

Advertisement for Recruitment of
Director, Centre of Propulsion Technology (CoPT)

Advertisement No. D-29/P(09)18-19

Dated 19/09/2018

The search cum selection committee appointed by the Governing Council of the Centre of Propulsion Technology Centre (CoPT), is looking for a suitable person for the post of Director. CoPT is established by DRDO as a bi-nodal research center with IIT Bombay and IIT Madras as its primary nodes and with its programme office at IIT Bombay. The center is intended for carrying out advanced, focused research leading to deliverable of the following technologies:

1. Futuristic Aero Engines
2. Hypersonic Propulsion for long duration flight
3. Solid Propellant Combustion Modeling
4. Morphing Wing Aircraft Technology

Director CoPT will be appointed on a full-time basis for a fixed period of 3 years. The incumbent would be appointed as Professor at IIT Bombay, which would be co-terminus with CoPT Directorship. Director CoPT is the administrative and executive head of CoPT and would be responsible for the smooth function of CoPT.

Interested persons having the following qualifications can send their detailed CV to the undersigned. Persons working in full time positions with government organizations should also submit a no objection certificate from their parent organization.

Essential Qualification: Eminent Professors, Scientists or Engineers having research experience in one of the above-mentioned research verticals **especially in the aero engine research/ development**. The Director CoPT should also satisfy the norms in place for appointment of Professor at IIT Bombay. The minimum qualifications for the aspirants are follows:

- (i) **Qualifications:** Eminent Scientist/technologists/Professors in the above discipline with Ph.D. with first class or equivalent (in terms of Grades etc.) at the preceding degree and a good academic record throughout.
- (ii) **Experience:** A minimum of twenty years' teaching/research/professional experience out of which

at least 8 years should be at the level of Professor or equivalent in a research organization or industry or reputed academic institute on the date of application. The candidate should have demonstrated leadership in **aerospace propulsion system** or related systems in terms of research and technology development or guidance of Ph.D. students with strong record of publication in reputed journals and conferences, patents, laboratory/course development and/or other recognized relevant professional activities.

Desirable: The person should have a wide ranging experience and excellent track record for carrying out research, collaborative projects, setting up of large research facility, strategic research planning and technology transfer. The age of the applicant should be preferably below 62 years.

Duration: Full time position where the initial appointment would be for a fixed period of 3 years. This period can be extended by 2 more years subject to performance review and recommendation by Governing Council of CoPT. The position is a temporary project position in a sponsored project and will be governed by the approved rules of Industrial Research & Consultancy Centre (IRCC), IIT Bombay for the sponsored project positions.

Pay: The position carries a consolidated pay of Rs. 3,00,000/- per month (minus pension drawn, if any, in case of those who were in Indian Government Services). For Central Govt. employee (Retd. or working), the pay will be governed by CCS rules.

Roles and Responsibility of the Centre Director:

- i. The Director will be the administrative and financial executive head of the centre.
- ii. The Director will be governed by tri-partite Memorandum of Agreement (MoA) between the IITB, IITM and DRDO.
- iii. The Director of the centre will report to the Director of IIT Bombay and will be under the administrative control of the institute, but will be technically accountable to Research Advisory Board (RAB) and Governing Council (GC) of CoPT.
- iv. The Director of the centre will be member secretary of both RAB and GC and will plan and conduct GC, RAB and review meetings.
- v. He/She will spearhead the formulation of project proposals by facilitating interactions between faculty and DRDO stake holding scientists, monitor the progress of the projects as per the proposed milestones or as advised by RAB or GC.
- vi. The Director will prepare a rolling road map of the centre based on the activities and the progress of the projects being executed at the centre.

- vii. He/She will be authorized to hire manpower for regular operation of the centre following the institutes rules and process within the ambit of the MoA.
- viii. He/She will also hold periodical discussions with DRDO scientists and arrange technical meetings with different PIs to ensure that the technology or research deliverables are aligned properly and meet DRDO requirements.
- ix. He/She will create activity plan for execution, reviewing & monitoring of the projects and centre operation.
- x. He/She will arrange workshop on specified technology verticals involving international/ national experts, PIs, DRDO scientists for effective dissemination of research work and building a strong stake-holding from DRDO scientists.
- xi. He/She will appropriately engage with competent industries for realizing specific technologies to the expected maturity level and will be empowered to authorize administrative / technical / industrial job contracts as required for progressing activities as per the institute norms. The funds for technology/ prototype realization through industries will be made available from DRDO separately.
- xii. He/She will be authorized to hire visiting scientists and /or research fellows for specific programs with due approval of the Research Advisory Board and will be provided with the funds and other facilities as operation and running cost of the centre.
- xiii. He/She will raise request for release of funds as per plan, proposal for yearly budget requirements and manage the funds released to the institutes.

Last Date of application: The application giving brief bio-data and other details should reach the following office latest by 31st October 2018.

Office of
Dean (Research and Development)
Industrial Research and Consultancy Centre
IIT Bombay, Powai, Mumbai 400 076