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NATIONAL INSTITUTE OF SOLAR ENERGY
(An autonomous Institute of Ministry of New & Renewable Energy)
GwalPahari, Gurugram

Dated: 29 .03.2023

WALK-IN INTERVIEW

Subject: Advertisement for the position of Research Associate (RA) at National Institute of Solar Energy (NISE), Gwal-Pahari, Gurugram.

National Institute of Solar Energy (NISE) is an Autonomous Institute of Ministry of New and Renewable Energy, Government of India to function as an Apex National Centre for research and technology development and related activities in the areas of Solar Energy Technologies in the Country. NISE is located on a 200-acre campus at the Gurugram-Faridabad Road, Gwal-Pahari, Gurugram, Haryana.

2. NISE invites application from outstanding and enthusiastic researchers from Indian citizen for RA position from FY 2022-23 to FY 2025-26. Candidate should be passionate about working on cutting edge research leading to high impact publications and product development in the field of solar energy. The details of the qualification, experience, eligibility criteria, job requirement & remuneration etc. are given below:

Sl. No.	Post Name and Upper Age Limit	Number of Position	Essential qualifications and Experience	Period of Engagement	Job requirement	Consolidated remuneration (Rs. per month)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Research Associate (RA) Upper limit: 35Years* <i>(The upper age limit is relaxable up to 5 years in the case of applicants belonging to SC/ST, physically handicapped and women applicants whereas 3 years in case of OBC (Non-Creamy Layer</i>	01 <i>(One)</i>	<ul style="list-style-type: none">• Ph.D# in Electrical / Electrical & Electronics /Electronics & Communication/ Mechanical / Renewable Energy/ Computer Science Engineering/ Atmospheric Science, or related field.OrM.Tech in Engineering (Electrical / Electrical & Electronics /Electronics & Communication/ Mechanical / Renewable Energy/ Computer science/Atmospheric Science), or related field with at least three years of experience in relevant field (mentioned in job requirement). Experience in solar data analysis will be preferred.	Engagement shall be initially for a period of one year and extendable up to three years on year to year basis depending upon the performance.	<u>Solar Potential Assessment and Forecasting</u> <ul style="list-style-type: none">○ Analyzing spatial data through the use of mapping software.○ Designing digital maps with geographic data and other data sources.○ Preparation of the detailed solar potential map at the state/district-level.○ Analyzing the solar radiation data of India (state and district-wise).○ To develop solar radiation forecasting (short-term and long-term) models using machine learning.○ Planning and	<ul style="list-style-type: none">• Rs. 47000/- per month <p>HRA will be applicable as per central govt. norms.</p> <p>(Contingency: Actual or maximum of Rs. 20,000/- per year, whichever is less.)</p>

	<i>candidates).</i>		<p># Those who have submitted their Ph.D. thesis are also eligible to apply. Selection in such cases will be subject to the condition that PhD viva-voce done & declared qualified for award of PhD/awarded PhD degree before the expiry of the validity of the award offer.</p> <ul style="list-style-type: none"> • The candidate applying for RA must have at least one research publication in standard refereed journal as listed in Journal Citation Reports (JCR). • Proficiency with database programming languages such as SQL, R or Python. • Must have working experience with GIS based mapping tools. • Excellent written and verbal communication. <p>Desirable Experience</p> <ul style="list-style-type: none"> • Certification in data science and machine learning. • Understanding of solar potential assessment and forecasting. • Implement data science solutions that may involve machine learning or data science techniques. • Knowledge of statistical approaches, incl. advanced machine-learning techniques. 		<p>execution of relevant research work and data analyses, including modelling, and survey etc.</p> <ul style="list-style-type: none"> ○ Contribute to broader research activities and output of the Group with support and guidance, both individually and as a member of a team. ○ Maintain a high-quality record of regular and original research publications of high international standing including peer reviewed journal papers. ○ Present and demonstrate research results at project workshops, seminars and conferences. 	
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*Age and experience as on the date of Walk-in-Interview.

3. Terms & Conditions

- i. **Period of Engagement:** Period of engagement is as stated in column (5) of the eligibility criteria against this post. The position is purely on temporary basis. There will not be any claim from the candidate for seeking permanent position in the institute.
- ii. **Selection Procedure:** The engagement will be purely on short term contract basis. Selections will be based on walk in interview in response to this advertisement, on the basis of relevant research work and qualification of applicants.
- iii. **Remuneration:** As per the National Renewable Energy Fellowship (NREF), MNRE norms as stated in column (7) of the eligibility criteria Table.
- iv. **Scope of Duties:** During the period of such engagement, the candidates would be required to perform any work

as specified in the above table along with any other duties assigned to them by the Heads of the divisions/laboratories of NISE.

- v. **Leave:** (a) Leave with stipend not exceeding 30 days for each completed year of tenure may be allowed by the DDG after the request has been communicated to NISE. The leave will be treated as part of the Associate's tenure. The leave due can be carried over to the next year, however not more than 90 days can be accumulated at any time during the tenure. Of this not more than 30 days can be availed in a calendar year with stipend and beyond that any leave will be treated as "Leave Without Stipend". During the first year of Associateship or any uncompleted year, leave may be granted on pro-rata basis. Sanction of leave without stipend may be considered by NISE under special circumstances. In case an RA proceeds on leave before expiry of Associateship tenure, 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.
- (b) The Associate should not be allowed to proceed on leave to visit abroad for attending conferences/seminars etc. without prior approval of the NISE well in advance. The entire duration of such foreign visits if funded by any national/international agency, whether partially or fully, would be treated as leave without stipend.
- (c) Women Research Associate with less than two surviving children are entitled to full stipend plus HRA, during the period of absence upto 180 days on grounds of maternity. The Associateship amount for leave period will be paid after the fellow resumes duty and submits a medical certificate in support of actual confinement. It is expected that the Associate will make up for the research work during the remaining tenure.
- (d) Male Research Associate of NISE with less than two surviving children are entitled for 15 days' paternity leave during confinement of his wife on submission of relevant documentary proof.
- vi. **TA/DA:** No TA/DA is admissible for attending the interview or joining the assignment. Should they be required to travel outside Delhi in connection with the work of the NISE during the period of their engagement, they will be entitled to draw TA/DA, as per rules of the institute.
- vii. **Office time and working hours:** Engagement would be on full time basis. Working hours shall be from 9.00 AM to 5.30 PM during working days including half an hour lunch break in between. They will not be allowed to take any other assignment during the period of contractual engagement. The candidates may be called on Saturday/ Sunday/ other Gazetted holidays, if required.
- viii. **Confidentiality of data and documents:** The Intellectual Property Rights (IPR) of the data collected as well as the deliverables produced for the institute shall remain with this institute. No one shall utilize or publish or disclose or part with, to a third party, any part of the data or statistics or proceedings or information collected for the purpose of this assignment or during the course of the assignment for the institute, without the express written consent of the institute. The candidate shall be bound to hand over the entire set of records of assignment to the institute before the expiry of the contract, and before the final payment is released by the institute.
- ix. **Conflict of interest:** The candidate engaged by this institute, shall in no case represent or give opinion or advice to others in any matter which is adverse to the interest of this institute.
- x. **Termination of service:** The engagement may be terminated at any time by the institute without assigning any reasons by giving a notice of 15 days. In case, the candidate desires to leave the assignment, he/she is to give 15 days' notice which can be curtailed /extended depending upon the workload.
- xi. **Number of Positions:** The number of positions have been indicated above in the Table at Column (3).
- xii. **Medical Facilities:** As per institute norms.
- xiii. **Decision:** The decision of the Director General, NISE, Gwal Pahari, Gurugram, Haryana in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, and conduct of examination/interview will be final and binding on candidate.
- xiv. **Relaxation:** The upper age limit is relaxable up to 5 years in the case of applicants belonging to SC/ST, physically handicapped and women applicants whereas 3 years in case of OBC (Non-Creamy Layer Candidates).

4. **Date of Walk-in-Interview: 14.04.2023 (Friday)** i.e. after 15 days from the date of publishing in newspapers and website of NISE and MNRE.

5. Please carry all the original testimonials and **one set of self-attested photocopy** at the time of interview along with the original printed application form.

Director General
National Institute of Solar Energy
Gwal Pahari, Gurugram-Faridabad Road,
Gurugram, Haryana

11. Publications (List of papers published in SCI/JCR Journals, in year wise descending order)

Sl. No.	Author(s)	Title	Name of the Journal	Volume	Page	Year

12. Detail of patents.

Sl. No.	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/ Country	Status

13. Books/Reports/Chapters/General articles etc.

Sl. No.	Title	Author's Name	Publisher	Year of Publication	Type (Books/Reports/ Chapters/General articles etc.)

14. Area of specialization: _____

15. One-page write-up research statement describing past research and plans as per the job requirement stated in column (6).

All particulars furnished above are correct and to the best of my knowledge and belief.

I hereby undertake that I shall abide all the terms and conditions laid down in the advertisement.

Date:

(Signature of candidate)

Place:

Undertaking by the Fellow

I, , Daughter/ Son of, resident of agree to undertake the following, If I am offered the Research Associate (RA) in National Institute of Solar Energy, An Autonomous Institute under Ministry of New and Renewable Energy, GoI.

1. I shall abide by the rules and regulations of NISE during the entire tenure of the fellowship.
2. I shall also abide by the rules, discipline of the institution where I will be implementing my fellowship.
3. I shall devote full time to research work during the tenure of the fellowship.
4. I shall prepare the progress report at the end of each year and communicate the same to NISE through the mentor.
5. **I further state that I shall have no claim whatsoever for regular/permanent absorption on expiry of the fellowship.**

Date:

Signature

Place: