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**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

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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:

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**Name of the position** : **CONSULTANT – PRINCIPAL ENGINEER**  
**No. of position** : One  
**Place of Posting** : Bengaluru

## **Job Summary:**

Consultant will have a key role to ensure M1CS production in India and deliver to the project as per specifications, quality and schedule. This requires monitoring of production at different industries in the country and leading young engineers at India TMT for successful delivery of all the systems. Consultant engineer will be a member of India TMT hardware team. The successful applicant will be proactive, have a positive attitude to work with youngsters and lead the team with an innovative approach to meet the project goals. Primary responsibilities include the following:

- Oversee and monitor the technical and programmatic progress of the M1CS production work packages and contracts in terms of performance, schedule, cost, risk, and earned value.
- Work with the TMT PO, and industry in the country to ensure the successful delivery of the systems.
- Develop and implement work packages for the fabrication including statements of work, budgets, and schedules.
- Identify suitable industries for M1CS hardware
- Participate in the India TMT vendor selection committees
- Responsible for ensuring that the M1CS production documentation packages, including assembly, inspection, and test procedures are correct and complete, up to date, and properly controlled.
- Work with TMT PO QC/QA staff, and the suppliers in the country to ensure that the required quality control and assurance processes are in place and are being followed.
- Work with the M1CS design contractors and TMT PO QC/QA staff to develop tooling and jigs, in-process inspection requirements and processes, as well as final acceptance test procedures.
- Review of non-conformance reports (NCRs), explore remedial solutions in consultation with industry partners, and participate in the TMT PO Material Review Board as necessary.
- Participating in all the hardware related meetings between India TMT and the TMT project Office on regular basis
- Represent the India TMT for the purpose of final acceptance of the M1CS and their respective end item documentation packages.

## **Educational Qualification & Experience:**

- 1) A bachelor's degree in mechanical engineering with minimum of 15 years of experience in the relevant field. The applicant should have played a leadership role in reputed public/private engineering entities in the country. Knowledge of quality control and quality assurance techniques, quality standards, working knowledge of design through manufacturing and test processes and experience in managing manufacturing projects are essential. The applicant should have a broad multi-disciplinary engineering background.
- 2) Ability to understand and handle the procurement process as per Central Government rules and regulations is desirable.

## **Eligibility & Remuneration**

The following categories of candidates meeting the above criteria are eligible to apply:

- a) Retired from Central Government/Central Autonomous Institutions in the pay matrix level 13 or above within the last two years. Remuneration not exceeding the Last Pay Drawn minus Basic pension plus Transport Allowance will be paid. **The age limit is not more than 62 years as on the last date of receipt of application.**
- b) For Professionals working/worked in private organizations a consolidated remuneration of Rs.75,000/- per month (all inclusive) will be paid to the candidates in this category. **The age limit is not more than 62 years as on the last date of receipt of application.**

## **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 appointment of Consultant would be on full time basis purely on contract basis and he/she will not be permitted to take up any other assignment during the period of consultancy with IIA.
3. The consultant shall not indulge in or disclose to any person any details of office, operational process, technical know-how, security arrangements and administrative/organizational matters which is of confidential/secret in nature in any manner whatsoever including by means of reproduction either in physical, hardcopy, digital or in electronic format.
4. The consultant shall abide by data security policy and related guidelines issued by IIA.
5. The tenure of appointment is initially for one year. Continuation of contract appointment as per consultant norms and is subject to (a) requirements of the Project, and (b) satisfactory performance of the candidate.

6. The remuneration indicated is consolidated and is inclusive of all allowances.
7. The date of determining the upper age limit, qualifications and experience shall be the closing date prescribed for receipt of completed applications.
8. The Consultant shall not be entitled to any allowance such as Dearness Allowance, Residential Telephone, Transport Facility, Residential Accommodation, Personal Staff, Medical facility, etc.
9. Consultant shall be eligible for 08 days leave in a calendar year on pro-rata basis. Therefore, consultant shall not draw any remuneration in case of his/her absence beyond 8 days in a year (calculated on a pro-rata basis). Also un-availed leave in a calendar year cannot be carried forward to next calendar year.
10. IIA reserves the right to terminate the services of Consultant in case of absence by more than 15 days beyond the entitled leave in a calendar year without compelling reasons.
11. No TA/DA shall be admissible for joining the assignment or on its completion. TA/DA will be paid as per norms for travel on official deputation during the period of appointment.
12. The Consultant shall not claim any benefit/compensation/absorption/regularization of service with this institute.
13. The Consultant may be called on Saturday, Sunday and other gazette holidays, if required. The Consultant would, however, be eligible for compensatory leave.
14. 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.
15. 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.
16. 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.

17. Candidates of Indian Nationality only can apply for this post.
18. The Institute reserves the right to cancel the entire recruitment process at any time without assigning any reasons whatsoever.
19. No correspondence will be entertained with the candidates not selected for interview/appointment. Canvassing in any form will be a disqualification.
20. **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.
21. 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.
22. **The last date for receipt of online application is 22.02.2022 upto 17:30 hours.**
23. For registration, please visit: [https://www.iiap.res.in/iaa\\_jobs/](https://www.iiap.res.in/iaa_jobs/)

प्रशासनिक अधिकारी **Administrative Officer**