



दूरभाष Ph : 91-80-25530672-76

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, बेंगलूरु BENGALURU -560034

Advt.No.IIA/13/2021 dated 15.09.2021

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, Bangalore and CREST Campus at Hosakote, Bangalore. It operates field stations at Kavalur & Kodaikanal in Tamilnadu, Gauribidanur in Karnataka, and Leh/Hanle in Union Territory of Ladakh.

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.iiap.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 dynamic and highly motivated individuals for the following position to work at the India TMT Co-Ordination Centre:

Name of the position	:	PROJECT ENGINEER-II (Optics)
No. of position	:	One
Age limit	:	35 years
Remuneration	:	Rs. 80,000/- per month (Consolidated)
Place of Posting	:	Bengaluru

Educational Qualification & Experience :

Full-time post graduate degree in M.Sc (Tech-Optics/Applied Optics), M.Tech (Optical Engineering), M.Sc (Optics/Applied Optics) with minimum 4 year of experience* and 60% marks in the aggregate or equivalent grade from a reputed and recognized University/Institution under UGC or Central or State Governments.

***Field of experience:**

- a) **Essential:** Experience in the field of optics metrology, optical instrumentation, programming knowledge in MATLAB/python, good in documentation and good communication skills.
- b) **Desirable:** QA/QC in optics production, designing optical systems using software such as ZEMAX/Code-V is required.

Nature of Job :

The selected candidate will be a member of India-TMT M1 Segments Polishing Group, and will participate in the activities of the group that include production of India's share of TMT M1 segments. The segments will be polished using the SMP technology at IIA's TMT Optics Polishing Facility that is proposed to be set up at the CREST campus in Hosakote, (a) Optical metrology of the polished segments, (b) development of the methodology for hex cutting the M1 roundels after polishing and (c) integration of the polished segments with the respective segments support assembly.

A positive performance in this role will lead to increase responsibilities and an opportunity to grow within the project. Job may require frequent travels within the city and outstation.

Terms & Conditions :

- 1) The appointment is purely temporary on contract basis and does not entitle any privileges or benefits of regular employment. No claim whatsoever for regular employment in the Institute shall be entertained.
- 2) The tenure of appointment is initially for a period of one year and may last till the duration of project and will co-terminus with project completion. Continuation of contract appointment is subject to (a) requirements of the project and (b) satisfactory performance of the candidate assessed annually.
- 3) The date of determining the upper age limit, qualifications and experience shall be the closing date prescribed for receipt of completed applications.
- 4) The remuneration indicated is a consolidated and is inclusive of all allowances.

- 5) There will be annual increase in the remuneration based on satisfactory performance.
- 6) It is open to the Institute to conduct written test to shortlist the candidates for interview in case the attendance of candidates is more.
- 7) 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.
- 8) 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.
- 9) Institute reserves the right to cancel the entire recruitment process at any time without assigning any reasons whatsoever.
- 10) No correspondence will be entertained with the candidates not selected for interview / appointment. Canvassing in any form will be a disqualification.
- 11) Candidates of Indian Nationality only can apply for this position.
- 12) 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 and also conducting written test.
- 13) The Institute reserves the right to cancel the entire recruitment process at any time without assigning any reasons whatsoever.
- 14) No correspondence will be entertained with the candidates not selected for interview/appointment. Canvassing in any form will be a disqualification.
- 15) **Candidates meeting the above requirements and willing to be considered for the above said position may submit application through online only.** Candidates are required to upload their scanned Curriculum Vitae (CV), Date of Birth Proof, Educational Qualification, Experience and Community Certificates in the online application.
- 16) 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.
- 17) **The last date for receipt of online application is thirty days from the date of publishing in IIA website.**
- 18) For registration, please visit: https://www.iiap.res.in/iiap_jobs/