Government of India
Bhabha Atomic Research Centre
Mumbai 400 085

Advertisement No: **BARC/RPAD/PRF/ ML-23 /09**

January 19, 2009

Applications are invited from candidates for the post of Junior Research Fellow to work on the following research projects funded by the Board of Research in Nuclear Sciences (BRNS):

Research Project-1: Development of direct progeny sensing dosimeters for Radon/thoron inhalation dosimetry in indoor and occupational environment (**1 post**)
General research area: Environmental physics, Radiation detection, Radon/Thoron studies
Qualification for JRF: M.Sc. (Physics) with I class
Fellowship: Rs. 12,000/- p.m. for 1st and 2nd year +HRA admissible
Duration of project: 3 years

Research Project-2: Behaviour of plasma torch aerosols under steam environment in nuclear aerosol test facility. (**1 post**)
General research area: Aerosol physics
Qualification for JRF: M.Sc. (Physics)/ B.E. in chemical engineering/Environmental engineering with I class
Fellowship: Rs. 12,000/- p.m. for 1st and 2nd year +HRA admissible
Duration of project: 3 years

Research Project-3: Development of deterministic source of single atoms for quantum engineering of microscopic systems (**2 posts**)
General research area: Laser cooling of atoms, Quantum optics, Precision spectroscopy
Qualification for JRF: M.Sc. (Physics) with I class
Fellowship: Rs. 12,000/- p.m. for 1st and 2nd year +HRA admissible
Duration of project: 4 years

Interested candidates may please apply on plain paper along with complete bio-data, photocopies of mark-sheets, degree certificates (from HSC to M.Sc./B.E) and other academic credentials. The applications may reach the following addresses on or before **February 15, 2009**.

Research Project 1 & 2
Dr. Y. S. Mayya
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Email: mayyays@barc.gov.in

Research Project 3
Dr. B. N. Jagatap
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