

No. IITM /SRIC/Project No. IITM/SERB/RBS/410 / 2023

Date: 18.04.2023

Advertisement No.: IITM/SRIC/Project No. IITM/SERB/RBS/410 / 2023

Applications from Indian nationals are invited under the following project on a temporary basis with a consolidated salary. The renewal of services for a few months/years or up to the duration of the project will be based on satisfactory performance. The initial appointment will be for a period of 6 months or the end of the project (whichever is earlier).

Title of the Project	Development of Bifacial Indoor Photovoltaics Prototype for Self-Powering Smart Internet of Things (IoT's)	
Funding Agency	SERB	
Name(s) of the Project Investigator(s)	Dr. Ranbir Singh	
School/Center	School of Mechanical and Materials Engineering (SMME)	
Duration of the Project	In months: 36	End date (dd/mm/yyyy): 06.03.2026
Post (s)	Consolidated Pay-slab / Salary	Qualifications
Junior Research Fellow (JRF)/Project Associate-I	Rs 31,000/- p.m. plus HRA as applicable according the institute norm	Potential candidate should have B.Tech./M.Tech. in ECE / Material Science and Engineering or Master's in Physics/Chemistry or equivalent degree. Candidate should be NET or GATE qualified as applicable

The candidates who are interested to apply for the above post should download application form available on website of IIT Mandi (www.iitmandi.ac.in) and submit the duly filled form with complete CV (having personal details, academic qualifications, research experience, publications, name, affiliation and mobile number, email address of two referees, information regarding educational qualifications indicating percentage of marks/division, details of work experience, etc. as pdf attachment **by e-mail with advertisement No. on the subject line to the PI Dr. Ranbir Singh at email id: ranbir@iitmandi.ac.in**

IIT Mandi reserves the right to fix higher criteria for shortlisting of eligible candidates from those satisfying advertised qualifications and requirement of the project post. The name of the shortlisted candidates will be either displayed on website or communicated individually along with **the offline/online interview details.**

Relaxation of marks may be granted to the SC/ST Candidates as per Gol norms. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing Gol rules/ norms. **The last date for submitting the completed applications by email is 28/04/2023 by 5.00 p.m.** In case any clarification is required on

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Indian Institute of Technology Mandi
Kamand – 175 075, District – Mandi,
Himachal Pradesh, India

eligibility regarding the above post, the candidate may contact at email id:
ranbir.iitk@gmail.com; prasun.iitmandi@gmail.com

Additional information:

*Deserving candidate may have the opportunity to join Ph.D. in School of Mechanical and Materials Engineering (SMME), IIT Mandi as part time/ full-time on the subject to fulfilling eligibility criteria and satisfactory performance as per Institute norms.

Desirable Qualification

- Good knowledge in solid-state device physics.
- Experimental hand on thin film preparation and PV/photodetector device fabrications.
- Fundamental knowledge on PVs, photodetectors, and LEDs desirable.
- Knowledge on programming languages such as MATLAB or C++ also required (but not compulsory).

Contact Address:

(i) **Dr. Ranbir Singh (PI)**, School of Mechanical and Materials Engineering (SMME), IIT-Mandi. *(For job profile, responsibilities) Email: ranbir@iitmandi.ac.in*
School of Mechanical and Materials Engineering (SMME),
Indian Institute of Technology, (IIT), MANDI,
Himachal Pradesh, 175075, India

(ii) **Prof. Satinder Kumar Sharma (Co-PI)**
School of Computing and Electrical Engineering (SCEE)
Indian Institute of Technology (IIT)-Mandi, MANDI-175075
(Himachal Pradesh), India
Email: c4dfed@iitmandi.ac.in

Terms and Conditions:

- No TA/DA shall be paid to candidates for attending the offline Interview (online interview preferable).
- The PI & Co-PI reserve the right to conduct or not conduct interview for the post. The Screening Committee may fix higher criteria for shortlisting the candidates and date of online interview will be informed to the shortlisted candidate only.
- PI & Co-PIs reserve the right to fill up the post, not to fill up the post or cancel the advertisement in whole or partly without assigning any reason. The PI & Co-PIs will also reserve the right to place a reasonable limit on the total number of candidates as per requirement of the nature of project job to be called for interview without any further clarifications/justifications at any level. The decision of the project PIs in this regard will be final.