



Indian Institute of Technology Indore

Simrol Campus: Khandwa Road, Simrol, Indore 453552

IIT Indore

Annexure A2

Dated: 20th July 2016.

Advertisement for a Postdoctoral Position

Applications are invited from highly motivated and eligible candidates for a postdoctoral position in the research project entitled “*deposition and optical characterization of wide band gap semiconductors for optical, electronic and magneto optical applications*”.

Brief description of the project: Magnetic field tuning of optical properties are playing an important role in development of new generation of magneto optical based devices. In this regard the wide band gap semiconductors are being doped with the magnetic impurities to introduce the magneto optical effect in optically transparent oxides. The present research work will involve the thin film deposition and optical characterization of doped wide band gap semiconductors such as SiO₂, TiO₂, ZnO, ZrO₂, HfO₂ BaTiO₃, YFeO₃ etc. for optical, electronic and magneto optical applications. The candidates will also involve in the development of magneto optical transmission/reflection setup(s).

Eligibility: Ph.D. in Physics or relevant branch of engineering. Please note that you should have defended your Ph.D. dissertation.

Stipend:

Postdoctoral Fellow will be paid consolidated salary based on the following salary structure of the DST for Research Associate.

Category	Emoluments per month
Research Associate-I	Rs. 36,000/-
Research Associate-II	Rs. 38,000/-
Research Associate-III	Rs. 40,000/-

The category will be decided/recommended by the selection committee based on the qualification/Experience/Performance in the interview of the candidate.

Service conditions:

(i) DA: Postdoctoral Fellow will not be entitled to DA.

(ii) House Rent Allowance (HRA): All Postdoctoral Fellow may be provided accommodation based on availability and those residing in accommodation provided by the institute will not be eligible for drawing HRA. Wherever provision of hostel accommodation is not possible, HRA may be allowed to Postdoctoral Fellow as per Government norms applicable in the city/location where they are working. The fellowship amount may be taken as basic for calculating the HRA.

(iii) Medical Benefits: The Postdoctoral Fellow will be entitled for medical allowance as per institute policy.

(iv) The travel entitlement for Postdoctoral Fellow for participation in scientific events/workshops in India will continue to be as per institute norms.

Duration: The appointment is for one year.

Interested candidates are requested to submit a detailed CV to *Dr. P.R. Sagdeo* via e-mail: prs@iiti.ac.in by 7th August 2016.

Only shortlisted candidates will be intimated by email for an interview. No TA/DA will be paid for appearing in the interview.