



**INDIAN INSTITUTE OF ASTROPHYSICS**  
**DEPARTMENT OF SCIENCE & TECHNOLOGY - GOVT. OF INDIA**  
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**Advt. No. IIA/09/2014/03 dated 07.07.2014**

The Indian Institute of Astrophysics (IIA) is an autonomous academic national institution of the Department of Science & Technology, Govt. of India dedicated to research in Astronomy, Astrophysics and Allied Sciences & Technology. The Institute has its main campus in Koramangala, Bangalore and CREST Campus at Hosakote, Bangalore. It operates field stations at Kavalur & Kodaikanal in Tamilnadu, Gauribidanur in Karnataka, and Leh/Hanle in Jammu & Kashmir.

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 TMT project, 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 is coordinated by the India TMT coordination center (ITCC) hosted at IIA, Bangalore. 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.iiap.res.in>

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. As part of India's contribution to the TMT, ITCC in consultation with the TMT Board, intends to deliver a portion of polished M1 segments, edge sensors, actuators, segment support assemblies and softwares. IIA proposes to set up a polishing facility within one of IIA's campuses for this purpose. India is also participating in the design and development of first light instruments.

Online 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 degree in Physics/Astrophysics with a good academic background, with at least 60% aggregate marks at M.Sc level. Experience in Astronomical observations and data analysis are essential. Working with large telescope instruments and building of instruments is desirable.

**Age limit** : 36 years.

**Fellowship** : Rs. 30,000/- per month + 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** : Selected candidate will be associated with the science and instrument related activities of India TMT project, in particular with works related to TMT first light instruments. Study of expected performance of various instrument guider and wavefront sensors, and carry out data simulations for science cases of instruments of low resolution spectroscopy and imaging.

**Terms & Conditions :**

- 1) The appointment is purely on temporary/contract basis and does not entitle any privileges or benefits of regular employment.
- 2) The tenure of appointment is initially for a period of one year and extendable for two more years subject to satisfactory performance of the candidate and requirement of the Institute.
- 3) The date for determining the upper age limit, qualifications and experience shall be the closing date prescribed for receipt of completed applications.
- 4) 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.
- 5) Outstation candidates called for interview will be reimbursed to and from train / bus fare by the shortest route limited to second sleeper class railway fare on production of tickets.
- 6) 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.
- 7) The Institute reserves the right to cancel the entire recruitment process at any time without assigning any reasons whatsoever.
- 8) No correspondence will be entertained with the candidates not selected for interview / appointment. Canvassing in any form will be a disqualification.

- 9) Candidates meeting the above requirements and willing to apply for the position may submit application **through online only**.
- 9) **The last date for receipt of application is 08.08.2014.**

Administrative Officer