



No. A-12034/1/2021-Admin/294

Date:02.01.2025

Subject: Engagement for the post of 04 (Four) Subject Matter Expert (SME) purely on short term contract basis in various technical division of National Institute of Solar Energy, Gurugram.

National Institute of Solar Energy (NISE) is an Autonomous Institute of Ministry of New and Renewable Energy, Government of India. NISE is functioning as an Apex National Centre for research and technology development and related activities in the areas of Solar Energy Technologies. NISE is located on a 200-acre campus at the Gurugram-Faridabad Road, Gwal-Pahari, Gurugram, Haryana. The Institute works on development of Solar Energy Technologies and practices and contributes in advancement of related Science and Engineering. The R&D activities of NISE are carried out in coordination with other research organizations and industry.

2. NISE invites applications from suitable Indian citizens for their engagement for the posts mentioned below. The details of the post are given as under:

| Sl. No. | Manpower Position | Essential, Desirable Qualification & Experience | Job Description |
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| (1) | (2) | (3) | (4) |
| 1. | SME (01 number): Solar Resource Assessment & Forecasting | <p>(A) Essential Qualification:</p> <p>i. Master's degree in Physics/ Chemistry/ Renewable Energy/ Energy / Environmental Science or Bachelor's Degree in Engineering or Technology in Mechanical / Electrical/ Electronic from a recognized University or Institute.</p> <p>ii. Experience: specialized experience of Research and Development in R&D organizations / Industrial / Academic Institutions and / or Science and Technology Organizations / Private Sector. The experience shall be of a specific nature relevant to the job requirements of the post.</p> <p>Note: The period spent to acquire degree of essential qualifications from a recognized University or Institute before joining an organization shall not be counted as experience, specified above</p> <p>(B) Desirable Qualification:</p> <p>i. Doctorate Degree in the relevant subject of physics / Chemistry / Renewable energy / Energy/ Environmental Science or Master's Degree in Engineering / Technology in the discipline / subject to the job requirements.</p> <p>ii. Experience in Coordination, Policy Planning, and Project Development in the area of new and renewable sources of energy</p> | <ul style="list-style-type: none">•Conduct in-depth research on solar resource data, develop models for accurate solar forecasting, and assess solar potential across various regions.•Manage projects related to solar resource assessment, ensuring timely completion and alignment with institutional goals.•Drive innovation in solar resource assessment techniques and forecasting methods, integrating emerging technologies and data analytics.•Collaborate with stakeholders, including government agencies, research institutions, and industry partners.•Effectively communicate research findings and recommendations through reports, publications, and presentations. |

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| <p>2. SME (01 number): Circular Economy & Sustainability</p> | <p>(A). Essential Qualification:</p> <p>i. Master's degree in Physics/ Chemistry/ Renewable Energy/ Energy / Environmental Science or Bachelor's Degree in Engineering or Technology in Mechanical / Electrical/ Electronic from a recognized University or Institute.</p> <p>ii. Experience: specialized experience of Research and Development in R&D organizations / Industrial / Academic Institutions and / or Science and Technology Organizations / Private Sector. The experience shall be of a specific nature relevant to the job requirements of the post.</p> <p>*Note: The period spent to acquire degree of essential qualifications from a recognized University or Institute before joining an organization shall not be counted as experience, specified above</p> <p>(B) Desirable Qualification:</p> <p>i. Doctorate Degree in the relevant subject of physics / Chemistry / Renewable energy / Energy/ Environmental Science or Master's Degree in Engineering / Technology in the discipline / subject to the job requirements.</p> <p>ii. Experience in Coordination, Policy Planning, and Project Development in the area of new and renewable sources of energy</p> | <ul style="list-style-type: none"> •Provide expertise in circular economy practices and sustainability with a focus on PV module recycling and material recovery. •Conduct research on recycling processes, develop guidelines for re-use of secondary life PV modules, and assess recycling needs and potential. •Design and demonstrate innovative PV module recycling solutions and contribute to policy recommendations for end-of-life module management. •Formulate and recommend policies related to PV recycling and circular economy practices. •Collaborate with stakeholders, including government agencies, research institutions, and industry partners. •Effectively communicate research findings and recommendations through reports, publications, and presentations. |
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| <p>3. SME (01 number): Battery Energy Storage</p> | <p>(A). Essential Qualification:</p> <p>i. Master's degree in Physics/ Chemistry/ Renewable Energy/ Energy / Environmental Science or Bachelor's Degree in Engineering or Technology in Mechanical / Electrical/ Electronic from a recognized University or Institute.</p> <p>ii. Experience: specialized experience of Research and Development in R&D organizations / Industrial / Academic Institutions and / or Science and Technology Organizations / Private Sector. The experience shall be of a specific nature relevant to the job requirements of the post.</p> <p>*Note: The period spent to acquire degree of essential qualifications from a recognized University or Institute before joining an organization shall not be counted as experience, specified above</p> | <ul style="list-style-type: none"> •Provide expertise in the field of battery energy storage systems, including design, development, and integration. •Conduct research on battery technologies, performance optimization, and energy management strategies. •Develop and implement innovative solutions for battery energy storage, including grid integration and application in renewable energy systems. •Collaborate with stakeholders, including government agencies, research institutions, and industry partners. •Effectively communicate research findings and recommendations through reports, publications, and presentations. |
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| | <p><u>(B) Desirable Qualification:</u></p> <p>i. Doctorate Degree in the relevant subject of physics / Chemistry / Renewable energy / Energy/ Environmental Science or Master’s Degree in Engineering / Technology in the discipline / subject to the job requirements.</p> <p>ii. Experience in Coordination, Policy Planning, and Project Development in the area of new and renewable sources of energy</p> | |
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| 4. SME (01 number): PV modules and system | <p><u>(A). Essential Qualification:</u></p> <p>i. Master’s degree in Physics/ Chemistry/ Renewable Energy/ Energy / Environmental Science or Bachelor’s Degree in Engineering or Technology in Mechanical / Electrical/ Electronic from a recognized University or Institute.</p> <p>ii. Experience: specialized experience of Research and Development in R&D organizations / Industrial / Academic Institutions and / or Science and Technology Organizations / Private Sector. The experience shall be of a specific nature relevant to the job requirements of the post.</p> <p>Note: The period spent to acquire degree of essential qualifications from a recognized University or Institute before joining an organization shall not be counted as experience, specified above</p> <p><u>(B) Desirable Qualification:</u></p> <p>i. Doctorate Degree in the relevant subject of physics / Chemistry / Renewable energy / Energy/ Environmental Science or Master’s Degree in Engineering / Technology in the discipline / subject to the job requirements.</p> <p>ii. Experience in Coordination, Policy Planning, and Project Development in the area of new and renewable sources of energy</p> | <ul style="list-style-type: none"> •Conduct research on asset management and performance optimization of PV modules and systems, including the development of I-V translation procedures and energy rating methodologies for bifacial modules. •Develop forecasting models for the degradation rate of PV modules, ensuring long-term reliability and performance. •Establish procedures and methodologies for evaluating PV plant performance and ratings, with a focus on bifacial modules and overall system efficiency. •Analyse data related to the performance, reliability, and lifecycle of PV systems, providing insights into system optimization and longevity. •Develop strategies for integrating PV systems into agricultural applications (Agri-PV), focusing on enhancing productivity and sustainability in agricultural practices. •Collaborate with stakeholders, including government agencies, research institutions, and industry partners. •Effectively communicate research findings and recommendations through reports, publications, and presentations. |
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2. Period of Engagement: - The Engagement shall be initially for a period of three years and extendable up to a maximum of seven years on year-to-year basis depending upon the performance and functional requirement of the institute.

3. Age Limit, Number of experience required and remuneration: - The proposed SME’s shall be governed as on closing date of submission of application with following admissibility:

| SME corresponding to | Pay Level | Age | Experience* |
|----------------------|-----------|-----|---|
| | 10 | 35 | Less than 04 years |
| | 11 | 40 | 04 years or more and less than 08 years |
| | 12 | 45 | More than 08 years |

**Specialized experience of Research and Development in R&D organizations / Industrial / Academic Institutions and / or Science and Technology Organizations / Private Sector. The experience shall be of a specific nature relevant to the job requirements of the post.*

Terms & Conditions:

1. The NISE reserves the right to accept or reject in part or in full any or all the responses without assigning any reason whatsoever. The number of positions may vary and the NISE reserves the right to increase or decrease the number of positions or create a panel for filling up positions arising in future.
2. The engagement is purely on contract basis for a period of three years which can be extended maximum seven years on year to year basis depending on the performance of the candidate / need of the Institute and decisions taken / approval of the Competent Authority in NISE, from time to time.
3. The engagement of the above position is of a temporary (non-Official) nature and can be withdrawn at any time within the period mentioned above without assigning any reason or prior notice and shall not bestow any claim or right for seeking regular employment in the National Institute of Solar Energy.
4. Selection in the Institute is free, fair and merit based. Any attempt to influence the selection process & submission of false information detected at any stage is liable to lead to termination of the candidature of service and legal action against the concerned individual will be initiated.
5. The admissibility of considering different pay level shall be strictly in accordance with condition given viz. age, experience and performance during interview of proposed post only.
6. No TA/DA will be provided to any candidate for attending the interview/ joining the engagement upon selection.
7. Leave: The candidate would not be entitled to any kind of regular leave. However, they would be entitled to Casual Leave of 1.5 days in a calendar month, to be calculated on pro-rata basis.
8. The NISE is committed to comply all the provisions of labour laws applicable to autonomous organization registered under society act.
9. 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 Gazette holidays, if required.
10. The Income Tax or any other tax liable to be deducted, as per the prevailing rules will be deducted at source before effecting the payment for which the office will issue TDS certificate.
11. 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 purposed 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.
12. 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.
13. 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 work load.
14. Mere fulfilment of educational qualification will not entitle the candidate for being called for interview. The applications will be shortlisted based on the academic records / educational qualifications / experience in the required field relevant to the actual job requirements by Screening Committee. Incomplete applications will be out-rightly rejected and no correspondence for that will be entertained.
15. An intimation regarding Interview will be sent to the shortlisted candidates via email separately.
16. The candidate seeking benefit of relaxation of age for SC, ST, EWS & OBC may require to furnish requisite certificate issued in light of provision issued by central Govt. from time to time.
17. 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.
18. Any resulting dispute arising out of this advertisement including the engagement process shall be subject to the sole jurisdiction of Punjab & Haryana High Court, Chandigarh.
19. Other terms and conditions will be as stipulated in the engagement offer as and when issued.
20. Candidates must be in sound health. They must, if selected be prepared to undergo such medical examination and satisfy such medical authority as government require.
21. The number of positions may vary depending upon the institute's requirement.

How to apply:

1. **Submission of Application:** Interested candidates may send their duly filled application form in the prescribed format as per Annexure I along with attested photocopies of documents in support of educational qualifications, age and experience. The requisite filled application form with attested photocopies of documents in support of educational qualifications, age and experience should be submitted via email in a single PDF latest by 21 days from the date of publication the advertisement in Employment Newspaper/Rozgar Samachar writing the subject as “Application for “Name of the position” in NISE to the following email ID: recruitment.nise@nise.res.in
2. **Application fees:** No fees are required to be paid by the applicant.
3. **Announcements:** All further announcements / details pertaining to this process will only be published /provided on NISE websites www.nise.res.in from time to time. Candidates are advised to regularly keep in touch with the authorized NISE website www.nise.res.in for details and updates. In case of any queries please write to **recruitment.nise@nise.res.in**.
4. **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 interview will be final and binding on candidate.

Sd/-
Administrative Officer
National Institute of Solar Energy
Gwal Pahari, Gurugram-Faridabad Road,
Gurgaon – 122003 (Haryana)

**Note: NISE reserves the right to Revise / Reschedule / Cancel / suspend the process without assigning any reasons. The decision of NISE shall be final and no appeal shall be entertained.*

ANNEXURE-I

**APPLICATION FORMAT FOR ENGAGEMENT IN THE NATIONAL INSTITUTE OF SOLAR ENERGY
(NISE) PURELY ON SHORT-TERM CONTRACT BASIS AT GURUGRAM, HARYANA-122003**

Photograph
(Paste only/Do not
Staple)

NAME OF THE POSITION APPLIED FOR

Division

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| 1. | Name in Block letters. | |
| 2. | Father's Name | |
| 3. | Date of Birth (DD/MM/YY) | |
| 4. | Nationality | |
| 5. | Age (as on last date of application) | |
| 6. | Mailing address | |
| 7. | Telephone/mobile No: e-mail address | |
| 8. | Permanent address: | |

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| 9. | Educational Qualifications: | | | | |
| Sl. No. | Course | Subject | University / Institute | Year of Passing | Division / Class |
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10. Work Experience (can attach a separate sheet)

| Sl. No. | Organization/ Institute | Post held | Scale of Pay/ Consolidated Amount | Period | | Nature of work | Reason for Leaving | Permanent or Temporary |
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11. Area of specialization:

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

(Signature of Candidate)

Date:

Place: