ट्रांसलेशनल स्वास्थ्य विज्ञान एवं प्रौद्योगिकी संस्थान

TRANSLATIONAL HEALTH SCIENCE AND TECHNOLOGY INSTITUTE

(An Autonomous Institute of the Department of Biotechnology, Govt. of India)
NCR Biotech Science Cluster, 3rd Milestone, Faridabad – Gurugram Expressway, P.O. Box No. 04, Faridabad - 121001

RECRUITMENT NOTICE NO. : THS/RN/06/2020 **Dated : 7th January 2020**

RECRUITMENT FOR TECHNICAL POSITIONS

a) Translational Health Science and Technology Institute (THSTI) is an autonomous Institute of the Department of Biotechnology, Ministry of Science and Technology, Govt. of India. The institute is an integral part of the interdisciplinary NCR Biotech Science Cluster located at Faridabad, and is designed as a dynamic, interactive organization with the mission to conduct innovative translational research and to develop research collaborations across disciplines and professions to translate concepts into tangible products to improve human health.

b) THSTI has built several inter-institutional collaborations and connectivity with industry supported by well-trained teams of research and laboratory staff. This foundation has helped pursuit of thematic research programmes which can be broadly categorized as, (a) Infectious diseases and Immunology (b) Maternal and Child Health, (c) Non communicable disease d) Multidisciplinary clinical and translational research. These will be strengthened by four core facilities viz. Small Animal Facility, Data Management Center, Biorepository and Bioassay Laboratory that will serve not only the research programmes of THSTI, but also the National Capital Region Biotech Science Cluster and other academic and industrial partners.

c) This recruitment is to fill up the vacancies under the project entitled **"Epidemic preparedness through rapid vaccine development: support of Indian vaccine development aligned with the global initiative of the Coalition for Epidemic Preparedness Innovations (CEPI)"**
The IndCEPI Mission programme funded by the Department of Biotechnology will concentrate on diseases likely to pose an epidemic threat to India and on the health security of our own population in partnership with THSTI, Program Management Unit-BIRAC, MoHFW, ICMR, CDSCO, MoD and MEA. The IndCEPI mission will not only address the development of new vaccine candidates for outbreaks, but also bridge the academia-industry gap for routine vaccines and vaccines of the future. The main goal of the IndCEPI program will be to facilitate India's R&D capabilities in EID (Emerging Infectious Disease) vaccines to capitalize on the position of the Indian vaccine industry as an emerging leader in the vaccine field and make substantial contributions to global public health. The specific objectives of the mission are:

- To strengthen and facilitate global competitiveness in the development of new vaccines both for epidemic diseases and new platform technologies, by building and providing access to infrastructure to support the needs of the vaccine industry through an academia-industry interface

- To establish an internal coordinated inter-ministerial mechanism for vaccine development and testing to address known and unknown infectious disease threats.
- To build a public health preparedness system to respond to threats through strategic development of ethical and regulatory frameworks, surveillance and logistics for use of new vaccines, where appropriate.
- To strategically engage with CEPI through the IndCEPI Mission to develop vaccines to control epidemic outbreaks of infectious disease at an early stage to prevent spread, including engagement with LMICs.

d) The details of the various technical positions are given below:

S. No.	Name of the Post/ No. of Post / Max Monthly consolidated emoluments/ Age Limit	Minimum Qualifications & Experience	Domain and Job description
1.	**Project Engineer (Civil)** **One post** Upto Rs. 1,08,000/- 50 years	Three years diploma in Civil Engineering with minimum 10 years' experience in the relevant field **OR** BE/B.Tech or equivalent degree in Civil Engineering or equivalent with minimum 6 years' experience in the relevant field. **Desirable:-** ➢ M.Tech in Civil Engineering. ➢ Knowledge of Computer–aided Design (CAD) and latest Management Technology or other relevant softwares. ➢ Experience in the relevant field, as Engineer in a government organization.	**<u>Civil</u>** ➢ Project Planning, Contract Management, Project Execution, preparation of cost estimates & detailed project reports, review drawings, preparation of tender documents, quantity surveying, processing of bills etc. as per Govt. /CPWD procedures. ➢ Maintenance of buildings, Repair / renovation / construction/ installation work, and any other work assigned from time to time. ➢ Experience in Construction and Maintenance of Buildings, Roads, Water supply, Drainage works, etc. ➢ Experience in preparation of detailed estimates/analysis of rates as per CPWD norms. ➢ Liaisoning with Govt. Statutory authorities as per the requirements for large scale building construction projects / multistoried projects from concept to commissioning.
2.	**Project Engineer (For Biosafety Level 3 Facility)**	BE/ B. Tech. or equivalent degree in Mechanical/ Electrical/ Electronics/ Instrumentation Engineering with minimum 6	**<u>Biosafety Level 3 Facility</u>** ➢ Project execution as per approved drawings, guidelines, specifications and Organizing routine servicing

	One post Upto Rs. 1,08,000/- 50 years	years' experience in scientific/ industrial/ turnkey projects or other relevant fields with expertise in execution, operation and maintenance of scientific facilities having HVAC, clean rooms, BMS systems, etc..	schedules. ➢ Allocating work to a team of Technical Staff. ➢ Checking and calibrating Instruments to make sure they are accurate. ➢ Fitting new parts. ➢ Carrying out quality inspections. ➢ Responding immediately to equipment breakdowns. ➢ Fixing faults or arranging for replacements to be installed. ➢ Keeping Faculty in-charge informed of progress. ➢ Organising teams to make sure 24-hour cover is available. ➢ Making scheduled checks on equipment and parts. ➢ Finding and fixing faults and recalibrating instruments. ➢ Oiling and cleaning machinery and parts. ➢ Servicing/replacing parts according to schedule of AMC/CAMC. ➢ Responding immediately to instruments breakdowns. ➢ Any other work assigned by the ED/Faculty-in-Charge.
3.	**Senior Technical Officer (Biosafety Level 3 Facility) (Bioassay Lab)** **Three posts** Upto Rs. 85,000/- 35 years	**<u>For Biosafety Level 3 Facility</u>** PG Degree /PG Professional degree in Life Sciences with 7/6 years' of relevant experience. **<u>For Bioassay Lab</u>** PG Degree /PG Professional degree in Life Sciences with 7/6 years' of relevant experience. The candidate should have hands-on experience in molecular and serological assays. Should have sound knowledge of validation of assays, regulatory processes for assays used in diagnostics and vaccine development. **Desirable:**	**<u>Biosafety Level 3 Facility</u>** ➢ Maintenance of BSL-3 labs. ➢ Keeping faculty in charge informed for progress ➢ Making scheduled checks on instruments ➢ Records of CMC/AMC & instrument repairs ➢ Any other works assigned by ED/Faculty-in-charge Scientists ➢ Help in BSL-3 experiments **<u>Bioassay Lab</u>** Senior Technical Officer will be reporting to the Laboratory Director and will be responsible for the following: ➢ Ensuring compliance of assays and

		Knowledge and experience in Microbiology, Virology, Molecular biology and animal cell culture.	laboratory processes with ISO - 17025:2017 and ISO - 15189) ➢ To perform the molecular and serological assays as per the standard operating procedures (SOPs) ➢ To contribute to establishing new assays, to monitor the performance of the existing assays as per the regulatory guidelines for vaccine research ➢ To work with the team manager in maintaining the inventory of reagents and chemicals ➢ To work with the technical officers and verify the results and reports as and when the assays are completed and submit to the reporting officer. ➢ Coordinate with the team manager and technical staff in getting the qualification and calibration of all laboratory equipment done as per schedule ➢ Provide guidance/training to the junior technical staff for day-to-day activities ➢ Contribute to writing new SOPs and revision of existing SOPs as and when required ➢ Perform troubleshooting in the laboratory assay activities with team manager
4.	**Technical Officer-II (Small Animal Facility) (Bioassay Lab)** **Five posts** Upto Rs. 75,000/- 30 years	**<u>For Small Animal Facility</u>** PG Degree /PG Professional degree in Life Sciences/ Veterinary Science/ Microbiology/ Biotechnology or relevant branch with minimum 4/3 years work experience related with transgenic/genome editing and molecular biology techniques. **<u>For Bioassay Lab</u>** PG Degree /PG Professional degree in Life Sciences with 4/3 years' of relevant experience The candidate should have hands-on experience in molecular and serological assays.	**<u>Small Animal Facility</u>** **Quality Control & Transgenics :-** The TO-II will be responsible to perform the health and genetic monitoring/genotyping of small laboratory animals using routine microbiological and molecular biological techniques. He/she will also be responsible for executing the procedures required for cryopreservation, rederivation of frozen sperms & embryos, pronuclear microinjection, gene editing of embryonic stem cells by using CRISPR-cas technology, injection of genetically modified embryonic stem cells inside the embryo (Morulla, Blastocysts), and

		Should have sound knowledge of validation of assays, regulatory processes for assays used in diagnostics and vaccine development **Desirable:** Knowledge and experience in Microbiology, Virology, Molecular biology and animal cell culture.	Embryo Transfer technology. **<u>Bioassay Lab</u>** Technical Officer-II will be reporting to the team manager and will be responsible for the following: ➢ To maintain cell culture facility and perform virus isolation, virus neutralization assays and generate virus stocks for biorepository ➢ To maintain the stocks and inventory for cell culture and related assays ➢ To perform existing assays of the bioassay laboratory as per the regulatory guidelines for vaccine research ➢ Ensuring compliance with accreditation processes (ISO - 17025:2017 and ISO -15189) ➢ Preparation of standard operating procedures for assays ➢ Verification/validation of assays using reference reagents ➢ Providing training to junior technicians
5.	**Technical Officer-I (Small Animal Facility)** **One post** Upto Rs. 60,000/- 30 years	PG Degree /PG Professional degree in Life Sciences/ Microbiology/ Biotechnology or relevant branch with 3/2 years of relevant experience in executing quality control & animal care procedures in small animal facility.	**<u>Small Animal Facility</u>** The TO-I will be responsible for handling, sexing, identification, weaning, restraining and maintenance of laboratory animals, animal facility instruments and routine laboratory activities while performing health, genetic monitoring and screening of laboratory animals/facility. He/she will be responsible for performing the microbiological techniques such as sample collection, culturing, isolation and identification of microorganisms to detect the presence of pathogenic microbes in the laboratory animals. He/she will also be responsible for execution of molecular techniques such as ELISA/PCR/RT-PCR for detection and identification of pathogenic microbes in the laboratory animals and genetic monitoring/genotyping of laboratory

			animals for maintaining the genetic purity of housed strains/stocks of mice, rats and other small laboratory animals. He/she will be responsible for all documentation work related with small animal facility. He/she will oversee the enforcement of all the standard operating procedures related with the small animal facility with documentation.
6.	**Technical Officer-I (Civil)** **Two posts** Upto Rs. 60,000/- 30 years	B.Tech in Civil Engineering with minimum 2 years' experience in the relevant field **OR** Three years diploma in Civil Engineering with minimum 5 years' experience in the relevant field.	**<u>Civil</u>** ➢ Maintenance of building, general caretaking of the campus, supervision of the Repair/ Renovation/ Construction/ Installation work, and any other work assigned from time to time. ➢ Construction and Maintenance of Buildings, Roads. Water Supply, Drainage work, etc. after completion of the three years engineering diploma/engineering degree. ➢ Experience in preparation of detailed estimates/analysis of rates as per CPWD norms. ➢ Working knowledge of computer applications related to office work (MS Office & Auto CAD) ➢ Knowledge of CPWD working procedures.

Note 1: Those willing to apply for the above technical positions are required to identify their area of expertise from amongst the domain mentioned against each post and enclose a write-up of 500 words explaining how they will be able to contribute to the domain for which the application is submitted.

Note 2: Shortlisting Criteria- Candidates who fulfill the qualification and relevant experience required for which the application is submitted and whose write-up is found to be relevant will only be shortlisted for further selection process.

Note 3: Award of marks for selection process

Positions	Assessment Criteria	Marks
➢ **Project Engineer** (Civil) (Biosafety Level 3 Facility) ➢ **Senior Technical Officer** (Biosafety Level 3 Facility)	Write-up	20
	Interview	80

(Bioassay Lab) ➢ **Technical Officer-II** (Small Animal Facility) (Bioassay Lab) ➢ **Technical Officer-I** (Small Animal Facility) (Civil)		
	Total Marks	**100**

Note 4: The selection committee may recommend a candidate for lower grade/pay based on the qualification, skills and experience of the candidate.

"Government strives to have a work force which reflects gender balance and women candidates are encouraged to apply"

e) **GENERAL TERMS & CONDITIONS:**

1. Appointment will be made on yearly contract basis for a period of five years with an initial probation period of six months that may be extended at the discretion of the competent authority.

2. All educational, professional and technical qualification should be from a recognized Board/University.

3. The experience requirement specified shall be experience acquired after obtaining the minimum educational qualifications required for the post.

4. Persons working in Govt. / PSUs / autonomous bodies should apply through proper channel or produce a relevant 'No Objection Certificate' at the time of written test/ skill test /Interview. Such employees will be considered for appointment on direct recruitment /deputation/ short term contract basis. The educational qualification and experience shall be the same and the terms and conditions of deputation shall be governed by DoPT OM No. 6/8/2009-Estt. (Pay II) dated 17th June 2010.

5. Age and other relaxations for direct recruits and departmental candidates: 1. By 5 years for candidates belonging to SC/ST communities. 2. By 3 years for candidates belonging to OBC communities. 3. For Persons with Benchmark Disabilities (PwBD) falling under the following categories: (i) UR - 10 years , ii) OBC - 13 years (iii) SC/ST - 15 years 4. For Ex-servicemen upto the extent of service rendered in defence forces (Army, Navy & Air force) plus 3 years provided they have put in a minimum of 6 months attested service. 5. Relaxation of 5 years will also be permissible to those who had ordinarily been domiciled in the Kashmir division of the State of Jammu and Kashmir during the period from 01/01/1980 to 31 /12/1989 subject to production of relevant certificate from concerned authority. 6. Age is relaxable for Government servants up to 5 years in accordance with the instructions or orders issued by the Central Government, from time to time. 7. There is no upper age limit for the employees who are working for THSTI.

6. The closing date of online application will be the CRUCIAL DATE for determining eligibility with regard to age, essential qualification etc.

7. **One candidate can apply for only one position.**

8. The positions advertised will be filled only if suitable candidates are identified.

9. Outstation SC/ST/ PwBD candidates called for the written test/skill test/ interview will be paid to & fro second class railway fare, as per Govt. of India rules on production of the proof of the same.

10. All results will be published on our website and all communications will be only through email.

11. Canvassing in any form will be a disqualification.

f) **Check the following before submitting the application:**

To ensure that your application is not rejected, confirm the following:
(i) You fulfill the educational qualification and age criteria provided for each position.
(ii) You fulfill the relevant experience as specified under para (d).
(iii) You have enclosed experience certificates to prove that you have experience mentioned under para (d).
(iv) You fulfill all conditions specified for filling up of online application.

In case of non-fulfillment of any of the above requirements, the application will be rejected.

g) **<u>Procedure for filling online application:</u>**

a) Before filling up the online application, keep the following documents handy:

i) A soft copy of your passport size photo and signature. (only jpeg/jpg/png format)

ii) A comprehensive CV (PDF format only) containing details of qualification, positions held, professional experience/distinctions etc.

iii) The documents in support of educational qualification and experience (PDF format only) as mentioned below:

- Matriculation Mark sheet
- Intermediate Mark sheet
- Graduation Degree/Mark Sheet
- Post-Graduation Degree/Mark Sheet (if any)
- Ph.D/MD or equivalent degree (if any)
- Relevant experience certificates
- Caste/Disability certificate in the format prescribed by the Govt. of India, if applicable
- List of Publications (if any)
- List of patents (if any)
- Write-up (not exceeding 500 words)

iv) Application fee is to be deposited online as per details given below:

S. No.	Category	Amount
1.	Unreserved candidates/EWS OBC	500
2.	SC/ST/ Women/PwBD	Nil

After submitting the application, you will be automatically redirected to the dashboard wherein you will be required to click on **"Pay Online"** button in order to proceed for payment.

- **The payment can be made by using Debit Card/Credit Card/Internet Banking/UPI.**
- **Once payment is made, no correction/modification is possible.**
- **Candidates are requested to keep a copy of provisional receipt for future reference.**
- **Fee once paid shall not be refunded under any circumstances.**

b) The eligible and interested candidates may apply online at the Institute's website www.thsti.res.in/career. Applications through any other mode will not be accepted.

c) On successful submission of your application, an auto-generated email containing the reference number will be sent to the email address provided. Please keep a note of the reference number for future correspondence.

d) Candidates are required to keep a printout of the online application form by using the print button on the dashboard for future reference.

e) Candidates must ensure that he/she fulfils all eligibility criteria as stipulated in the advertisement. If it is found that he/she does not fulfil the stipulated criteria, the candidature will be cancelled.

f) Incomplete applications shall be summarily rejected and no correspondence in this regard shall be entertained.

g) Candidates are requested to use Google Chrome internet browser for best results in submission of online application.

h) In case of difficulty in filling up the online form, please send e-mail to personnel@thsti.res.in .

h) **Important Date:**

Last date for receipt of online application	3 February 2020