



दूरभाष Ph : 91-80-25530672-76
फैक्स Fax : 91-80-25534043

भारतीय ताराभौतिकी संस्थान INDIAN INSTITUTE OF ASTROPHYSICS

(विज्ञान व प्रौद्योगिकी विभाग, भारत सरकार के अधीन स्वायत्त संस्थान)

(An Autonomous Body Under Department of Science & Technology, Government of India)

कोरमंगला Koramangala, बेंगलूर BANGALORE -560034

Advt. No. IIA/19/2018 dated 14.12.2018

The Indian Institute of Astrophysics (IIA) is an autonomous academic national Institution under 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, Bengaluru and CREST campus at Hosakote, Bengaluru. It operates field stations at Kavalur&Kodaikanal in Tamil Nadu, Gauribidanur in Karnataka, and Leh/Hanle, Ladakh 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, Bengaluru, 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 Centre (ITCC) hosted at IIA, Bengaluru. The TMT project is an international partnership between California Institute of Technology (Caltech), Universities of California, Canada, Japan, China and India. More details about the project can be found at <http://tmt.iia.res.in>.

The Thirty Meter Telescope (TMT) will be the world's most advanced ground-based observatory that will operate in optical and mid-infrared wavelengths. It will be equipped with the latest innovations in precision control, phased array of mirror segments and laser guide star assisted adaptive optics system. At the heart of the telescope is the segmented mirror, made up of 492 individual hexagonal segments, each 1.44-m in size. Precisely aligned, these segments will work as a single reflective surface of 30-m diameter. India is responsible for providing various critical hardware components and software to the telescope as part of in-kind contribution. Manufacturing of the sub-systems by Indian industry are at various stages.

Online applications are invited from young, bright, and highly motivated individuals for the following position to work at the India TMT Co-Ordination Centre.

Name of the Position	:	Project Engineer –I (Optics)
No. of position	:	One
Remuneration	:	Rs.50,000/-per month (Consolidated)
Age limit	:	32 years
Place of posting	:	Bengaluru

Educational Qualification: Full time post graduate degree in M.E/M.Tech in Optics/ Applied Optics/ Optical Physics/Optical Engineering with a minimum of 60% marks in the aggregate or equivalent grade from a reputed and recognized University/Institution. Candidates with higher qualification in relevant field and experience will also be considered.

Work Experience: Experience in designing optical systems and using software such as ZEMAX/Code-V is desirable.

Job Description: Selected candidate will be a member of India-TMT Science and Instrumentation team. The team is currently pursuing development of Wide field Optical Spectrometer (WFOS) and a High Resolution Optical Spectrograph (HROS) for TMT. These instruments are main workhorse instruments at the first light and few years after the first light at the observatory. It will be designed and built across the TMT partnership.

The main responsibility of the candidate involves optical design of these instruments and its subsystems. Optical performances, simulation and detail end-to-end analysis of the design is required.. Documentation of the design details and analysis, in the form of reports is essential. Project requires detailed reports and presentation during regular reviews. Candidate is expected to attend regular team meetings and present updates. Building instruments for large telescopes like TMT is complex, unique and challenging. The candidate will have a steep learning curve and expected to work in team. Hence, good communication skills are expected. A positive performance in this role will lead to increased responsibilities and an opportunity to grow within the project. Job may require travel to the partner countries or institutions with in the country and outstation.

Terms & Conditions:

1. The appointment is purely temporary on contract basis and does not confer any privilege or benefit applicable to regular employment. No claim whatsoever for regular employment in the Institute shall be entertained.
2. The tenure of appointment is initially for one year, may continue till the duration of the project and will co-terminus with the project completion. Continuation of contract of appointment is subject to satisfactory performance of the candidate and requirement of the project as assessed by the Institute on annual basis.
3. The remuneration indicated is a consolidated and is inclusive of all allowances.
4. There will be annual increase in the remuneration based on satisfactory performance.
5. The date of determining the upper age limit, qualifications and experience shall be the closing date prescribed for receipt of completed applications.
6. Age relaxation is permissible to SC, ST & OBC candidates and also to physically handicapped candidate as notified by Government of India from time to time.
7. The candidates selected will be posted to work in ITCC/IIA, Bengaluru and are liable to be posted anywhere in India as per the requirement of the Project.
8. 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.

9. 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 reserves the right to limit number of candidates to be called for interview on the basis of qualifications and experience higher than the minimum prescribed in the advertisement.
10. Candidates of Indian Nationality only can apply for this post.
11. The Institute reserves the right to cancel the entire recruitment process at any time without assigning any reasons whatsoever.
12. No correspondence will be entertained with the candidates not selected for interview/appointment. Canvassing in any form will be a disqualification.
13. Candidates meeting the above requirements and willing to be considered for the above said position may submit application through online only.
14. Misrepresentation or falsification of facts detected at any stage of the selection process or instances of misconduct/misbehavior at any stage during selection process shall result in cancellation of candidature without any notice and no correspondence in this regard shall be entertained.
15. The last date for receipt of application is **13.01.2019**.
16. Important dates to remember
 - a. **Opening date for on-line registration: 14.12.2018.**
 - b. **Closing date for on-line registration: 13.01.2019.**
17. For registration, please visit: https://www.iiap.res.in/iiap_jobs/

Administrative Officer