**Indian Institute of Technology Bombay**

**Powai, Mumbai 400 076**

**Advt. No. B-31/P(09)/16-17**

**Want to contribute to cutting edge research?**

**Focused Ion Beam (FIB) Nanofabrication of Single / Poly Crystal Diamond Tools for Machining of Optical Elements (BOARD OF RESEARCH IN NUCLEAR SCIENCES)**

**JRF (1 Post)**

**Eligibility:** BE/BTech/MS with NET/GATE qualification or ME/MTech in Mechanical/Production/Material Science or equivalent. Research on diamond crystallography, grinding/lapping/FIB processing of diamond tools used in ultra precision machining. Practical experience in machining/finishing processes. Sound understanding of manufacturing processes and material crystallography. Exposure to microlab, SEM/XRD/Thin Film Deposition and other characterization techniques will be an added advantage.

**Salary:** Consolidated salary Rs.25000/- p.m. + HRA

**Duration of appointment:** 1 Year

**Last Date of receipt of the application is 10.10.2016**

Candidate should apply in the prescribed Application Form available at [http://www.ircc.iitb.ac.in/IRCC-Webpage/PDF/Application_online.pdf](http://www.ircc.iitb.ac.in/IRCC-Webpage/PDF/Application_online.pdf) mentioning Advertisement No.

Please send the application to the Asst. Registrar (Admin), Dean R & D Office, IRCC Wing, SJMSOM Building, Indian Institute of Technology Bombay, Powai, Mumbai-400076.

**Assistant Registrar (R&D)**

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**Indian Institute of Technology Bombay**

**Powai, Mumbai 400 076**

**Advt. No. B-33/P(10)/16-17**

**Want to contribute to cutting edge research?**

**Effect of plastic deformation and microstructure on hydrogen sorption in nanocrystalline Mg-based hydride thin films (BOARD OF RESEARCH IN NUCLEAR SCIENCES)**

**JRF (1 Post)**

**Eligibility:** BE/BTech/MS with NET/GATE qualification or ME/MTech in Metallurgical Engg./Material Science/Chemical Engg./Chemistry/Physics or equivalent. The project staff will be involved in fabricating a device for effective hydrogen absorption/desorption and sensing. Exposure in Electrodeposition, Microscopy (SEM, TEM), XRD and other characterization techniques will be an added advantage.

**Salary:** Consolidated salary Rs.25000/- p.m. + HRA

**Duration of appointment:** 1 Year

**Last Date of receipt of the application is 10.10.2016**

Candidate should apply in the prescribed Application Form available at [http://www.ircc.iitb.ac.in/IRCC-Webpage/PDF/Application_online.pdf](http://www.ircc.iitb.ac.in/IRCC-Webpage/PDF/Application_online.pdf) mentioning Advertisement No.

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**Assistant Registrar (R&D)**

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**Indian Institute of Technology Bombay**

**Powai, Mumbai 400 076**

**Advt. No. B-35/P(12)/16-17**

**Want to contribute to cutting edge research?**

**Development of Structural Finite Element Computational Package for Design of IPWR (BOARD OF RESEARCH IN NUCLEAR SCIENCES)**

**Junior Research Fellow (2 Posts)**

**Eligibility:** B.Tech./B.E. with good Structural Engg. grades with Structural Mechanics/Matrix Method / Finite Element Method, numerical methods background. Knowledge of various FE software.

Commitment for 3 years for M.Tech.

**Salary:** Consolidated salary Rs.25000/- p.m. + HRA

**Duration of appointment:** 1 Year

**Last Date of receipt of the application is 10.10.2016**

Candidate should apply in the prescribed Application Form available at [http://www.ircc.iitb.ac.in/IRCC-Webpage/PDF/Application_online.pdf](http://www.ircc.iitb.ac.in/IRCC-Webpage/PDF/Application_online.pdf) mentioning Advertisement No.

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**Assistant Registrar (R&D)**

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**Indian Institute of Technology Bombay**

**Powai, Mumbai 400 076**

**Advt. No. B-36/P(13)/16-17**

**Want to contribute to cutting edge research?**

**Modeling of Reactive Transport in Groundwater Using Meshfree Based Numerical Models (BOARD OF RESEARCH IN NUCLEAR SCIENCES)**

**Senior Research Fellow (1 Post)**

**Eligibility:** M.Tech. in Water Resources Engg./ related areas (with B.Tech in Civil/ Agricultural Engg.).

**Skills:** Modeling/ software programming skills relevant to application of numerical methods to groundwater modeling. Commit for 3-4 years for PhD.

**Job Profile:** Development of models for Reactive Transport in Groundwater Using Meshfree Based Numerical Methods.

**Salary:** Consolidated salary Rs.28000/- p.m. + HRA

**Last Date of receipt of the application is 10.10.2016**

Candidate should apply in the prescribed Application Form available at [http://www.ircc.iitb.ac.in/IRCC-Webpage/PDF/Application_online.pdf](http://www.ircc.iitb.ac.in/IRCC-Webpage/PDF/Application_online.pdf) mentioning Advertisement No.

Please send the application to the Asst. Registrar (Admin), Dean R & D Office, IRCC Wing, SJMSOM Building, Indian Institute of Technology Bombay, Powai, Mumbai-400076.

**Assistant Registrar (R&D)**