



## Central Glass and Ceramic Research Institute

196, Raja S.C. Mullick Road, Kolkata 700 032

Notification No. 9/GC-(R&C)/BRNS/DAE/2002

Date: 18-12-2002

Applications are invited from bonafide Indian citizens for the post of a Sr. Research Fellow for working in an externally funded sponsored Project of DAE/BRNS entitled '**Development of ceramic humidity sensor for the application of the leak-before-break concept in nuclear industry**' tenable at Central Glass and Ceramic Research Institute (CGCRI), Kolkata 700 032. The details are as follows:

*Senior Research Fellow* : 1 Post

*Stipend* : Rs 5600/- per month for first two years and  
Rs 6000/- for third year

*Duration of the Project* : 3 years

*Qualification* : M.Sc. (Physics/Chemistry)/B.E./B.Tech. in  
Chemical/Ceramics/Electronics Engg. With two years  
experience or M.E./M.Tech. in Ceramics/Chemical/  
Electronics Engg.

*Age* : The upper age limit is 32 years.

*Objective:* The objective of the work is to develop ceramic moisture sensor with adequate sensitivity over the entire temperature range of 25°C to 300°C for detecting and locating the smallest leaks early by impedance measurement. Both static signal behaviour and transient repose to DC and AC will be used for humidity detection of both leak rate and leak position. This is based on the premise that detectable leak will be developed before a catastrophic break occurs in nuclear reactor/power generator.

It is not an offer of appointment in CSIR either temporary or otherwise. It is a contractual engagement on purely temporary basis for the Project/Scheme funded by the above sponsor. It would, therefore, not confer any right/claim implicit or explicit for your consideration for regularization/absorption against any CSIR post. In any case engagement in the above sponsored project/scheme shall be co-terminus with the project/scheme.

Applications on plain paper giving complete bio data (name, father's name, date of birth, permanent and present address for correspondence, educational qualifications, experiences, names and addresses of two referees, etc. duly supported by copies of certificates, testimonials, etc.) should reach the Administrative Officer, Central Glass and Ceramic Research Institute, Jadavpur, Kolkata 700 032 within 15 days from the date of issue of this Notification.