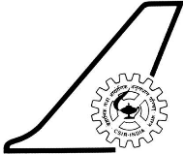


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Council of Scientific and Industrial Research  
**NATIONAL AEROSPACE LABORATORIES**  
P.B. No.1779, HAL Airport Road, Kodihalli, Bengaluru – 560 017

## **Advt. No. 4/2024**

**APPLY OFFLINE ON OR BEFORE 28.03.2024**  
**(Website: [www.nal.res.in](http://www.nal.res.in))**

National Aerospace Laboratories (NAL) is a premier research laboratory under the Council of Scientific and Industrial Research (CSIR). In addition to Research, Development and Technology Programmes in Aerospace, CSIR-NAL is actively involved in supporting the National Aerospace Programmes of ADA, DRDO, ISRO, HAL and IAF. Further, CSIR-NAL has a strong programme in Civil Aviation including the nationally important project of design and development of a multirole Light Transport Aircraft (SARAS Mk2). CSIR-NAL is also exploiting several aerospace technologies into spin-off industrial applications. It has excellent facilities in all the aerospace disciplines.

NAL is looking for engagement of Specialist Consultant for activities of SARAS Mk2 Aircraft.

Interested persons, fulfilling the eligibility criteria may apply in the prescribed proforma together with copies of certificates, testimonials and forward the same to Administrative Officer, CSIR-NAL, Bengaluru. Completed applications in all respects only will be entertained.

**Your selection will be based on the details entered in the Offline Application Form only.**

### **SPECIALIST CONSULTANT FOR STRUCTURE DESIGN OF SARAS MK2 AIRCRAFT:**

**Qualification: B.E/B.Tech (Mechanical/Aerospace/Aeronautical or Equivalent)**

#### **Job Requirements:**

##### **I. Cabin Doors Detail Design and Drawings for SARAS Mk-II**

- a) The Structural Design Consultant should mentor and guide the team to Detail Design & Drawing Creation of Cabin Doors conforming to FAR 23 compliance requirements
- b) The Cabin Doors to be designed are given below:
  1. Cargo Door
  2. Emergency Doors
  3. Bail-out Door
  4. Pax Door
- c) Assist in detail design and help create parts and assembly drawings of door structure and its opening, handle operation, latching and locking mechanisms.
- d) Review of mechanism related to hinges, door locks, handle locks, lift mechanism, Dampener (Weight Compensation) and hand rails to respective cabin doors.
- e) Help the team to identify and analyse critical design drivers and parameters considering aspects like strength, stiffness, damage tolerance, manufacturing, assembly and maintainability for cabin doors
- f) Support the cabin door design team to design considering aspects of tooling, manufacturing, surface protection, maintenance & accessibility considerations

## II. Fuselage Detail Design and Drawing Creation for SARAS Mk-II

- a) Guide in detail design phase airframe components to conform to NAL design manuals and industry standard practices in part and assembly drawings and models in PLM environment
- b) Participate in weight reduction campaign
- c) Guide in arriving at modular design concepts and integration
- d) Guide design teams for compliance requirements and documentation
- e) Support airframe team regarding tooling, manufacturing, assembly, maintenance & accessibility considerations

**Experience** : Minimum 25 years of experience in the airframe detail design, engineering, DFMA concepts and application for transport aircrafts

**Specialisation** : Detail design engineering and drawing creation of civil aircraft cabin doors and fuselage structure

**Duration:** **One year** extendable up to one more year after review by the Competent Authority

**Remuneration:** ₹75,000/- to ₹1,00,000/- per month

**Number of Consultant:** 1 (One)

### **GENERAL CONDITIONS**

1. The Consultant position is open only to Indian Nationals/Overseas citizens of India.
2. The engagement will be in the CSIR - National Aerospace Laboratories (NAL), Bengaluru, under the Council of Scientific & Industrial Research (CSIR) which is an Autonomous Body under Ministry of Science & Technology, Govt. of India.
3. The engagement of Consultant is for temporary duration of one year extendable upto one more year after review by the Competent Authority.
4. Age should not be more than **63 years**, will be reckoned as on last date for receipt of applications.
5. Relaxation: The qualifications, age and experience can be relaxed in the case of exceptionally meritorious candidates with the approval of DG, CSIR/Competent Authority.
6. The period of experience in a discipline/area of work, where prescribed, shall be counted with effect from the date of acquiring the prescribed minimum educational qualifications for the post.
7. As the Screening/Shortlisting of applications will be done on the basis of information furnished through the Offline application form by the applicants, it is necessary that only accurate, full and correct information is furnished by the applicants. Furnishing of wrong/false information will be a disqualification and CSIR-NAL will **NOT** be responsible for any of the consequences of furnishing such wrong/false information.
8. The decision of CSIR-NAL in all matters relating to eligibility, acceptance or rejection of applications, mode of selection will be final and no enquiry or correspondence will be entertained in this connection from any individual or agency on behalf of the candidate.
9. Canvassing in any form and/or bringing in any influence political or otherwise will be treated as a disqualification for the post.
10. In the event of engagement of the Consultant, the Consultant has to execute an agreement in the format on Non-judicial stamp paper.

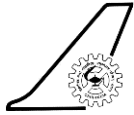
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11. Eligible candidates may download the application form given below (**given at the end of full advertisement**). Application form duly filled in together with recent passport size photograph, copies of matriculation / Degree and above, Experience and certificate with reference to nature of work carried out etc., should be sent in a sealed cover superscribing **“Application for the Specialist Consultant for Structure Design Activities for SARAS Mk2 Aircraft** Advt. No. 4/2024 **ON OR BEFORE 28.03.2024** addressed to:

**The Controller of Administration,  
National Aerospace Laboratories  
P.B.No.1779, HAL Airport Road  
Kodihalli, Bengaluru – 560 017 (Karnataka).**

**INTERIM ENQUIRIES WILL NOT BE ENTERTAINED**

**CONTROLLER OF ADMINISTRATION**



(Council of Scientific and Industrial Research)  
**NATIONAL AEROSPACE LABORATORIES**  
**BENGALURU – 560 017**

Affix a signed  
copy of your  
recent  
passport size  
photograph

### APPLICATION FORM

**IMPORTANT:** This application form duly completed in the candidate's own handwriting or neatly typed must reach **CONTROLLER OF ADMINISTRATION, NATIONAL AEROSPACE LABORATORIES, P.B.No.1779, AIRPORT ROAD, KODIHALLI, BENGALURU - 560017** on or before **28.03.2024**

1. Advertisement No. : 4/2024
2. Post : **SPECIALIST CONSULTANT FOR STRUCTURE DESIGN  
ACTIVITIES OF SARAS MK2 AIRCRAFT**

<b>3. Name of the candidate (in Block Letters)</b>	
4. Sex (Male / Female)	
5. Father's Name	
6. Nationality (mention by birth / domicile)	
7. Present Postal Address (for communication purpose)	<p style="text-align: right;">Pin Code <input type="text"/></p> <p>Tel/Mobile No. _____, E-mail: _____</p>
8. Permanent Address	<p style="text-align: right;">Pin Code <input type="text"/></p> <p>Tel/Mobile No. _____</p>

<b>09. Date of Birth</b> (As per Matriculation / SSLC certificate)		□□	□□	□□□□			
		DAY	MONTH	YEAR			
<b>10. Age</b> (As on the closing date of application)		□□	□□	□□			
		YEARS	MONTH	DAYS			
<b>11. Educational/Professional Qualification etc, commencing from SSC/10<sup>th</sup> Std onwards</b> (Enclose documentary proof)							
Examination Passed	Year of passing	Marks obtained / percentage of marks			Class / Grade obtained	Duration of Degree/ Diploma Course	Board / University / Institution
		Max Marks	Marks obtained	Aggregate %age			
<b>12. Experience:</b>							
Period		Name of Organisation* & Place	Designation/ Post Held	Gross Pay Drawn Rs.	Permanent/ Temp. Post		
From	To						

**Note :** \* Please indicate whether the served Organisation belongs to Govt./ PSU or Pvt. Also enclose copies of certificates/testimonials etc in support of proof of experience.

<b>13. Any other details :</b>
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14. Particulars of close relatives : Name :  
working in NAL, if any Designation :  
Division :  
Relationship :
15. Are you under any bond/contractual obligation to serve Central / State Government / PSU / Autonomous or any other body / organization, YES  NO
16. Whether dismissed from service from any other Institution / Office or debarred by the Public Service Commission, YES  NO  , if yes, give details \_\_\_\_\_  
\_\_\_\_\_

17. ENCLOSURES: (Please tick the appropriate box and arrange the enclosures as per the serial number)

- |  |                          |  |                          |
|--|--------------------------|--|--------------------------|
| 1. SSLC/10 <sup>th</sup> Std Certificate<br>(Proof of DOB) | <input type="checkbox"/> | 5. Community Certificate                 | <input type="checkbox"/> |
| 2. 12 <sup>th</sup> Std. Certificate                       | <input type="checkbox"/> | 6. Experience Certificate                | <input type="checkbox"/> |
| 3. Degree/Diploma  | <input type="checkbox"/> | 7. Knowledge of Computer<br>Applications | <input type="checkbox"/> |
| 4. Degree/Diploma Marks sheets<br>(All semesters/Years)    | <input type="checkbox"/> | 8. Others                                | <input type="checkbox"/> |

## **DECLARATION**

**I hereby declare that the information given above is correct, true to facts and nothing has been concealed / distorted. I am aware that, if at any time I am found to have concealed / distorted any information, my candidature/appointment is liable to be summarily terminated without notice.**

Place: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of the candidate