapacitor (f) Biomass, pellets, briquettes, torrefied pellets, charcoal etc. (g) Fuel cell, Bio-hydrogen for fuel cells, materials from biomass (h) Biomass Cookstoves, etc.

### 3. **Principal Project Associate (PPA) under SSS-NIBE Bio-Energy Promotion Fellowship.**

**Essential Qualifications:** Candidate must have Master's degree in Engineering / Technology from a recognized university or equivalent and 6 years' experience in R&D in industrial and academic institutions or S&T organizations. R&D experience in bio-energy / bio-fuels field is essential or Doctoral degree in Science/ Engineering/ Technology from a recognized university or equivalent and 4 years' experience in R&D in industrial and academic institutions or S&T organizations. R&D experience in bio-energy/ bio-fuels field is essential.

**Desirable:** Biomass resource assessment: Biomass availability & its energy potential.; Experience with handling large agricultural datasets for analysis and development of biomass and bioenergy databases.; Knowledge of Computational Fluid Dynamics for development of biomass-based-combustion devices.; Production of biochar via Thermochemical conversion route.; Testing and R&D experience in improved biomass cookstoves and knowledge of standard testing protocols.; Prior experience in organizing training programs and workshops in area of bioenergy; Master's degree in Renewable Energy / Mechanical / Production Engineering / Technology is preferred.

**Age Limit:** The maximum / upper age limit shall be 50 years, which is relaxed in the case of candidates belonging to Schedule Castes / Schedule Tribes, Physically Handicapped and OBC (NCL) applicants as per Govt. of India rules & regulations.

**Tenure:** PPA will be tenable initially for a period of one year could be extended to 2

more years based on satisfactory performance. The term is extendable on the basis of assessment of the progress made through publications. Extension of the tenure will be on receiving the recommendation of the three members Expert Committee consisting of scientist concerned, Head of the Division and external expert in the relevant field. The extension of the tenure will be purely on the basis of progress report and recommendations of review committee.

4. **Stipend / Fellowship Amount:**

Sl. No.	Designation	Emoluments
1.	Principal Project Associate (PPA)	INR 67,000 per Month + (HRA as admissible or Hostel facility if available)

5. **Service Conditions:**

**Selection:** Selection of the fellows would be strictly based on merit and through open advertisement. Both online and hardcopy application will be considered and reviewed as per requirement of the Institute. A committee under the Chairmanship of Director General, SSS-NIBE having subject expert will assess the applicants through personal interview. Successful applicants will be communicated as per procedure. No TA / DA will be paid for attending interview.

**Tenure:** The performance of the fellow will be reviewed through an appropriate review committee (three members) constituted by the Director General of the Institution before extending the tenure in terms of fellowship tenure. Research Fellow to submit annual progress report to Guide/Project Incharge/Scientist.

**DA & CCA:** PPAs will not be entitled to these allowances.

**House Rent Allowance (HRA):** All research fellows may be provided hostel accommodation wherever available and those residing in accommodation provided by the Institute will not be eligible for drawing HRA. Wherever provision of hostel accommodation is not possible, HRA may be allowed as per Central Government norms applicable for Kapurthala. The fellowship amount may be taken as basic for calculating the HRA.

**Leave and other entitlement benefits:** The fellows are eligible for Leave with stipend not exceeding 30 days for each completed calendar year. The leave will be treated as part of the Fellow's tenure. During the first year of Fellowship or any

uncompleted year, leave may be granted on pro-rata basis. In case Fellow proceeds on leave before termination of Fellowship, he/she must join back before the expiry of tenure; failing which the tenure will be deemed to have terminated with effect from the date he/she proceeded on leave. The fact of joining back from leave should be communicated to SSS-NIBE immediately. Participation of PPAs in any scientific event/workshops in India or abroad will be treated as "on duty" and subject to prior approval of competent authority well in advance. The travel entitlement for Fellows for participation in scientific events/ workshops in India will be 2nd AC by rail. Maternity leaves as per Govt. of India instructions issued from time to time would be available to female candidates.

**Bonus & Leave Travel Concession:** PPAs will not be entitled to these allowances.

**Retirement Benefits:** PPAs will not be entitled to these benefits.

**Publication/Patent:** The results of PPAs research work may be published in standard refereed journals at the discretion of the Fellow or his Guide with prior approval of the Institute. It should be ensured by the fellow that the assistance provided by the Funding Agency / Institution of Government of India is acknowledged in all such publications and one copy of the published research papers should be sent to SSS-NIBE.

**General Conditions - SSS-NIBE Bio-Energy Promotion Fellowship.**

- The application has to reach the Institute within 07 days from the publication date of advertisement in Employment News.
- Recruitment would be based on the need in a given areas of specializations within the Institute. The areas/specializations in which candidates will be recruited will be updated periodically in line with the Institute's requirements.
- SSS-NIBE Bio-Energy Promotion Fellowships are tenable in India. Only bonafide Indian citizens, residing in India are eligible for the award of research fellowship.
- The applications received will be screened by a committee for short listing the candidates for interview. The eligible applicants would be interviewed by a duly constituted committee. The committee would recommend the candidate(s), if found suitable, for consideration of the competent authority for engagement on Fellowship/Stipendiary basis.
- Detailed information about the research areas of Faculty Members in the above disciplines can be obtained from the Institute website at [www.nibe.res.in](http://www.nibe.res.in). The applicants are strongly encouraged to go through profiles of Faculty Members and to get familiar with their specialization and research interest.
- The award of Principal Project Associate is temporary for a fixed tenure and does not imply any assurance or guarantee for subsequent employment by SSS-NIBE to the beneficiaries. The awardees shall not lay claim to the permanent absorption in SSS- NIBE after the expiry of fellowship.
- The authority to award/terminate fellowship and relax any of the conditions vests with the Director General, SSS-NIBE.
- Selected Fellow has to be a full-time researcher and submit himself/herself to the disciplinary regulations of the Institute.
- Fellow shall be governed by the disciplinary regulations of the institute.
- Fellows must submit a detailed annual report as per prescribed format.
- Fellows must send a detailed consolidated report of the research work done during the entire period of fellowship on completion of the tenure/resignation of the fellowship as per prescribed format.
- In case fellow decided to appear for competitive examination, he/she would invariably seek permission from the guide and competent authority.
- Fellow is not to take any assignment other than related to his/her approved research programme, paid or unpaid. However, if required, the fellow may be asked to assist the



institute in other activities as assigned by the competent authority. However, it should be ensured that these assignments should not hamper the progress of research work of the fellow.

- No fellow shall discontinue his/her fellowship without prior approval of Director General, SSS-NIBE. In case he/she wishes to discontinue the fellowship prior to completion of the tenure on attainment of original objectives of research, he/she must submit the resignation to Director General, SSS-NIBE through the guide one month in advance indicating specific reasons for not continuing the fellowship.
- The research fellow shall keep inform Director General, SSS-NIBE about his/her getting the higher degree if any, submission/acceptance/ publication of any research paper arising out of the research work done during the tenure of the fellowship.
- He/She must acknowledge the support of SSS-NIBE in the publication(s). One copy of each of all the research papers published must be sent to SSS-NIBE at each stage of manuscript/publication/reprint.

**Patent:** The commercial exploitation of the results and ownership of patent rights pertaining to investigations concerning the intellectual work of the SSS-NIBE research fellows/associates will be as follows: -

- (i) SSS-NIBE at its own cost may seek the patent rights and/or commercial exploitation of the results of the intellectual work of the fellow and all right would vest exclusively with SSS-NIBE.
- (ii) All matters concerning ownership of IP and its licensing/exploitation would be governed by the IP policy defined by the MNRE/SSS-NIBE.