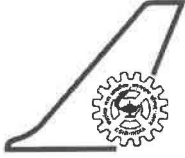


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Council of Scientific and Industrial Research
NATIONAL AEROSPACE LABORATORIES
P.B. No.1779, HAL Airport Road, Kodihalli, Bengaluru – 560 017

Advt. No. 6/2021

APPLY OFFLINE ON OR BEFORE 16.07.2021

(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 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 Consultancy Services for In-house project “Experimental evaluation of Engine Air intake lip deicing mechanisms to suit SARAS Mk2 Aircraft”.

Download the Application form given below and take print out of application, fill all the Columns together with copies of certificates and testimonials etc. and forward the same to Controller of Administration, 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.

CONSULTANCY SERVICES:

Qualification and Experience: PhD in Aerospace Engineering with at least 10 years’ experience in piezo ceramic actuators for vibration control of which at least 3 years should be related to aircraft parts/systems

Essential: The candidate must have successfully executed at least two projects relevant to experimental deicing techniques for aircraft structures.

Duration: One year. The consultant may carry out the assigned scope of work in his own institution but is expected to make 1 or 2 visits per month to NAL for discussions.

Remuneration: Total - Rs. 3.60 Lakhs consolidated (Inclusive of all taxes). First installment of Rs. 1.80 Lakhs will be paid at the end of 6 months on completion of Milestone-1 and submission of report. The Second & Final installment of Rs. 1.80 Lakhs at the end of 12 months on completion of Milestone-2 and submission of final report. TA/DA will not be paid separately for visits to NAL.

Number of Consultant:1 (One)

Scope of Work for Consultancy Services

Milestone -1

- Review of structural and modal simulations for a typical composite aerofoil leading edge with PZT patches to be implemented in the icing chamber.

- Consultancy in specification selection and finalization of PZT patches with suitable PZT power amplifiers based on analytical results and practical feasibility.

Milestone -2

- Review and guidance in DAQ programming for PZT actuation based deicing study.
- Experimental results review and suggestions to meet the expected project outcomes.

Deliverable

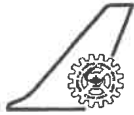
Submit detailed report for each of the above milestones.

GENERAL CONDITIONS:

1. These Consultancy Services are 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 is for temporary duration of one year.
4. Age should not be more than **64 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.
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 Consultancy Services**, Advt. No. 6/2021 **ON OR BEFORE 16.07.2021** 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



(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 THE CONTROLLER OF ADMINISTRATION, NATIONAL AEROSPACE LABORATORIES, P.B.No.1779, AIRPORT ROAD, KODIHALLI, BENGALURU - 560017 on or before 16.07.2021

1. Advertisement No. : **6/2021**
2. Post : **CONSULTANCY SERVICES**
- 3: Division : **PROPULSION DIVISION**

4. Name of the candidate (In Block Letters)	
5. Sex (Male / Female)	
6. Father's Name	
7. Nationality (mention by birth / domicile)	
8. 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: _____
9. 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. _____

10. Date of Birth (As per Matriculation / SSLC certificate)		□□ DAY	□□ MONTH	□□□□ YEAR			
11. Age (As on the closing date of application)		□□ YEARS	□□ MONTH	□□ DAYS			
12. Educational/Professional Qualification etc, commencing from SSC/10th Std onwards (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			
13. Experience:							
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.

14. Any other details :

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

18. ENCLOSURES: (Please tick the appropriate box and arrange the enclosures as per the serial number)
- | | | | |
|--|--------------------------|--|--------------------------|
| 1. SSLC/10 th Std Certificate
(Proof of DOB) | <input type="checkbox"/> | 5. Community Certificate | <input type="checkbox"/> |
| 2. 12 th Std. Certificate | <input type="checkbox"/> | 6. Experience Certificate | <input type="checkbox"/> |
| 3. Degree/Diploma | <input type="checkbox"/> | 7. Knowledge of Computer
Applications | <input type="checkbox"/> |
| 4. Degree/Diploma Marks sheets
(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

