



Indian Institute of Technology Jodhpur

Office of Research and Development

Advt. No.: IITJ/R&D/2018-19/13

16 August 2018

Project Recruitment

Applications are invited from the citizen of India for filling up the following temporary position in the sponsored project at this Institute. The position is purely temporary, initially for a period of 01 Year, and extendable but co-terminus with the duration of the project, on contractual basis with consolidated pay. The requisite qualification, experience and others details are given below:

1.	Project No.	S/SERB/MS/ 20170034
2.	Project Title	Megnetars with superfluid core
3.	Name of the Project Investigator	Dr. Monika Sinha
4.	Duration	01 Year
5.	Name of the Post	Junior Research Fellow
6.	Post(s)	01
7.	Consolidate Pay	Rs. 25,000/-+HRA
8.	Qualification and Experience	<u>Eligibility:</u> M. Sc. In Physics with 1 st Class or equivalent and qualified in GATE/NET/JAM. <u>Desirable Qualification:</u> Knowledge and experience in astrophysics.
9.	Brief Description of Project	The proposed research work is a theoretical study of strong magnetic field effect on interior configuration, structure for magnetars. The presence of strong magnetic field in neutron star determines the existence of superfluid matter inside the neutron star. The aim is to study the impact of presence (absence) of superfluid components on neutron star interior dynamics as well as many microscopic process which might manifest in cooling, (anti-)glitch, postglitch relaxation, precession of neutron stars. Consequently, the broad objective is to find the implications of quenched superconducting phase inside the magnetized neutron stars on its dynamical properties and their consequences on the observed magnetar properties.

10	Upper Age Limit	Below 28 Years
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The candidates possessing the requisite qualification and experience should apply through **ONLINE** process up to **24 October 2018**. After the submission of the online application, applicant are required to take the printout of the application and send the application along with all self-attested relevant supporting documents by post to the Institute at the address given below:

Officer In-charge
Office of Research & Development,
IIT Jodhpur,
NH 65, Nagaur Road, Karwad
Jodhpur - 342037, Rajasthan

The envelope should be super scribed with "Advertisement No..... and Application for the Post of"

The application must reach the Institute on or before to **31 October 2018**. Application received after the due date shall not be considered.

General Instructions to Applicant(s)

1.	The post(s) is purely temporary and contractual for a period of 01 Year, and extension based on satisfactory performance, but co-terminus with the duration of the project
2.	Application which is incomplete, not in prescribed format, without photograph or unsigned will be summarily rejected.
3.	Certificate in support of experience should be in proper format i.e. it should be on the organizations letter head, bear the date of issue, specific period of work, name and designation of the issuing authority along with his signature.
4.	The Institute reserves the right to: (a) conduct written/trade tests for such posts wherever if the circumstances so warrant (b) not filling any of the advertised positions (c) fill consequential vacancies arising at the time of interview from available candidates. The number of positions is thus open to change.
5.	The Institute shall verify the antecedents or documents submitted by a candidate at the time of appointment or during the tenure of the service. In case, it is detected that the documents submitted by the candidates are fake or the candidate has a clandestine antecedents/background and has suppressed the said information, then his/her services shall be terminated.
6.	No TA/DA shall be paid to the candidates for attending the interview.
7.	No correspondence will be entertained from candidates regarding interview and reasons for not being called for interview.
8.	Canvassing in any form will be a disqualification.
9.	No interim correspondence will be entertained.
10.	Postal delay will not be entertained.

Officer In-charge
Research & Development