

ADVT. NO. : 78 /2016

**Recruitment for five positions of “Research Associate”
under funded project**

Indian Institute of Science Education and Research Pune is a premier autonomous Institution established by the Ministry of Human Resource Development, Government of India, for promotion of high quality science education and research in the country.

Institute invites applications from Indian nationals for the following positions on contract basis:

Name of the post	Research Associate (RA)
No. of posts	05 (Five)
Name of project	“Nanoscience for Clean Energy”
Funding agency	Department of Science and Technology (DST) (Nanomission), Ministry of Science and Technology, Government of India.
Project Code	30116256
Consolidated emoluments	Starting from Rs. 36,000/- + 30% HRA to Rs. 40,000/- + 30% HRA based on Experience.
Minimum qualification	Ph. D. in Physics or Chemistry or Materials Science
Preference	<p><u>RA Position No. 1 (Experimental)</u> : Desirable experience in electrochemistry, Photoelectrochemistry including PEC water splitting, Biofuels, charge storage etc.</p> <p><u>RA Position No. 2 (Experimental)</u> :Desirable experience in Thermoelectrics, Low dimensional materials synthesis, measurements of thermal and electronic properties, Synthesis of Oxides/Intermetallics</p> <p><u>RA Position No. 3 (Experimental)</u> : Desirable experience in solution phase nano materials growth including semiconductor QDs, plasmonic nano systems, templated/organized growth of nanostructure assemblies, and their optical properties.</p> <p><u>RA Position No. 4 (Experimental)</u> :Desirable experience in growth of thin films, heterostructures and nanostructures by</p>

	PLD, sputtering, CVD (physical vapour phase methods) etc. RA Position No. 5 (Theory) :Desirable experience in first-principles electronic structure calculations. The candidate should be open for in-house experimental collaborations in the fields of energy research. Experience in multiscale modeling will be a plus.
Job requirement	Developing materials, methods and analytical tools for the use of nanomaterials in clean energy applications.
Tenure	Initially for a period of one year, extendable for further period of two years subject to satisfactory performance of the incumbent and continuation of the study project
Age	Not more than 35 years as on closing date of advertisement
Last date of application	November 19, 2016

- Applicants should send the application in the prescribed format available below this advertisement by email (**convert into PDF Format**) addressed to phy_app@iiserpune.ac.in on or before **19th November, 2016**. Please mention the name of the Post and Project code in the subject line.
- **Important:** Since requirements for different posts are distinctly different, an applicant can state only two posts for which the application to be considered.
- The list of the shortlisted candidates for selection process with details of date, time and venue will be put up on the Institute website under this advertisement within one week of last date of the application. The shortlisted candidates will also be informed **by e-mail**.
- The print out of the application form sent by email signed and dated by the applicant along with recent passport size photograph and photocopies of relevant certificates and other testimonials in support of age, qualification, experience etc. will be collected at the time of selection process. Applicant must bring all the original certificates at the time of selection process for the purpose of verification, along with one set of photocopies.

General Information / details about the posts

1. Appointment is purely temporary and will terminate automatically without any notice or compensation on termination of the research project.
2. The appointed person shall have no claim of appointment / absorption in Funding Agency or in IISER Pune.
3. Appointment of the applicant will be governed by the terms and conditions of the funding agency particularly applicable to the said project
4. The qualification prescribed should have been obtained from recognized Universities / Institutions.
5. The prescribed educational qualifications are the bare minimum and mere possession of same does not entitle candidates to be called for interview. Where number of applications received in response to this advertisement is large, it will not be convenient or possible to interview all the candidates. Based on the recommendations of the Screening Committee,

the Project Investigator may restrict the number of candidates to be called for the interview to a reasonable limit after taking into consideration qualifications and experience over and above the minimum prescribed in the advertisement. Therefore, it will be in the interest of the candidates, to mention all the qualifications and experience in the relevant field at the time of applying.

6. No TA/DA will be admissible for appearing for the interview.
7. Selected candidates will have to join duty immediately on receipt of the offer.
8. Reservation as per Govt. of India norms will be followed.
9. No interim enquiries / correspondence / communication of any sort will be entertained on the matter.
10. Canvassing in any form and / or bringing any influence, political, or otherwise, will be treated as a disqualification for the post applied for.

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