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/08/2020 dated 3rd December, 2020

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 (IIAP), Bengaluru; Inter University Centre for Astronomy and Astrophysics (IUCAA), Pune and Aryabhatta 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 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) 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 diameter. 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.

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

Name of the Position	:	**PROJECT ENGINEER-II (MECHANICAL)**
Remuneration	:	Rs. 80000/- per month (Consolidated)
No. of position	:	One
Place of posting	:	Bengaluru
Age Limit	:	35 years
Qualification	:	B.E/B.Tech in Mechanical with at least 60% marks in the aggregate from a recognized University/ Institution.

Experience:

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

Desirable: Experience in ANSYS or any mechanical design analysis softwares. Experience designing astronomical instruments, telescopes or large opto-mechanical systems is desirable. 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) and high-resolution optical spectrograph (HROS) of TMT. Responsibilities include: Understanding the opto-mechanical requirements of the subsystems. Designing of critical mechanical subsystems. Keeping track of the integrated Project Schedule. Should be able to train, guide, lead and supervise the mechanical team. Conduct Technical review 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. A positive performance in this role will lead to increased responsibilities and an opportunity to grow within the Project. Job may require frequent travels to vendor sites across India and abroad.

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 and also conducting written test.

10. Candidates of Indian Nationality only can apply for this position.

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 **30 days from the date of Advertisement published in Employment News paper**.

16. For registration, please visit: **https://www.iiap.res.in/iia_jobs/**

प्रशासनिक अधिकारी Administrative Officer