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भारतीय ताराभौतिकी संस्थान INDIAN INSTITUTE OF ASTROPHYSICS
(विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार)
(Department of Science & Technology, Government of India)
कोरमंगला Koramangala, बेंगलूर BANGALORE -560034

Advt. No. IIA/ 06/2013 dated 10.06.2013

The Indian Institute of Astrophysics (IIA) is a premier National Institute in the country dedicated to research in Astronomy, Astrophysics, Allied Sciences & Technology. The Institute has field stations at Kavalur and Kodaikanal in Tamilnadu, Guaribidanur & Hosakote in Karnataka, and Leh & Hanle in J&K.

India has joined the Thirty Meter Telescope (TMT) project, the next generation astronomical observatory that will be located on Mauna Kea, Hawaii. India's participation in the above project is led by the Indian Institute of Astrophysics (IIA), Bangalore, Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune, and Aryabhata Research Institute for Observational Sciences (ARIES), Nainital.

The Thirty Meter Telescope (TMT) is an advanced, wide field (20 arcmin), altitude-azimuth telescope with a primary mirror consisting of 492, 1.44-meter segments. At first light, multiple instruments will be available for observations, such as a near-infrared instrument with parallel imaging and integral field-spectroscopy support (IRIS), and an imaging, multi-slit near-infrared instrument (IRMS) with adaptive optics. A seeing limited, wide-field, multi-object optical imaging spectrograph (MOBIE) will also be available at first light. The telescope and facilities are currently in the advanced design phase. The TMT project is an international partnership between CalTech, Universities of California, Canada, Japan, China and India. More details about the project may be obtained from <http://tmt.iap.res.in> .

Applications are invited from eligible candidates for the following position to work in the TMT – India Project :

Name of the position : **POST DOCTORAL FELLOW**

No. of position : **One**

Qualification : Ph.D in Physics/Astronomy with a uniformly good academic background, with at least 60% aggregate marks at M.Sc level. The candidate should have interest to work in instrument design and a good knowledge in electromagnetic theory and optics. Familiarity with carrying out analytical calculations and numerical computations is desirable.

Age : Below 36 years.

- Stipend** : Rs.22,000/- + admissible HRA
- Place of work** : The position is primarily at IIA, Bangalore, but may require extended visits to the other TMT-India principal Institutes, IUCAA, Pune and ARIES, Nainital.
- Scope of work** : (a) Analytical calculations related to telescope and instrument optics, (b) numerical simulations related to specific science cases, (c) interaction with the international TMT teams.
- Tenure** : Initially for a period of one year and extendable for one more year based on satisfactory performance in the 1st year.

Terms & Conditions :

- 1) The appointment is purely on temporary basis and does not entitle any privileges or benefits of regular employment.
- 2) The date for determining the upper age limit, qualifications and experience shall be the closing date prescribed for receipt of completed applications.
- 3) Age relaxation is permissible to SC, ST & OBC candidates and also to physically handicapped candidates as notified by Govt. of India from time to time.
- 4) Outstation candidates called for interview will be reimbursed to and fro train / bus fare by the shortest route limited to second sleeper class railway fare on production of tickets.
- 5) The prescribed educational qualifications are minimum required and mere possession of the same does not entitle candidates to be called for interview. Where the number of applications received in response to the advertisement is large and it will not be convenient or possible for the Institute to interview all those candidates, the Institute has the right to limit the candidates to be called for interview on the basis of qualifications and experience higher than the minimum prescribed in the advertisement.
- 6) The Institute reserves the right to cancel the entire recruitment process at any time without assigning any reasons whatsoever.
- 7) No correspondence will be entertained with the candidates not selected for interview / appointment. Canvassing in any form will be a disqualification.
- 8) Candidates meeting the above requirements may submit their curriculum vitae / biodata with a passport size photograph pasted on the top of right hand corner together with copies of certificates superscribing "APPLICATION FOR THE POST OF POST DOCTORAL FELLOW" on the envelope to the **Administrative officer, Indian Institute of Astrophysics, Sarjapur Road, 2nd Block, Koramangala, Bangalore – 560 034.**
- 9) **The last date for receipt of application is 01.07.2013.**

Administrative Officer