



No. SDD-34013/1/2023-SDD
National Institute of Solar Energy
(An Autonomous Institute of Ministry of New and Renewable Energy, Govt. of India)
Gwal-Pahari, Gurugram



Date: 11.04.2023

Subject: Engagement of Senior Project Engineer & Project Engineer purely on short-term contract basis in National Institute of Solar Energy

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. 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. NISE invites applications from suitable candidates of Indian nationality for their engagement as under:-

S. No.	Name / Division/Number/ Qualifications/ Experience/Age	Period of Engagement	Job Requirement	Consolidated remuneration
1.	<p>Sr. Project Engineer</p> <p>(i) Division & No. of Posts - Technical Consultancy & 01</p> <p>(ii) Essential Qualification(s) B.E. / B. Tech. in Engineering (Electrical / Electrical & Electronics / Electronics & Communication/ Mechanical / Renewable Energy or other relevant filed.</p> <p>M. Tech in relevant field will be preferred</p> <p>iii) Experience: Six years of experience after graduation or three year of experience after post-graduation in the area of solar PV plants, technologies and applications and related areas</p> <p>Upper age limit - 45*</p>	<p>Engagement shall be initially for a period of one year and extendable up to a maximum of three years on year-to-year basis depending upon the performance and functional requirement of the institute.</p>	<ul style="list-style-type: none">To provide technical know-how for Solar PV Power Projects for the Government Bodies, Industry and International agenciesTo analyse the performance of Solar PV Plant by analysing the Data collected from the ground, onsite testing & characterization and prepare the technical reports.To assist in audit of PV Modules manufacturing & testing facilities as per International/National Practices.QA/QC of manufacturing facilities of Solar Power Plants, Solar PV Modules Manufacturing.To carryout vetting of designs of cell/module manufacturing units.Preparation, evaluation & drafting of tenders & Technical Bid, Pre-feasibility analysis.Validation & verification of PV Modules design as per BOM & technical parameters.Vetting & preparation of designs, drawings, & DPR	<p>Consolidated fixed amount of Rs.70000/- per month for first year, Rs.75000/- for second year, Rs.80000/- for third year for candidates opted for three-year engagement.</p> <p>Consolidated remuneration will be inclusive of all applicable taxes. No allowances such as Dearness allowance, house rent allowance, residential telephone, etc. is admissible.</p>
2.	<p>Project Engineer</p> <p>(i) Division & No. of Posts - Technical Consultancy & 01</p> <p>(ii) Essential Qualification(s) B.E. / B. Tech. in Engineering (Electrical / Electrical & Electronics / Electronics & Communication/ Mechanical / Renewable Energy or other relevant filed</p> <p>iii) Experience : Three years post qualification experience in solar energy technologies and SPV projects</p> <p>Upper age limit - 40*</p>	<p>Engagement shall be initially for a period of one year and extendable up to a maximum of three years on year-to-year basis depending upon the performance and functional requirement of the institute.</p>	<ul style="list-style-type: none">To assist in preparation of feasibility/ detailed project reports/ tender documents, preparation of financial proposals & implementation/ evaluation thereof.To collect the data for technical evaluation and preparation of reports.Preparation, evaluation & drafting of tenders & Technical Bid, Pre-feasibility analysis.	<p>Consolidated fixed amount of Rs.50000/- per month for first year, Rs.53000/- for second year, Rs.56000/- for third year for candidates opted for three-year engagement.</p> <p>Consolidated remuneration will be inclusive of all applicable taxes. No allowances such as Dearness allowance, house rent</p>

				allowance, residential telephone, etc. is admissible.
3.	<p>Sr. Project Engineer</p> <p>(i) Division & No. of Posts – Solar potential assessment and forecasting & 01</p> <p>(ii) Essential Qualification(s) B.E. / B. Tech. in Engineering (Electrical / Electrical & Electronics / Electronics & Communication/ Mechanical / Renewable Energy or other relevant field</p> <p>M. Tech in relevant field will be preferred</p> <p>iii) Experience : Six years of experience after graduation or three year of experience after post-graduation in the area of Data analysis</p> <p>Experience in solar data analysis will be preferred</p> <p>Should have proven working experience as a Data Analyst</p> <p>Technical expertise regarding data model, certification in data science and machine learning is mandatory.</p> <p>Upper age limit - 45*</p>	Engagement shall be initially for a period of one year and extendable up to a maximum of three years on year-to-year basis depending upon the performance and functional requirement of the institute.	<ul style="list-style-type: none"> Identify, analyse, and interpret trends or patterns in complex data sets Ability to collect, organise, analyse, and disseminate significant amounts of information with attention to detail and accuracy Preparation of the detailed solar potential map at the state/district-level. Analysing the solar radiation data in India (state and district-wise) To develop solar radiation forecasting (short-term and long-term) models using machine learning Planning and execution of relevant research work and data analysis, including modelling and survey etc. Contribute to broaden research activities and output of the Group with support and guidance both individually and as a member of 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 	<p>Consolidated fixed amount of Rs.70000/- per month for first year, Rs.75000/- for second year, Rs.80000/- for third year for candidates opted for three-year engagement.</p> <p>Consolidated remuneration will be inclusive of all applicable taxes. No allowances such as Dearness allowance, house rent allowance, residential telephone, etc. is admissible.</p>
4.	<p>Sr. Project Engineer</p> <p>(i) Division & No. of Posts – Skill Development Division (Suryamitra) & 01</p> <p>(ii) Essential Qualification(s) B.E. / B. Tech. in Engineering (Electrical / Electrical & Electronics / Electronics & Communication/ Mechanical / Renewable Energy or other relevant filed</p> <p>iii) Experience : Six years post qualification experience in the solar energy technologies and applications</p> <p>Experience in skill development programmes in Government organisation/ Academic institution/ industry/autonomous institutions will be preferred</p> <p>Upper age limit - 45*</p>	Engagement shall be initially for a period of one year and extendable up to a maximum of three years on year-to-year basis depending upon the performance and functional requirement of the institute.	<ul style="list-style-type: none"> To Develop course material & content for Solar PV (manufacturing, O&M and Asset management) and green Hydrogen Training programme To prepare technical and financial proposal for conducting National, International & Industrial Training Programmes. To prepare Hands on Practical Training Material for different Training Programmes. To perform and explain lab experiments for different training programmes. To manage and execute International and National Training Programmes To Liaison with Industry, Government Bodies and International agencies to conduct Training Programme 	<p>Consolidated fixed amount of Rs.70000/- per month for first year, Rs.75000/- for second year, Rs.80000/- for third year for candidates opted for three-year engagement.</p> <p>Consolidated remuneration will be inclusive of all applicable taxes. No allowances such as Dearness allowance, house rent allowance, residential telephone, etc. is admissible</p>
5.	<p>Sr. Project Engineer</p>	Engagement shall be initially for a period of	<ul style="list-style-type: none"> To assist in project management and implementation activities. 	Consolidated fixed amount of Rs.70000/- per

	<p>(i) Division & No. of Posts – Skill Development Division (Suryamitra) & 01</p> <p>(ii) Essential Qualification(s) B.E. / B. Tech. in Engineering (Electrical / Electrical & Electronics / Electronics & Communication/ Mechanical / Renewable Energy or other relevant filed</p> <p>iii) Experience : Six years post qualification experience in the solar energy technologies and related fields</p> <p>Experience in skill development programmes in Government organisation/ Academic institution/ industry/autonomous institutions will be preferred</p> <p>Upper age limit - 45*</p>	<p>one year and extendable up to a maximum of three years on year-to-year basis depending upon the performance and functional requirement of the institute.</p>	<ul style="list-style-type: none"> To assist in preparation/modification of the technical content of the Suryamitra/other training course, liaison with SCGJ and Training Partners on the quality aspects of the course. Performance evaluation and monitoring of the project implementation with concerned stakeholders and Training Partners. Assist in for achieving overall project objectives /deliverables. Assist in monitoring and evaluation of Suryamitra programme. Coordination with Stake holders & training partners Prepare and produce reports, forms, and documents for skill development/ trainings. 	<p>month for first year, Rs.75000/- for second year, Rs.80000/- for third year for candidates opted for three-year engagement.</p> <p>Consolidated remuneration will be inclusive of all applicable taxes. No allowances such as Dearness allowance, house rent allowance, residential telephone, etc. is admissible.</p>
6.	<p>Sr. Project Engineer</p> <p>(i) Division & No. of Posts – Approved List of Models and Manufacturer (ALMM) & 01</p> <p>(ii) Essential Qualification(s) B.E. / B. Tech. in Engineering (Electrical / Electrical & Electronics / Electronics & Communication/ Mechanical / Renewable Energy or other relevant filed</p> <p>M. Tech in relevant field will be preferred</p> <p>iii) Experience : Six years of experience after graduation or three year of experience after post-graduation in the area of solar PV plants, technologies and applications and related areas</p> <p>Upper age limit - 45*</p>	<p>Engagement shall be initially for a period of one year and extendable up to a maximum of three years on year-to-year basis depending upon the performance and functional requirement of the institute.</p>	<ul style="list-style-type: none"> Ability to collect, organize, analyze, and disseminate significant amounts of information with attention to detail and accuracy. Planning and execution of relevant research work and data analyses pertaining to solar manufacturers and related industries Identify, analyze, and interpret trends or patterns in complex data sets To carry out the verification of documents received against ALMM enlistment in the application Coordination with solar modules manufacturer for inspection and related activities Data Base Management of ALMM Cell Development and Manage Online Portal for ALMM Contribute to broader activities and output of the Group with support and guidance, both individually and a member of a team. 	<p>Consolidated fixed amount of Rs.70000/- per month for first year, Rs.75000/- for second year, Rs.80000/- for third year for candidates opted for three-year engagement.</p> <p>Consolidated remuneration will be inclusive of all applicable taxes. No allowances such as Dearness allowance, house rent allowance, residential telephone, etc. is admissible.</p>
7.	<p>Project Engineer</p> <p>(i) Division & No. of Posts – Approved List of Models and Manufacturer (ALMM) & 02</p> <p>(ii) Essential Qualification(s) B.E. / B. Tech. in Engineering (Electrical / Electrical & Electronics / Electronics & Communication/ Mechanical / Renewable Energy or other relevant filed</p> <p>iii) Experience : Three years post qualification experience in solar energy technologies and SPV projects</p>	<p>Engagement shall be initially for a period of one year and extendable up to a maximum of three years on year-to-year basis depending upon the performance and functional requirement of the institute.</p>		<p>Consolidated fixed amount of Rs.50000/- per month for first year, Rs.53000/- for second year, Rs.56000/- for third year for candidates opted for three-year engagement.</p> <p>Consolidated remuneration will be inclusive of all applicable</p>

	Upper age limit - 40*			taxes. No allowances such as Dearness allowance, house rent allowance, residential telephone, etc. is admissible.
8.	<p>Project Engineer</p> <p>(i) Division & No. of Posts – Solar cell & module (R&D) & 01</p> <p>(ii) Essential Qualification(s) B. Tech or B.E. in Electrical / Mechanical / Electronics/ Engineering Physics/ Chemistry/ Instrumentation Or other relevant filed</p> <p>Or</p> <p>M. Sc. In renewable energy/physics/chemistry/electronics M. Tech in relevant field is desirable</p> <p>iii) Experience : Minimum three years' experience in academic institute/ research institute/industry with exposure to Instrumentation, clean room environment and handling of equipment used in basic research</p> <p>No working experience is required for candidate having M.Tech in relevant field</p> <p>Upper age limit - 40*</p>	Engagement shall be initially for a period of one year and extendable up to a maximum of three years on year-to-year basis depending upon the performance and functional requirement of the institute.	<ul style="list-style-type: none"> • Maintenance of clean room and Equipment • Characterization of samples using the equipment in advanced solar cell characterization lab at NISE. • Experimental work on various R&D activities related to high efficiency solar cell and module • Maintain a high-quality record of regular and original research publications of high international standing including peer reviewed journal paper • Present and demonstrate research results at project workshops, seminars and conferences 	<p>Consolidated fixed amount of Rs.50000/- per month for first year, Rs.53000/- for second year, Rs.56000/- for third year for candidates opted for three-year engagement.</p> <p>Consolidated remuneration will be inclusive of all applicable taxes. No allowances such as Dearness allowance, house rent allowance, residential telephone, etc. is admissible.</p>
9.	<p>Project Engineer</p> <p>(i) Division & No. of Posts – Solar Water Pumping & 01</p> <p>(ii) Essential Qualification(s) B.E. / B. Tech. in Engineering (Electrical / Electrical & Electronics /Electronics & Communication/ Mechanical / Renewable Energy or other relevant filed</p> <p>M. Tech in relevant field will be preferred</p> <p>iii) Experience : Minimum three years experience in academic institute/ research institute/industry with exposure to Instrumentation, clean room environment and handling of equipment used in basic research</p> <p>No working experience is required for candidate having M.Tech in relevant field</p> <p>Working experience of MATLAB/SIMULINK, CAD, or any other designing/modelling software of electrical and mechanical stream is desirable</p> <p>Upper age limit - 40*</p>	Engagement shall be initially for a period of one year and extendable up to a maximum of three years on year-to-year basis depending upon the performance and functional requirement of the institute.	<ul style="list-style-type: none"> • Testing of Solar Water pumps and preparation of the report as per guidelines • Development of high efficiency solar water pumping system • Research and development activities related to low cost rugged micro irrigation systems. • Research and development activities related to agro-voltaic. • Maintain a high-quality record of regular and original research publications of high international standing including peer reviewed journal paper • Present and demonstrate research results at project workshops, seminars and conferences 	<p>Consolidated fixed amount of Rs.50000/- per month for first year, Rs.53000/- for second year, Rs.56000/- for third year for candidates opted for three-year engagement.</p> <p>Consolidated remuneration will be inclusive of all applicable taxes. No allowances such as Dearness allowance, house rent allowance, residential telephone, etc. is admissible.</p>

*Age as on the last date of submission of Application.

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 short-term contract basis for a period of one year which can be extended 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. **Warning:** 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. No other allowance or facilities like HRA, medical, accommodation, etc., will be permissible. No TA/DA will be provided to any candidate for attending the interview / joining the engagement upon selection.
6. The candidate would not be entitled to any kind of regular leave. However, they would be entitled to Casual Leave of 1.5 days for each completed month of service. Accumulation of leave beyond a calendar year may not be allowed.
7. **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.
8. 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.
9. 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.
10. **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.
11. 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.
12. 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.
13. An intimation regarding Interview will be sent to the shortlisted candidates via email separately.
14. 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.
15. 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.

16. Other terms and conditions will be as stipulated in the engagement offer as and when issued.

How to apply:

1. **Submission of Application:** Interested candidates may send their duly filled application form in the prescribed format as per Annexure I with attested photocopies of documents in support of educational qualifications, age and experience. The application form should be submitted via email in a single PDF latest by 21 days from the date of publication the advertisement in Newspaper, writing the subject as “Application for “Name of the position” & “ Division” 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. Please find attached the advertisement for manpower recruitment.
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.

**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)
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NAME OF THE POSITION APPLIED FOR..... Division.....

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:				
9.	Educational Qualifications:				
Sl. No.	Course	Subject	University / Institute	Year of Passing	Division / Class

10. Work Experience (can attach a separate sheet)

Sl. No.	Organization / Institute	Post held	Scale of Pay	Period		Nature of work	Reason for Leaving	Permanent or Temporary
				From	To			

11. Area of specialization: _____

I hereby undertake that I shall abide all the terms and conditions laid down in the advertisement. Furthermore, the information furnished above is true and correct to the best knowledge of applicant and in future, if found false, at any stage will be liable for rejection of the application/candidature.

(Signature of Candidate)

Date:

Place: