



CSIR-NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY
Industrial Estate P.O., Pappanamcode, Thiruvananthapuram-695 019

ADVERTISEMENT No.02/2019

CLOSING DATE OF **ON-LINE** APPLICATIONS: **09/10/2019 at 5:30PM**

LAST DATE FOR RECEIPT OF **HARD COPY OF ON-LINE** APPLICATION: **18/10/2019 up to 5:30PM**

NIIST, Thiruvananthapuram, is a premier institute under the Council of Scientific and Industrial Research (CSIR), involved in multidisciplinary R&D programmes of both basic and applied nature across scientific disciplines for economic, environmental and societal benefits for the people of India. This Institute is engaged in five broad areas of R&D namely (i) Agroprocessing & Natural Products, (ii) Biotechnology, (iii) Chemical Science & Technology, (iv) Materials & Minerals and (v) Process Engineering & Environmental Technology.

On-line applications are invited from Indian nationals having excellent academic record with requisite experience to fill up the posts as detailed below:

Post Code	Name, Age Limit, No. of posts & Category	Pay Level, Pay Matrix & Approximate Emoluments	Essential Qualifications	Desirable Qualifications	Job Requirement	
MO	MEDICAL OFFICER 01 post (UR) Age: 40 Yrs	Level 11 ₹67700-208700 ₹93,396/- Excl. HRA + NPA - 20% of BP	M.B.B.S. with MD (from a recognized University) or equivalent and having Medical Council of India registration.		Responsible for running the Dispensary at CSIR-NIIST. Providing treatment to Staff, Pensioners & Students including attending emergencies.	
	NB: In the event of non-availability of candidates with MD qualifications, the post of MEDICAL OFFICER (UR) will be filled up by candidates with MBBS qualification as detailed below:					
	Age: 35 Yrs	Level 10 ₹56100-177500 ₹78,084/- Excl. HRA + NPA - 20% of BP	M.B.B.S. with 55% marks from a recognized University and having Medical Council of India registration.	Candidates with working experience will be preferred.		
LIB	SENIOR TECHNICAL OFFICER (1) Age: 35 Yrs 01 post (OBC)	Level 10 ₹56100-177500 ₹75,840/-	M.Lib. Sc. with 55% marks after 1 st Class B.Sc. (Science) plus two years experience.	Knowledge of Library Management software. Experience in computerized library and documentation services.	To manage subscription, acquisition of information products, content development, manage library website etc.	
ELE	TECHNICAL ASSISTANT Age: 28 Yrs* 01 post (UR)	Level 6 ₹35400-112400 ₹47,104/-	1 st class Diploma in Electrical Engineering of at least 3 years full time duration or at least 2 years full time duration in case of lateral admission in Diploma courses or its equivalent with experience of 2 years in the relevant area/field.	Experience in relevant field such as operation and maintenance of electrical equipment (motors/gensets/HT & LT panels, knowledge of CPWD rules).	Preparation of estimates, Bills, day to day supervision of works, recording of measurements. Day to day maintenance and preventive maintenance of services such as internal, external, electrification, substation, DG sets. Lifts, pumps residential/office buildings. Any other duties assigned to him/her.	
CST	TECHNICAL	Level 6	1 st class B.Sc (Sci.) with	Experience in working	Candidate will have	

	ASSISTANT Age: 28 Yrs 01 post (ST)	₹35400-112400 ₹47,104/-	Chemistry/Physics as one of the subject with one year full time professional qualification or one year experience in handling analytical instruments from a recognized institute or organisation.	with different imaging techniques such as AFM, confocal Raman and fluorescence microscopes OR Experience in handling analytical instruments like GCMS, Mass, NMR etc.	to work as a supporting staff in various R&D activities of the institute. Will be responsible for the day to day operation and maintenance of the instrument facility of the institute.
EVT1	TECHNICAL ASSISTANT Age: 28 Yrs 01 post (UR)	Level 6 ₹35400-112400 ₹47,104/-	1 st class B.Sc (Sci.) with Chemistry/ Environmental Science as one of the subject with one year full time professional qualification or one year experience in the relevant discipline from a recognized institute/organisation.	Experience in relevant field such as environmental chemistry, environmental science, analytical chemistry and water, air, solid waste analysis with technology development or deployment with good academic record.	Operation and maintenance of sophisticated analytical equipments such as GC-MS/MS/HRGC-HRMS/ICP-MS sample preparation systems and laboratory maintenance. Field studies involving sampling and analysis of various environmental quality parameters of air, solid & hazardous wastes, water/wastewater, soil, noise, biological (phyto & zoo plankton), microbiological elements. Design and development of technologies implementable in the field for solving environment problems and other health related pollutants. Handling various instruments for environmental monitoring.
EVT2	TECHNICAL ASSISTANT Age: 28 Yrs 01 post (EWS)	Level 6 ₹35400-112400 ₹47,104/-	1 st class B.Sc (Sci.) with Bio-technology or Microbiology as one of the core subject with one year full time professional qualification or one year experience in the relevant discipline from a recognized institute/organisation.	Experience in relevant fields such as wastewater and solid waste analysis/waste treatment, anaerobic microbiology, involvement in technology development and field deployment with good academic record. Hands on experience with wastewater analysis equipment.	Sample collection from environment (field work) & analysis of the samples. Handling of analytical & molecular biology equipments. Assisting scientists in the following areas: a) Field installation, operation and troubleshooting of biological waste treatment systems. b) To assist Scientists in R&D and other related activities of the Institute.
MPT1	TECHNICAL	Level 6	1 st class Diploma in	Operation and	

	ASSISTANT Age: 28 Yrs* 01 post (UR)	₹35400-112400 ₹47,104/-	Chemical Engineering/Tech. of at least 3 years full time duration or at least 2 years full time duration in case of lateral admission in Diploma courses or its equivalent with experience of 2 years in the relevant area/field.	maintenance of heat exchangers, cooling tower, pressure reactors, fermenters, STRs, distillation units etc. Experience of working on a production line covering end to end operations for any chemicals/biological highly desired. Sound knowledge of computers and computer aided operation of reactors.	
MPT2	TECHNICAL ASSISTANT Age: 28 Yrs* 01 post (OBC)	Level 6 ₹35400-112400 ₹47,104/-	1 st class B.Sc (Sci.) with Chemistry/ Industrial Chemistry as one of the subject with one year full time professional qualification or one year experience in the relevant discipline from a recognized institute/ organisation.	Operation of analytical instruments including HPLC, GC, IR and UV-Vis spectrophotometers, assay of biologicals, preparation of reagents etc.	
MST1	TECHNICAL ASSISTANT Age: 28 Yrs* 01 post (UR-PwD-OH)	Level 6 ₹35400-112400 ₹47,104/-	1 st class B.Sc (Sci.) with physics/electronics as one of subject with one year full time Professional qualification or one year experience in the relevant discipline from a recognized Institute/Organization.	01 year practical experience in the operation and maintenance of major analytical equipment like X-ray Photoelectron Spectroscopy (XPS) of Atomic Force Microscopy (AFS) from a recognized Institute/Organisation.	The candidate will have to assist the Scientist to carry out routine XPS sample analysis, data acquisitions, instrument trouble shooting, maintenance and repairs. If necessary, the incumbent should carry out all maintenance work even at odd hours and on emergency calls. The incumbent may require to assist other sophisticated instruments installed in the Institute.
MST2	TECHNICAL ASSISTANT Age: 28 Yrs 01 post (SC)	Level 6 ₹35400-112400 ₹47,104/-	1 st class B.Sc (Sci.) with physics/Electronics as one of the subjects with one year full time Professional qualification or one year experience in the relevant discipline from a recognized Institute/ Organization.	01 year practical experience in the operation and maintenance of major analytical equipment like X-ray Diffractometer to carry out structural characterisation of wide variety of materials from recognized Institute/Organisation.	The candidate will be engaged in the structural analysis of samples like ceramics, metals, polymers and samples related to other R&D Projects of the Institute.

UR: Unreserved; SC: Scheduled Caste; ST: Scheduled Tribe; OBC: Other Backward Class; PwD: Persons with Disabilities; EWS: Economically Weaker Section

I. Mode of Selection:

A. For post codes MO & LIB:

Shortlisted candidates will be called for interview.

B. For post codes ELE, CST, EVT1, EVT2, MPT1, MPT2, MST1 & MST2:

Duly constituted Screening Committee will recommend the candidates to be called for Trade Test and if needed, Committee may fix/adopt screening criteria as deemed fit. Those who qualify in the trade test will be invited for a competitive written examination. The final merit list will be prepared on the basis of the performance of the candidates in the written examination.

Mode of examination:

For these posts, there will be three papers. The second and third paper will be evaluated only for those candidates who secure the minimum threshold marks (to be determined by the Selection Committee) in the first paper.

Mode of Examination	OMR Based or Computer Based Objective Type Multiple Choice Examination.
Medium of Questions	The questions will be set both in English and Hindi except the questions on English Language.
Standard of exam	Diploma/Graduation Level (based on the advertised qualification of the post).
Total No. of Questions	200
Total Time Allotted	3 hours

Paper-I (Time Allotted - 1 hour)

Subject	No. of Questions	Maximum Marks	Negative Marks
Mental Ability Test *	50	100 (Two marks for every correct answer)	<u>There will be no negative marks in this paper.</u>

*Mental Ability Test will be so devised so as to include General Intelligence, Quantitative Aptitude, Reasoning, Problem Solving, Situational judgement etc.

Paper-II (Time Allotted - 30 minutes)

Subject	No. of Questions	Maximum Marks	Negative Marks
General Awareness	25	75 (Three marks for every correct answer)	One negative mark for every wrong answer
English Language	25	75 (Three marks for every correct answer)	One negative mark for every wrong answer

Paper-III (Time Allotted - 90 minutes)

Subject	No. of Questions	Maximum Marks	Negative Marks
Concerned Subject	100	300 (Three marks for every correct answer)	One negative mark for every wrong answer

II. General Information and conditions:

1. Benefits under Council service.

- These posts carry usual allowances i.e. Dearness Allowance (DA), House Rent Allowance (HRA) and Transport Allowances (TA) as admissible to the central government employees and as made applicable to CSIR. Council employees are also eligible for accommodation of their entitled type as per CSIR Residence Allotment rules, depending on availability in which case HRA will not be admissible. For Post Code MO, the selected candidate will be required to stay in the residential colony of CSIR-NIIST, Thiruvananthapuram.
- In addition to the emoluments indicated against each category of posts, benefits such as applicability of New Pension Scheme 2004, reimbursement of Medical Expenses, Leave Travel Concession, Conveyance advance and House Building Advance are available as per CSIR rules.
- CSIR provides excellent opportunities for career advancement under Assessment Promotion scheme.

2. Other Conditions:

- The applicant must be a citizen of India.
- All applicants must fulfil the essential requirements of the post and other conditions stipulated in the advertisement as on the closing date of on-line application. They are advised to satisfy themselves before applying that they possess at least the essential qualifications laid down for various posts as on the closing date. No enquiry asking for advice as to eligibility will be entertained.
- The prescribed essential qualifications are the minimum and the mere possession of the same does not entitle candidates to be called for interview/Trade Test/Written Test. The duly constituted screening committee will

adopt its own criteria for short-listing the candidates. The candidate should therefore, mention in the application all the qualifications and experiences in the relevant area over and above the minimum prescribed qualification, supported with documents.

- d. The application should be accompanied by self attested copies of the relevant certificates regarding educational qualification, experience, etc. The prescribed qualifications should have been obtained from recognized Universities/Institutions etc. Incomplete applications (i.e. unsigned, without photograph, without proof of remittance of application fee if applicable, applicable testimonials etc.) will not be entertained and will be summarily rejected.
- e. In respect of equivalent clause in essential qualification, if a candidate is claiming a particular qualification as equivalent qualification as per the requirement of advertisement, then the candidate is required to produce order/letter in this regard, indicating the authority (with number and date) under which it has been so treated otherwise the application is liable to be rejected.
- f. The period of experience rendered by a candidate on part time basis, daily wages, visiting/guest faculty will not be counted while calculating the valid experience for shortlisting the candidates for interview/Trade Test/Written Test.
- g. If any document/certificate furnished is in a language other than Hindi or English, a transcript of the same duly attested by a Gazetted Officer or Notary is to be submitted.
- h. The date for determining the upper age limit, qualifications and /or experience will be the closing date of on-line application i.e. **09/10/2019**.
- i. The period of experience in a discipline/area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications prescribed for that Grade.
- j. **Persons with disabilities (PwD) fulfilling the eligibility conditions prescribed under GOI instructions are encouraged to apply.**
- k. Outstation candidates called for interview for the post codes MO & LIB will be paid to and fro single second class rail fare by shortest route from the actual place of undertaking the journey or from the normal place of their residence whichever is nearer to Trivandrum Central Railway Station on production of proof.
- l. Any discrepancy found between the information given in application and as evident in original documents will make the candidate ineligible for appearing in interview. Such candidate will not be paid any fare.
- m. The decision of the NIIST/CSIR in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, conduct of interview/trade test/written examination will be final and binding on the candidates.
- n. Canvassing in any form and/or bringing any influence political or otherwise will be treated as a disqualification for the post.
- o. NO INTERIM ENQUIRY OR CORRESPONDENCE WILL BE ENTERTAINED.

3. Relaxations:

- a. The upper age limit is relaxable upto 5 years for SC/ST and 3 years for OBC as per Government orders in force only in those cases where the posts are reserved for respective categories, on production of relevant and valid certificate in the prescribed format signed by the specified authority. **For OBC & EWS candidates, the prescribed formats are attached below.**
- b. Upper age limit is also relaxable upto five years for the regular employees working in CSIR Laboratories/institute, Government Departments, autonomous bodies and public sector undertakings.
- c. As per GOI provisions, age relaxation for Widows, Divorced Women and Women judicially separated from Husbands who are not remarried, the upper age limit is relaxable up to the age of 35 year (upto 40 years for members of Scheduled Castes/Scheduled Tribes and up to 38 years for members belonging to the Other Backward Classes in respect of the posts reserved for them). The person claiming age relaxation under this sub-para would be required to produce following documentary evidence:-
 - i) In case of Widow, Death Certificate of her husband together with the Affidavit that she has not remarried since.
 - ii) In case of divorced women and women judicially separated from their husbands, a certified copy of the judgment/decreed of the appropriate Court to prove the fact of divorce or the judicial separation, as the case may be, with an Affidavit in respect of divorced women and they have not remarried since.
- d. Age relaxation to Persons with Disabilities (PwD): Age relaxation of 10 years (total 15 years for SCs/STs and 13 years for OBCs) in upper age limit is allowed to persons suffering from (a) blindness or low vision, (b) hearing impairment and (c) locomotor disability or cerebral palsy. The persons claiming age relaxation under this sub-

para would be required to produce a certificate in prescribed proforma in support of their claims clearly indicating that the degree of physical disability is 40 % or more. In any case, the appointment of these candidates will be subject to their being found medically fit in accordance with the standards of medical fitness as prescribed by the Government for each individual group of posts to be filled by Direct Recruitment by Selection.

- e. Relaxation in age, over and above the stipulated limit, educational qualification and/or experience may be considered in case of exceptionally meritorious candidates or if sufficient number of candidates possessing the requisite qualification and /or experience are not available to fill up the posts.
- f. Relaxation of five 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.

4. How to apply:

- a. Eligible candidates are required to apply **on-line** through CSIR-NIIST website <http://www.niist.res.in>. No other mode of application will be accepted.
- b. On-line application will be available at CSIR-NIIST website up to **5.30PM of 09/10/2019**.
- c. The candidate has to **remit application fee of Rs.100/- (wherever applicable) through Net-Banking** to the following account and fill up the transaction details in the prescribed columns of on-line application:

Name of Account Holder	:	Director, NIIST (CSIR), Trivandrum
Account Number	:	67047723825
Bank Name	:	State Bank of India
IFSC Code	:	SBIN0070030
MICR No.	:	695002943

- d. Candidates should keep a copy of the print out of on-line application for their record.
- e. The duly signed print out of the computer generated application form (hard copy) along with self attested copies of certificates, mark-sheets, testimonials in support of age, educational qualifications, experience, caste certificate, if applicable, and proof of application fee remittance should be sent in an envelope superscribed " Application for the post of(Post Code.....) by post so as to reach **The Controller of Administration, CSIR-NIIST, Industrial Estate P.O, Thiruvananthapuram-695019, Kerala on or before 5.30PM on 18-10-2019**.
- f. The candidates belonging to Women/SC/ST/PwD/CSIR employees are exempted from submission of application fee.
- g. Candidates applying for more than one post should submit separate on-line applications and application fees.
- h. In case of universities/institute awarding CGPA/SGPA/OGPA grades etc., candidates are required to convert the same into percentage based on the formula as per their university/Institute.
- i. Application fees once paid will not be refunded on any count nor can it be held in reserve from any other recruitment or selection process.
- j. Applications from candidates working in Government Departments, Autonomous bodies, Public Sector Undertakings and Government Funded Research Agencies will be considered only if the print out of on-line application is forwarded through proper channel with a clear certificate from the employer that the applicant will be relieved of his/her duties within one month of receipt of appointment letter, if selected for the post applied for. However, advance copy of the application may be submitted before the closing date.
- k. After filling-up the electronic application form, the candidate can verify/edit the application to ensure that the application is complete and correct in all respects. After finalizing, candidate can print the application.
- l. On-line application will be treated as complete if the hard copy along with relevant documents & proof of remittance of application fee (if applicable) are received at CSIR-NIIST.
- m. Candidates should specifically note that the applications received after the closing date for any reason whatsoever (such as envelopes wrongly addressed, delivered elsewhere, postal delay etc.) will not be entertained by CSIR-NIIST.

Following documents must be attached with the application (print out) and sent by post:

1. Demand Draft of ₹100/- as application fee, wherever applicable.
2. Coloured photograph pasted on the application and signed across in full.
3. Self attested photocopy of Date of Birth Certificate/SSLC certificate.
4. Self attested photocopies of educational qualifications certificates.
5. Self attested photocopy of caste certificate, if applicable. For OBC candidates, the GoI format is attached below.
6. Self attested photocopy of EWS certificate in the prescribed format attached below.
7. Self attested photocopies of experience certificates, if any.

Sd/-
Controller of Administration

**FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR
APPOINTMENT TO POSTS / ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER
THE GOVERNMENT OF INDIA**

This is to certify that Shri / Smt. / Kum. _____ Son/
Daughter of Shri / Smt. _____ of Village/Town
_____ District/Division _____ in the
_____ State belongs to the _____ Community which is
recognized as a backward class under:

- (i) Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186 dated 13/09/93.
- (ii) Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 dated 20/10/94.
- (iii) Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 dated 25/05/95.
- (iv) Resolution No. 12011/96/94-BCC dated 9/03/96.
- (v) Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 11/12/96.
- (vi) Resolution No. 12011/13/97-BCC dated 03/12/97.
- (vii) Resolution No. 12011/99/94-BCC dated 11/12/97.
- (viii) Resolution No. 12011/68/98-BCC dated 27/10/99.
- (ix) Resolution No. 12011/88/98-BCC dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99.
- (x) Resolution No. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated 04/04/2000.
- (xi) Resolution No. 12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000.
- (xii) Resolution No. 12015/9/2000-BCC dated 06/09/2001.
- (xiii) Resolution No. 12011/1/2001-BCC dated 19/06/2003.
- (xiv) Resolution No. 12011/4/2002-BCC dated 13/01/2004.
- (xv) Resolution No. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India.

Extraordinary Part I Section I No. 210 dated 16/01/2006. Shri / Smt. / Kum.
_____ and/or his family ordinarily reside(s) in the
_____ District/Division of _____
State. This is also to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned
in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No.
36012/22/93-Estt.(SCT) dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.) dated
09/03/2004.

Dated: _____

District Magistrate/Deputy Commissioner/Competent Authority
Seal

NOTE:

- (a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
- (b) The authorities competent to issue Caste Certificates are indicated below:
 - (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate).
 - (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
 - (iii) Revenue Officer not below the rank of Tehsildar' and
 - (iv) Sub-Divisional Officer of the area where the candidate and / or his family resides.

Government of
(Name & Address of the authority issuing the certificate)

INCOME & ASSET CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS

Certificate No. _____

Date: _____

VALID FOR THE YEAR _____

This is to certify that Shri/Smt./Kumari _____ son/daughter/wife of _____ permanent resident of _____, Village/Street _____ Post Office _____ District _____ in the State/Union Territory _____ Pin Code _____ whose photograph is attested below belongs to Economically Weaker Sections, since the gross annual income* of his/her "family"** is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year _____. His/her family does not own or possess any of the following assets***:

- i. 5 acres of agricultural land and above;
- ii Residential flat of 1000 sq. ft. and above;
- iii Residential plot of 100 sq. yards and above in notified municipalities;
- iv. Residential plot of 200 sq. yards and above in areas other than the notified municipalities.

2. Shri/Smt./Kumari _____ belongs to the _____ caste which is not recognized as a Scheduled Caste, Scheduled Tribe and Other Backward Classes (Central List)

Signature with seal of Office _____

Name _____

Designation _____

Recent Passport size attested
photograph of the applicant

*Note 1: Income covered all sources i.e. salary, agriculture, business, profession, etc.

**Note 2: The term "Family" for this purpose include the person, who seeks benefit of reservation, his/her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years

***Note 3: The property held by a "Family" in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.