

ಸಿಎಸ್‌ಐಆರ್ - ರಾಷ್ಟ್ರೀಯ ವೈಮಾಂತ್ರರಿಕ್ಷ ಪ್ರಯೋಗಶಾಲೆಗಳು  
सीएसआईआर-राष्ट्रीय वांतरिक्ष प्रयोगशालाएं, बंगलुरु - 560017, भारत  
**CSIR- NATIONAL AEROSPACE LABORATORIES**  
(Council of Scientific & Industrial Research)  
Bengaluru - 560017, INDIA

Date of Publication: 29/11/2024

**ADVT. No. 10/2024**

**WALK-IN-INTERVIEW FOR PROJECT STAFF**

CSIR-NAL is a unit under the Council of Scientific and Industrial Research (CSIR), an autonomous body under the Ministry of Science and Technology, Govt. of India. Applications are invited from qualified candidates (Indian nationals) who meet the necessary educational and work experience for engagement of Project Staff to work in various projects at CSIR-NAL. The engagement of Project Staff is purely on temporary and contract basis under the CSIR/Externally funded/Other projects undertaken by CSIR-NAL. The engagement shall be for short period and **co-terminus** with the project.

Candidates who fulfil the under-mentioned educational qualifications and experience etc. may attend the Walk-in-Interview during 09/12/2024 to 13/12/2024 along with the application, in the prescribed format enclosed.

09/12/2024				
Position with monthly Emoluments	Qualification / Specialization / Experience	No. of Positions	Age limit (in years)	Job Requirements
PA-II (₹ 20000/-+ HRA)	Diploma (BMLT/DMLT)	01*	35	<ul style="list-style-type: none"><li>➤ Blood Sample drawing</li><li>➤ centrifugation</li><li>➤ Hematology analysis (cell counts)</li><li>➤ Bio chemistry Analysis</li><li>➤ Clinical pathological analysis</li><li>➤ working knowledge of MS Office</li><li>➤ Communication skills (English and Hindi)</li><li>➤ Any other responsibilities defined by the project leader</li></ul>
PAT-I (₹ 25000/-+ HRA)	M.Sc (Physics)	01*	35	<ul style="list-style-type: none"><li>➤ Software Code development for active cancellation of probing in phased antennas arrays, EM design and analysis of antennas, EM measurements.</li></ul>
PAT-II (₹ 28000/-+ HRA)	B.E/B.Tech (Chemical Engineering)	01*	35	<ul style="list-style-type: none"><li>➤ Operation and Supervision of Pilot-Scale Chemical Process Plant Assist in design of Electronics System.</li></ul>

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<b>10/12/2024</b>				
<i>Position with monthly Emoluments</i>	<i>Qualification / Specialization / Experience</i>	<i>No. of Positions</i>	<i>Age limit (in years)</i>	<i>Job Requirements</i>
<b>PAT-I</b> (₹ 25,000/-+HRA)	<b>M.Sc/BE/B.Tech/</b> (Electronics and Communication, Computer Science)	04*	35	<ul style="list-style-type: none"> <li>➤ Software Code development for adaptive algorithm, development of machine learning algorithms for electromagnetic applications.</li> <li>➤ EM Design and performance analysis of Antennas and absorbers</li> <li>➤ Knowledge in Web application development in Java-J2EE, JPA, Angular, Boot Strap, Spring Boot, Spring Security, REST API, Database : Oracle/ SQL server.</li> </ul>
<b>PAT-I (NET/GATE)</b> (₹ 31,000/-+HRA)	<b>BE/B.Tech</b> (Electrical and Electronics )	02*	35	<ul style="list-style-type: none"> <li>➤ Instrumentation of the bearing test rig with Eddy Current Sensors, accelerometer. Connections of the sensors to the data acquisition system. Operation of the data acquisition system.</li> <li>➤ Electrical Machines, Power electronics and drives design, analysis and testing.</li> </ul>
<b>PAT-II</b> (₹ 28,000/-+ HRA)	<b>BE/B.Tech</b> (Electrical and Electronics, ECE, Instrumentation and Control)	02*	35	<ul style="list-style-type: none"> <li>➤ To work in the areas of Aircraft Electrical Design, Electrical load analysis, Electrical Test Rig Design and Integration and Flight Testing.</li> <li>➤ Design, Development and Certification for Saras Mk2 stall warning, brake management and autopilot systems. MATLAB/SIMULINK based implementation, autocode generation and real time simulation, certification documentation.</li> </ul>
<b>12/12/2024</b>				
<i>Position with monthly Emoluments</i>	<i>Qualification / Specialization / Experience</i>	<i>No. of Positions</i>	<i>Age limit (in years)</i>	<i>Job Requirements</i>
<b>PA-I</b> (₹ 18000/-+ HRA)	<b>ITI</b> (Fitter/Mechanical/ Automobile)	05*	35	<ul style="list-style-type: none"> <li>➤ Composite part manufacturing</li> <li>➤ Assembly of test section and preparation of test section, fuel injection system.</li> </ul>
<b>PA-II</b> (₹ 20000/-+HRA)	<b>Diploma</b> (Mechanical/Production Engg. )	03*	35	<ul style="list-style-type: none"> <li>➤ Composite Manufacturing and their tooling for TOT work at ARDC, HAL.</li> <li>➤ Composite Manufacturing and their tooling for fin TOT</li> <li>➤ Preparation of route books /process sheets for Aircraft Part fabrication and planning the manufacturing activities with Scheduling with Documentation.</li> </ul>

<p align="center"><b>PAT-I</b> (₹ 25000/-+HRA)</p>	<p align="center"><b>BE/B.Tech</b> (Mechanical/Aerospace/ Aeronautical)</p>	<p align="center">02*</p>	<p align="center">35</p>	<ul style="list-style-type: none"> <li>➤ Process Plant Operation Supervision.</li> <li>➤ CAD Modeling in software like SOLIDWORKS/CATIA etc. Basics in GD&amp;T. Drafting in tools like AUTOCAD. Familiar with Meshing, Finite Element Analysis software like ANSYS Workbench. Ability to carry out hand calculations for stress analysis. Should have good basics of Fluid Mechanics.</li> </ul>
<p align="center"><b>PAT-I (NET/GATE)</b> (₹ 31000/-+HRA)</p>	<p align="center"><b>BE/B.Tech</b> (Mechanical/Aero/ Materials/Metallurgical/ Aeronautical Engg. With CFD)</p>	<p align="center">03*</p>	<p align="center">35</p>	<ul style="list-style-type: none"> <li>➤ R&amp;D work related to metal processing and Materials characterization</li> <li>➤ Candidate should have basic knowledge of CFD and Aerodynamics. Working knowledge on Ansys Meshing, pointwise meshing and fluent CFD Solver Preliminary knowledge on CAD Tools like CATIA/Solid works.</li> <li>➤ CAD Modeling and drawing preparation of Turbine test rig of ATGG turbine.</li> </ul>
<p align="center"><b>PAT-II</b> (₹ 28000/-+HRA)</p>	<p align="center"><b>BE/B.Tech with 2 years' of Experience or ME/M.Tech</b> (Aerospace/ Aeronautical/ Mechanical/ Thermal/ Structures/Civil)</p>	<p align="center">08*</p>	<p align="center">35</p>	<ul style="list-style-type: none"> <li>➤ Good Knowledge of FEM and Solid Mechanics. Basic Knowledge of fluid mechanics/ aerodynamics. Working knowledge of FE meshing, static/dynamics analysis and postprocessing. Basic knowledge of programming in matlab/Python(software tools: Hypermesh, CATIA, Nastran/ Abaqus, Matlab/Python).</li> <li>➤ Operation and Supervision of Pilot-Scale Chemical Process Plant.</li> <li>➤ FE Analysis of Composite Structure for Saras Mark II.</li> <li>➤ Generation of 3d CAD models using CATIA, 2D CAD drawings using AutoCAD/draft sight and drawing checking.</li> <li>➤ Aircraft Structural Design, finite element modelling and analysis using CAE tools (Hyper mesh, MSCNastran, etc.,).</li> <li>➤ Mechanical Design, 3-D CAD Modelling and 2 D drawing generation desirable: basic knowledge in FEA using ANSYS mechanical and GD &amp;T.</li> <li>➤ CAD Modeling, drawings and structural analysis of turbine rig components.</li> <li>➤ To support Scientist in Thermal and Structural Analysis and Characterization of Air to Air Heat exchanger for small Aircraft using CFT and FEA Tools</li> </ul>

<b>PAT-II (NET/GATE) (₹ 35000/-+HRA)</b>	<b>BE/B.Tech with 2 years' of Experience or ME/M.Tech</b>  (Aeronautical/Mechanical /Aerospace/Aeronautical Engg. With CFD)	03*	35	<ul style="list-style-type: none"><li>➤ Good knowledge of CFD and Aerodynamics. Working knowledge of CFD meshing, external flow analysis and post processing. Basic knowledge of programming in MATLAB/ Python (software tools: ICEM CFD, CATIA, Star CCM+, Fluent, Matlab/Python).</li><li>➤ Assist in Mechanical System Design for Avionics.</li><li>➤ Candidate should have basic knowledge of CFD and Aircraft Aerodynamics. Working knowledge on Fluent Meshing, pointwise meshing and fluent CFD Solver Preliminary knowledge on CAD Tools like CATIA/Solid works.</li></ul>
<b>Sr PAT (₹ 42000/-+HRA)</b>	<b>BE/B.Tech with 3 years' of Experience</b> (Aerospace)	01*	40	<ul style="list-style-type: none"><li>➤ Dynamic and Aeroelastic analysis of Aircraft Structure using FEM in NASTRAN.</li></ul>

*\*Positions may vary as per the Project requirements and CSIR-NAL will make a panel of waitlisted candidates to supplement the new projects. Such panel will be valid for one year from the date of notification of result, or till the completion of the project, whichever is earlier.*

**Monthly Stipend / Emoluments:**

**I. Project Assistant-I:**

a) 18,000/- +HRA

**II. Project Assistant-II:**

a) ₹20,000/- + HRA

**III. Project Associate-I /PAT-I**

(a) ₹25,000/- + HRA

(b) \* ₹31,000/- + HRA to Scholars who are selected through (i) National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (ii) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.

**IV. Project Associate-II /PAT-II**

(a) ₹28,000/- + HRA

(b) \* ₹35,000/- + HRA to Scholars who are selected through (i) National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (ii) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.

**V. Senior Project Associate/Sr PAT: ₹42,000/- + HRA**

**\* NOTE: Candidates appearing for position of Project Associate-I/PAT-I and Project Associate-II/PAT-II having valid GATE score card will be paid only ₹25,000/- and ₹28,000/- + HRA respectively. If at all, the project needs GATE qualification, only then, they will be paid ₹31,000/- and ₹35,000/- + HRA respectively.**

**General Conditions:**

1. The engagement of Project Staff which is on contract basis in respect of all above positions will confer no rights on the candidates, whatsoever, implicitly and / or explicitly for their continuation beyond tenure /absorption/ regularization in CSIR. The engagement shall be for short period and co-terminus with the project and may be terminated at any time by giving a notice of one month from either side or one-month stipend in lieu thereof.
2. Project Staff would be governed by the CSIR-NAL Guidelines relating to engagement of project staff in CSIR Projects including NMITLI projects, OLP/MLP, Contract R&D and non-CSIR funded Projects.
3. Director, CSIR-NAL reserves the right to increase / decrease the number of positions and also cancel the recruitment process for the positions mentioned above at any stage of the recruitment process. The decision of the Director, CSIR-NAL will be final and binding on all candidates at any stage for engagement of Project Staff.
4. Maximum duration in one project or in different projects taken together in CSIR-NAL or other CSIR labs shall not be more than seven years in any case.
5. If the candidate is already working in CSIR-NAL or any other CSIR labs, a "No Objection Certificate" from the Project Leader/HOD is mandatory at the time of interview.
6. The prescribed essential qualifications are the minimum and should be in the areas required as above. More possession of the same does not entitle candidates to be called for interview. CSIR-NAL will adopt its own criteria for shortlisting of candidates. The candidate should, therefore, mention in the application, all the qualifications and experience in the relevant area, over and above the minimum prescribed qualification, supported with documents and ensure that all details are complete and accurate.
7. The selection would be based upon the performance in the interview or any other criteria adopted by the selection committee(s). A panel of suitable candidates would be generated after the selection process and the validity of this panel would be for a maximum period of one year. Empanelment does not provide automatic guarantee of engagement. Utilization of panels depends on the number of positions available in various projects during the period and any interim inquiry will not be entertained.
8. In case a large number of candidates appear for the interview, the Selection/Screening Committee will have discretion to shortlist the candidates for the interview based on written exam or any other criteria deemed fit. In respect of equivalence clause in Essential Qualifications, if a candidate is claiming a particular qualification as equivalent qualification for recruitment 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.
9. The relaxation in the age limit for the candidates belonging to the category of SC/ST/PwBD/Women and the category of OBC shall be 05 years and 03 years respectively or as per Govt. of India instructions issued in this regard from time to time. The candidates may clearly mention the category they belong to i.e., SC/ST/OBC/PH/EWS and attach a documentary proof of the same. Failing to attach the documentary proof of age relaxation will not be extended.
10. No TA/DA will be paid to the candidates for attending the Walk-in-Interview.

11. Candidates who have completed their degree with requisite educational qualifications only need to attend the Interview. However, candidates appearing/appeared for the qualifying examination whose results are awaited **are not eligible to attend the interview.**
12. List of selected candidates will be notified on our website: <https://www.nal.res.in>. In addition, panel of waiting list will also be drawn for future requirements and it will be valid for a period of one year.
13. The selected candidates are expected to join within 15 days from the date of receiving the offer letter and no further extension is normally entertained. If the candidates are unable to report within 15 days, the offer will be cancelled without further notice and the offer will be issued to the next waitlisted candidate.
14. **The engagement of Project Staff will be subject to production of ORIGINAL documents viz. Educational Qualification certificates with all mark sheets, Experience certificates, Caste Certificate etc.**
15. The date of determining qualification and age shall be the date of Walk-in-Interview.
16. Candidates are requested NOT to send the application by post/speed post/e-mail.
17. Canvassing in any form and/or bringing any influence political or otherwise will be disqualified.

**Walk-in-Interview Date:**


The candidates willing to attend the Walk-in-Interview are informed to report at CSIR-NAL (RAB Meeting Complex, National Aerospace Laboratories), Adjacent to SBI, NAL Branch, Kodihalli, Bengaluru - 560017 on the specified date between 8.30 AM to 9.30 AM for registration and verification of documents.

**NOTE:**

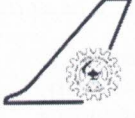
- **No candidates are allowed for registration after 09.30 AM.**
- Candidates who wish to apply for more than one position need to **apply separately for each position.**
- Candidates are informed to bring a copy of Aadhar Card or any Government issue ID Cards with photograph of the applicant and duly filled in application form (available in our website) without fail, along with latest passport size photograph, **original certificates with one set of Xerox copies** (including Caste Certificate, if any, in the proper format issued by the appropriate authority as per the latest instructions issued from time to time on the subject).
- **Preference will be given to those with experience as per the desirable skills and ability to work as a part of a team.**
- *Further, you may have to come with necessary preparations to attend the interview on the next day in the event of your interview is not completed on the indicated day for any reason.*

For further information, please visit: <https://www.nal.res.in>

For any query please contact

 080-25086078, Email: [recruitment@nal.res.in](mailto:recruitment@nal.res.in)

Sd/-Controller of Administration



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Bengaluru - 560017, INDIA

Affix your latest  
passport size  
photograph

**ADVT. No. 10/2024**  
**APPLICATION FORM FOR WALK-IN-INTERVIEW**

DATE: \_\_\_\_\_

1.	Name of the Post applied for	PA-I	PA-II	PAT-I	PAT-I (NET/ GATE)	PAT-II	PA-II (NET/ GATE)	Senior PAT	Principal PAT
2.	Specialization								
3.	Name in full (Block letters)								
4.	Father's / Husband's Name (Block letters)								
5.	Date of Birth (as per X Std. / SSLC Certificate) (DD/MM/YYYY)								
6.	Age								
7.	Sex (Male/Female)								
8.	Nationality								
9.	Category	UR/SC/ST/OBC/EWS/PWD							
10.	Address for Communication with PIN code								
		Mobile No.:							
		E mail ID:							
11.	Permanent Address with PIN code								

**12. Educational Qualification (attach relevant copies)**

Details of Courses and Specialization	Period of Course		Total Marks	Total Marks Obtained	%/ CGPA score	Board/ University/ Institution
	From (MM/YY)	To (MM/YY)				
SSLC / X Std.						
10 + 2 / PUC						
Diploma						
Graduation						
Post-Graduation						
Ph.D						

**13. Details of Employment (in Chronological Order) (attach relevant copies)**

Name of the organization & Place (Please specify whether Central/Govt. /State Govt./Public Sector/Autonomous Body/Private Sector)	Position(s) held	Period		Nature of Work	Gross Pay Scale	Whether working on Regular/ Contractual / Adhoc Basis etc.,
		From (MM/YY)	To (MM/YY)			



14.	Are you having CSIR-UGC NET/GATE Score card?  (If yes, please attach valid score card / certificate)	<b>YES / NO</b>
15.	Any other information	
16.	Particulars of close relatives working in CSIR / CSIR-NAL:  (If yes, please provide following details)	<b>YES / NO</b>
<b>Name</b>		
<b>Designation</b>		
<b>Division</b>		
<b>Relationship</b>		
17.	Are you under any Bond / Contractual obligation to serve Central / State Govt. / PSU / Autonomous or any other body / organization	
18.	Whether dismissed from service from any other institution / office or debarred by the Public Service Commission. If Yes, give details	

- ❖ I hereby declare that all the statements made in this application are true, complete and correct to the best of my knowledge and belief.
- ❖ I understand that in the event of any information being found false or incorrect at any stage, my candidature / appointment shall be liable to be cancelled / terminated summarily without notice or any compensation in lieu thereof.

Place:

Signature:

Date:

Name:

Date: .....

### NO OBJECTION CERTIFICATE

This is to certify that Ms./Smt/Shri.....  
is working as ..... (Designation),  
..... (PA No.) at ..... (Division)  
w.e.f. ....

It is further certified that we have no objection to his/her attending  
interview for the post of ..... at CSIR-NAL against  
Advertisement No..... scheduled to be held during  
..... to ..... . If selected, he/she will be  
relieved within 15 days from the date of his / her resignation.

Signature of the PL/HOD:.....

Name:.....

Designation:.....

Division:.....