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भारतीय ताराभौतिकी संस्थान INDIAN INSTITUTE OF ASTROPHYSICS

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

कोरमंगला Koramangala, बेंगलूर BANGALORE -560034

Advt. No. IIA/04/2015 dated 16th April, 2015

The Indian Institute of Astrophysics (IIA) is an autonomous academic national institution of the 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 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), Bangalore, 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 center (ITCC) hosted at IIA, Bangalore. 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.iap.res.in>

The Thirty Meter Telescope (TMT) is an advanced, wide field (20 arc min), altitude-azimuth telescope with a primary mirror consisting of 492, 1.44-meter segments. As part of India's contribution to the TMT, ITCC in consultation with the TMT Board, intends to deliver a portion of polished M1 segments, edge sensors, actuators, segment support assemblies and software. IIA proposes to set up a polishing facility within one of IIA's campuses for this purpose. India is also participating in the design and development of first light instruments.

Online applications are invited from eligible candidates for the following position to work in the India-TMT Project:

Based on the aptitude for research/technical skills, as judged by the institute, the Project Scientist/Engineer position will be offered.

Name of the position : **Project Scientist/Engineer – II (Optics)**

No. of position : One

Qualification : M.Tech (Engg. Physics/Optics) or equivalent qualification with a minimum 60% aggregate marks (or equivalent grade) from a reputed, recognized university.

Experience : **(a) Essential:** Atleast 3 years experience in optics design and testing in reputed optics manufacturing firms/ laboratories.

(b)Desirable: Familiarity with industrial standards.

Age limit : 35 years

Remuneration : Rs. 40,000/- + HRA (per month)

Place of work : **Bangalore**

Primary Job description : 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 (a) 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; (b) development of metrology for the polished segments, (c) development of the methodology for hex cutting the M1 roundels after polishing, and (d) integration of the polished segments with the respective segment support assembly.

Terms & Conditions:

- 1) The appointment is purely on temporary/contract basis and does not entitle any privileges or benefits of regular employment, and no claim whatsoever for regular employment in the Institute shall be entertained.
- 2) The tenure of appointment is for a period of two years.
- 3) The date of determining the upper age limit, qualifications and experience shall be the closing date prescribed for receipt of completed applications.

- 4) 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.
- 5) 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.
- 6) 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 has the right to limit the candidates to be called for interview on the basis of qualifications and experience higher than the minimum prescribed in the advertisement.
- 7) The Institute reserves the right to cancel the entire recruitment process at any time without assigning any reasons whatsoever.
- 8) No correspondence will be entertained with the candidates not selected for interview / appointment. Canvassing in any form will be a disqualification.
- 9) Candidates meeting the above requirements and willing to apply for the position may submit application **through online only**.
- 10) **The last date for receipt of application is 18th May, 2015.**

Administrative Officer

