



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/21/2022 dated 19.09.2022

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.

IIA is partner in many international projects focused on developing next generation telescopes and instruments for observational astronomy. Notably, India has joined a Thirty Meter Telescope (TMT) Project, which is an international consortium of California Institute of Technology (CalTech), Universities of California, Canada, Japan, China. The India TMT Coordination Centre (ITCC) is hosted at IIA, Bengaluru with participating institutes which include Inter University Centre for Astronomy and Astrophysics (IUCAA), Pune and Aryabhata Research Institute for Observational Sciences (ARIES), Nainital. India is responsible for providing various critical components and software to the telescope as part of in-kind contribution which includes, part of the Primary Mirror Segments, Segment Support Assembly (SSA), M1 and M2/M3 Coating chambers, Edge Sensors, Actuators, SCC components, Telescope Control System, Observatory Software, Science Instruments, etc. Manufacturing of the sub-systems by Indian industry are at various stages.

Further, IIA is also collaborating with University of California Santa Cruz (UCSC) and University of California Observatories (UCO) to build a state-of-the-art instrument for the 10m Keck telescope called SCALES: Slicer Combined with Array of Lenslets for Exoplanet Spectroscopy. IIA will develop various subsystem for SCALES and also participate in the assembly, integration, and testing.

Online applications are invited from eligible, bright and motivated individuals for the following position to work at India-TMT Co-Ordination Centre, Bengaluru :

Name of the position	:	PROJECT ENGINEER-II (Mechanical)
No. of position	:	One
Age limit	:	35 years
Remuneration	:	Rs. 94,500/- per month (Consolidated)
Place of Posting	:	Bengaluru

Educational Qualification: B.E/B.Tech in Mechanical Engineering from University/Institution recognized by UGC/AICTE with minimum of 60% marks or equivalent grade.

Duration: This position is for one year and further continuation would depend on the candidate's satisfactory performance in yearly assessments. Over and above, the appointment is subject to the project funding and co-terminus with the project.

Experience: Minimum five years of relevant experience after graduation in an industry/public sector/government establishment. Area of experience include designing of large precision mechanical/opto-mechanical/electro-mechanical systems and drive mechanisms. Proficient in solid works, ability to create and interpret engineering drawings. Good oral and written communication skills in English. Proficient in Microsoft Office Suit. Candidate must be a self-starter with a constructive attitude.

Desirable: Hands on experience in ANSYS or any mechanical design analysis software. Experience in designing astronomical instruments, telescopes or large opto-mechanical systems. Knowledge of project management software like M.S Project. Basic understanding of electromechanical drive assemblies and control systems.

Job Description: The selected candidate will be a member of the ITCC Science and Instruments team involved in the design and development of various mechanical subsystems of wide-field optical spectrograph (WFOS), M1 and M2/M3 Coating chambers, high-resolution optical spectrograph (HROS) of TMT, and the SCALES instrument for the Keck.

Responsibilities Include: Understanding the opto-mechanical requirements of the subsystems. Designing of critical mechanical subsystems. Keeping track of the integrated Project Schedules. Should be able to train, guide, lead and supervise the mechanical team. Participate and conduct discussion meetings and technical reviews of the work and ensure that there is proper documentation. Preparation of Project related documents like Statement of Work (SoW), Design documents, Work Packages, RFQ's etc. Coordinating with Indian industries in the design and fabrication work on a regular basis. Develop and maintain working standards based on best practices. Respond to issues related to design, development, quality, conformity and provide appropriate solutions and actions. Job may require frequent travels to vendor sites across India and abroad.

Terms & Conditions :

1. The appointment is purely on contract basis and does not confer any privilege or benefit applicable to regular employees. No claim whatsoever for regular employment in the Institute shall be entertained.
2. The tenure of appointment is initially for one year, may last till the duration of project and will co-terminate with the project completion. Continuation of contract appointment is subject to satisfactory performance of the candidate on a yearly review by a committee, appointed by the Programme Director/Director.
3. The remuneration indicated is a consolidated and is inclusive of all allowances.

4. There will be annual increase 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 India TMT Coordination Centre (ITCC)/IIA, Bengaluru and are liable to be posted anywhere in India as per the requirement of the Project.
8. Interview can be online or in person. Outstation candidates called for interview in person 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.** Candidates are required to upload their scanned Curriculum Vitae (CV), Date of Birth Proof, Educational Qualification, Experience and Community Certificates in the online application.
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 online application is 21.10.2022 at 17:30 hours.**
16. For registration, please visit: https://www.iiap.res.in/iiia_jobs/