

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

Advt. No. 1 / 2025, Post No. 2

APPLY OFFLINE ON OR BEFORE 18th March 2025

(Website: 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 many Research, Development and Technology Programs in Aerospace, CSIR-NAL is actively involved in supporting the National Aerospace Programs of ADA, DRDO, ISRO, HAL and IAF. Further, CSIR-NAL has a strong program in Civil Aircraft development the nationally important project of design and development of a multirole Light Transport Aircraft (SARAS Mk2) and the Regional Turbo-Prop Aircraft (RTA). CSIR-NAL is also developing several aerospace technologies into spin-off industrial applications.

NAL is looking for a Specialist Consultant with significant experience in turbo-prop aircraft aerodynamics, flight mechanics and certification with keen insight in problem solving to participate in SARAS Mk II design and development activities.

SPECIALIST CONSULTANT FOR AERODYNAMICS CONFIGURATION OF SARAS MK2 AIRCRAFT

A. Technical Qualification Requirement

Qualification: PhD/ MPhil/ M.E/ M.Tech./ MS in Aircraft Design/Aerospace/Aeronautical Engineering or equivalent.

Specialization: Aircraft design, Aircraft configuration, Aerodynamics, and Design Optimization techniques

B. Experience:

1. At least 20 years of experience in aerodynamic design, sizing of control surfaces, stability and control analyses, high-lift device and drag optimization, wind tunnel testing and data reduction, flying qualities, flight simulation, development and certification flight tests.
2. The consultant should have worked for aircraft OEM of international repute and experienced in providing consulting services in aerodynamic design evaluation.
3. The consultant should be member/associate fellow/fellow of a learned professional body (e.g., AIAA, Royal Aeronautical Society etc.)
4. The consultant should have experience of certifying aircraft to the FAR/CS Part 23 and Part 25 regulations or equivalent and be familiar with the compliance requirements. Any experience as Certification Verification Engineer (CVE) in aircraft projects would be an added advantage

C. Number of posts: ONE

D. Scope of work:

1. Review and provide feedback on the aircraft critical design review (CDR) design documents. Review and provide inputs towards closure of CDR action points.
2. Review of wind tunnel test procedures and data of the aircraft powered model testing: power effects testing, power/ thrust scaling factors, boundary layer tripping and Reynolds number effects.
3. Preparation of wind tunnel test matrix and review of experimental results for the finalized aircraft configuration.
4. Assist in drag optimization studies of SARAS Mk II. Identify potential areas and means for drag reduction.

E. Deliverables:

Consultant is expected to review independently the design and analysis calculations carried out by CSIR-NAL and provide solutions/recommendations to address specific design issues.

F. DURATION OF ENGAGEMENT:

200 hours of consultancy or 12 months from start date whichever is earlier. The hours of consultancy include meeting hours, report review hours and report preparation hours spent by the consultant.

G. Remuneration:

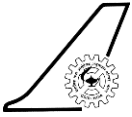
Consolidated pay per month is on par with Industrial Standards & varies with the experience and Specialization in the field. The Payment Cycle is monthly, subject to fulfillment of the deliverables as mentioned in Section D.

GENERAL CONDITIONS:

1. The position offered through this advertisement is temporary and open to individual Specialist Consultant only.
2. The engagement will be for 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. Age of the consultant should not be more than **64 years**. Age will be reckoned as on last date for receipt of applications.
4. Relaxation: The qualifications, age and experience can be relaxed in the case of exceptionally meritorious candidates with the approval of DG, CSIR/Competent Authority.
5. 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.
6. 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.
7. The decision of CSIR-NAL/DG, CSIR 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.
8. Canvassing in any form and/or bringing in any influence political or otherwise will be treated as a disqualification for the post.
9. Selected Consultant has to execute an agreement for the engagement and Non Disclosure Agreement (NDA) in the prescribed format.
10. 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 superscripting **“Application for the Post of Specialist Consultant Advt. No. 1/2025, Post No. 2” ON OR BEFORE 18TH March 2025, Addressed to:**

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

INTERIM ENQUIRIES WILL NOT BE ENTERTAINED



(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, CSIR- NATIONAL AEROSPACE LABORATORIES, P.B.No.1779, HAL AIRPORT ROAD, KODIHALLI, BENGALURU - 560017 on or before **18th March 2025**. **Scanned Copy of Duly filled & signed application along with relevant documents can be sent to E mail: coa@nal.res.in**

1. Advertisement No. : 1 / 2025, Post No. 2
2. Post : **SPECIALIST CONSULTANT**

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

09. Date of Birth (Either passport / Aadhar Card)	<table border="1" style="width: 100%; height: 20px;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> </table>			<table border="1" style="width: 100%; height: 20px;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> </table>			<table border="1" style="width: 100%; height: 20px;"> <tr> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>				
	DAY	MONTH	YEAR								
10. Age (As on the closing date of application)	<table border="1" style="width: 100%; height: 20px;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> </table>			<table border="1" style="width: 100%; height: 20px;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> </table>			<table border="1" style="width: 100%; height: 20px;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> </table>				
	YEARS	MONTH	DAYS								

11. Educational/Professional Qualification etc.

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			

12. Work Experience:

Period		Name of Organisation & Place	Designation/ Post Held	Gross Pay Drawn	Permanent/ Temp. Post
From	To				

::4::

17. Any other details:

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

Check List:

Please tick the appropriate box and arrange the enclosures/information:

Sl. No.	Details	Check Box
1.	Qualifications, Experience, Expertise etc.	<input type="checkbox"/>
2.	Copy of Passport/AADHAAR Card (Personal Details)	<input type="checkbox"/>
3.	Remuneration details (Refer Sl. No. 15 of the application)	<input type="checkbox"/>
4.	Prior assignment reference documents (Refer Sl. No. 12 of the application form)	<input type="checkbox"/>