



***Closing Date for Registration of Application on ADA web-site: 30/09/2018***

***Online application is mandatory***

***[www.ada.gov.in](http://www.ada.gov.in)***

**Advt. Ref : ADA:ADV-110:2018**

**28/08/2018**

ADA is an Autonomous Organization under the Department of Defence Research & Development, Ministry of Defence (MOD), Government of India, entrusted with the design & development of both the Air Force and Naval versions of Light Combat Aircraft (LCA). LCA Programme is a prestigious National Programme with more than 100 major work centres in India contributing to this Programme and the Programme is in an advanced stage. ADA is also entrusted with the design and development of other advanced projects of Government of India, providing challenging and excellent working environment. ADA has advanced and sophisticated facilities for Aircraft Design activities providing excellent growth potential.

ADA invites on-line applications for **SCIENTIST/ENGINEER** posts in various disciplines of Engineering for Design, Development, Testing & Evaluation of various Systems / Sub-systems and Project Management from suitable Scientists and Technologists from Universities, Institutes of Technology, Research Institutions, Public Sector Undertakings and other non-Government bodies in India or abroad or Central or State Government Departments possessing the required qualifications and experience.

The advertisement notification is divided into various sections for easy reference and understanding which will help in registration of application on ADA web site:

- I. Educational qualifications and Experience, Number of posts, pay etc.
- II. Perquisite & Allowances
- III. Minimum Essential Experience & Age Limits for Direct Recruitment:
- IV. Weightage for experience
- V. General Instructions
- VI. How to apply, uploading of certificates, candidate photo etc.
- VII. Guidelines for registration of application on-line.
- VIII. Checklist



(I) Details of the required number of posts, pay & allowances, educational qualifications and nature of experience essential / desired :

**(A) Post: Scientist/Engineer 'D' Total No. of Post(s): 02**

**Minimum Basic Pay : Rs.78,800/- in Level-12 (Rs.78,800 - 2,09,200) of Pay Matrix**

Post Serial No.	No. of Post(s)	Educational Qualification required	Nature and area of Experience required
1	1	<p><b>Essential:</b> At least First Class Bachelor's Degree in Engineering / Technology in Mechanical / Aeronautical / Aerospace Engineering only from a recognized University</p> <p><b>Desirable:</b> Master's Degree in Engineering / Technology in Mechanical Engineering (with specialization in Machine Design) / Aeronautical / Aerospace Engineering.</p>	<p><b>Essential:</b> Experience required in Design of aircraft involving basic aerodynamics, inboards &amp; mass property studies with a minimum of seven years experience in working with CATIA V5 R19 and above in the following CATIA workbenches :</p> <p>(a) Mechanical Design (part, assembly etc)</p> <p>(b) Shape (Generative shape design, free style surfacing, ICEM shape design Aeroexpert, free style optimizer (for generating numerical master geometry for aircraft).</p> <p>(c) Kinematics simulator in CATIA and design of kinematic mechanisms for Landing Gears, doors and control surfaces for aircraft.</p> <p>(d) Computation of geometrical properties of aircraft configuration and interpretation.</p> <p><b>Desirable:</b> Experience in one or more of the following areas:</p> <p>(a) Working with PLM environment.</p> <p>(b) Familiarity with various Military standards and practices.</p>



Post Serial No.	No. of Post(s)	Educational Qualification required	Nature and area of Experience required
2	1	<p><b>Essential:</b></p> <p>At least First Class Bachelor's Degree in Engineering / Technology in Mechanical / Aeronautical / Aerospace Engineering only from a recognized University</p> <p><b>Desirable:</b></p> <p>Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University.</p>	<p><b>Essential:</b> A Minimum of Seven years experience required in <b>Aircraft Systems</b> such as Hydraulic System, Landing Gear System, Secondary power System or Fuel System in the following areas :</p> <p>(a) Design and development in one or more of the above aircraft systems</p> <p>(b) Design, development, ground testing and flight testing in one or more of above mentioned aircraft systems and its associated components.</p> <p>(c) Co-ordination with certifying agency for Certification of the above mentioned aircraft Systems and its associated components.</p> <p><b>Desirable :</b> Experience in one or more of the following areas :</p> <p>(a) Design and development of aircraft hydraulic system and its associated components.</p> <p>(b) 3D modelling (CATIA / equivalent), CFD (fluent/equivalent) and fluid system simulation software (Dymola/equivalent)</p> <p>(c) Systems Engineering in design &amp; development of aircraft systems.</p>



**(B) Post: Scientist/Engineer 'C' No. of Post(s): 05**

**Minimum Basic Pay of Rs.67,700 in Pay Level – 11 (67,700-2,08,700) of Pay Matrix**

Post Serial No.	No. of Post(s)	Educational Qualification required	Nature and area of Experience required
3	1	<p><b>Essential:</b> At least First Class Bachelor's Degree in Engineering / Technology in Mechanical / Aeronautical / Aerospace/ Engineering only from a recognized University</p> <p><b>Desirable:</b> Master's Degree in Engineering / Technology in any of the above mentioned disciplines</p>	<p><b>Essential:</b> A Minimum of three years experience is required in one or more of the following areas :</p> <p>(a) Functioning of Mechanical systems of aircraft, inboards arrangements based on various stringent requirements like functional positioning, accessibility, maintainability, safety, space management, etc.</p> <p>(b) Estimation of mass properties for aircraft and its interpretation with respect to aircraft performance.</p> <p>(c) CATIA V5 R19 and above in the following CATIA workbenches.</p> <p>(i) Product Structure</p> <p>(ii) Mechanical Design (Part, Assembly, Sketcher, Drafting, etc)</p> <p>(iii) Kinematics simulator in CATIA, designing of mechanisms for movable parts like doors, control surfaces, understanding of structural interfaces for actuator support.</p> <p><b>Desirable:</b></p> <p>(a) Experience in working with PLM Environment.</p> <p>(b) Kinematic Design of Landing gear retraction mechanism.</p> <p>(c) Familiar with various Military standards and practices.</p>

Post Serial No.	No. of Post(s)	Educational Qualification required	Nature and area of Experience required
4	1	<p><b>Essential:</b> At least First Class Bachelor's Degree in Engineering / Technology in Electronics &amp; Telecommunication / Electronics &amp; Communication / Electrical &amp; Electronics / Computer Science / Computer Engineering / Computer Science &amp; Engineering only from a recognized University.</p> <p><b>Desirable:</b> Ph D in Engineering with specialization in Electronics &amp; Telecommunication / Electrical Communication or Computer Science.</p> <p style="text-align: center;"><b>OR</b></p> <p><b>Desirable:</b> Master's Degree in Engineering / Technology in Electronics &amp; Communication / Electronics &amp; Telecommunication / Electrical Communication / Electrical &amp; Electronics / Computer Science / Computer Engineering / Computer Science &amp; Engineering.</p>	<p><b>Essential:</b> A Minimum of three years experience required in one or more of the following areas :</p> <p>(a) Prediction of Radar Cross Section (RCS) through numerical simulation &amp; analysis of multi-scale electromagnetic geometries on parallel computers and comparing with experimental data.</p> <p>(b) Electromagnetics and Numerical Techniques.</p> <p>(c) Fast broadband electromagnetic simulation using techniques based on theory like Method of Moments, Fast Multipole.</p> <p>(d) Method or FVTD CEM methods.</p> <p>(e) Design of Electrically Small Antennas, Radio Frequency Integrated Circuits and Systems.</p> <p><b>Desirable:</b> Work experience in the area(s) related to Radar Absorbent Structures/Material/Paint Development.</p>

Post Serial No.	No. of Post(s)	Educational Qualification required	Nature and area of Experience required
5	1	<p><b>Essential:</b> At least First Class Bachelor's Degree in Engineering / Technology in Mechanical / Aeronautical / Aerospace Engineering only from a recognized university.</p> <p><b>Desirable:</b> Master's Degree in Engineering / Technology from a recognized university in any of the disciplines as mentioned above.</p>	<p><b>Essential:</b> A minimum of three years experience required in one or more of the following areas:</p> <p>(a) Detail design of Airframe structures for both metallic and composite materials.</p> <p>(b) Design automation using parametric CAD design along with Usage of CAD tools like CATIA V5 &amp; V6 or Pro-Engineer or Unigraphics for the creation of 3D structural layouts, 2D manufacturing drawings and its associated documents.</p> <p>(c) Design for Manufacturing and Assembly, GD&amp;T (Geometric Dimensioning &amp; Tolerancing), Tolerance Analysis, Design hand calculations, etc.</p> <p><b>Desirable:</b> Experience in one or more of the following areas:</p> <p>(a) Experience in design with model based definition philosophy and other advanced design practices.</p> <p>(b) Work experience in aero-elasticity.</p>

Post Serial No.	No. of Post(s)	Educational Qualification required	Nature and area of Experience required
6	1	<p><b>Essential:</b> At least First Class Bachelor's Degree in Engineering / Technology in Mechanical / Electrical / Electronics / Instrumentation / Control / Electrical &amp; Electronics / Electronics &amp; Instrumentation / Instrumentation &amp; Control Engineering only from a recognised university</p> <p><b>Desirable:</b> Master's Degree in Engineering / Technology in any of the disciplines as mentioned above. from a recognised university</p>	<p><b>Essential:</b> A minimum of three years experience required in one or more of the following areas:</p> <p>(a) Aircraft systems, system testing and qualification aspects, Hardware in Loop evaluation of FCS</p> <p>(b) Aircraft certification</p> <p>(c) Automation of FCS evaluation</p>
7	1	<p><b>Essential:</b> At least First Class Bachelor's Degree in Engineering / Technology in Computer Science / Computer Engineering / Computer Science &amp; Engineering only from a recognized University.</p>	<p><b>Essential:</b> A minimum of Three years experience required in the following areas under Avionics Domain :</p> <p>(a) Embedded and avionics software design and development using ADA / 'C' language</p> <p>(b) Standards like 2167A, IEEE 12203, DO-2167A and DO-178B/C.</p> <p>(c) protocols such as 1553B and RS422</p> <p>(d) complete software development life cycle (SDLC).</p> <p>(e) tools like rationale suite, LDRA etc.</p> <p>(f) Software debugging and debugging tools.</p>

**Note :** Refer para IV on 'Weightage for higher qualification / work experience'

**(II) Perquisite & Allowances:** In addition to Basic Pay, ADA scientists are entitled for Dearness Allowance, House Rent Allowance in lieu of Government accommodation; transport



Allowance, Children Education Allowance, etc. as admissible to Central Government employees. Perquisite like Leave Travel Concession, Medical facilities, Advance for PC is also admissible.

**(III) Minimum Essential Experience & Age Limits for Direct Recruitment:**

Post	Min No. of years of Experience required in the relevant field	Age as on closing date for online registration of applications
Scientist/ Engineer `D'	7 years	40 years
Scientist / Engineer `C'	3 years	35 years

**(IV) Weightage:** Weightage will be given based on the following conditions:

- Weightage given in the required area of experience and in the relevant discipline only.
- Weightage for higher qualification is equated to research experience and given as :
  - Post Graduate Qualification in Engineering: 2 years of weightage
  - Doctorate Degree in Engineering: 4 years of weightage.
- In case of candidate(s) possessing both (a) & (b) above, weightage of higher degree only will be given.
- Maximum weightage upto 3 years only will be given for the work experience as Research Fellow / Research Associate / Project Assistant etc and in case of such candidate(s) possessing ME/M.Tech degree, weightage of one year only will be given for experience.**
- The period of study does not overlap with work experience.

**(V) General Instructions**

- Please read the Guidelines and Instructions carefully and follow the same before filling the on-line application form
- Only Indian Nationals need apply.
- First Class in Bachelor's Degree in Engineering/Technology from a recognized University is mandatory.** No rounding off of marks is permitted. Candidates should be in possession of First class degree certificate awarded by the university at the time of submitting the application. Provisional Degree certificate will be accepted only from the candidates who have passed-out in the previous year.
- The applicants should ensure that they satisfy the eligibility criteria as on the closing date of online registration. The prescribed Essential Qualifications and Experience are bare minimum and mere possession of the same does not entitle candidates to be called for the interview. **Experience in Aeronautical / Aerospace industry is desirable for all the posts.**





5. Educational qualifications and experience are two separate items of requirements. Candidates should possess the prescribed essential experience in the relevant fields as mentioned under the column 'Nature and area of experience'. **The prescribed experience should have been obtained by the candidate after acquiring the prescribed educational qualifications.**

6. The applications will be screened by a Committee on the basis of educational qualifications, experience at suitable level, professional achievement, aptitude for design, development, management skills and personal qualities and strength of the candidates. The candidates should therefore mention all qualifications / experience / achievements / specialization etc. in relevant field including those over and above the minimum qualifications. The appointment will be subject to the completion of formalities like medical examination prescribed for Group 'A' technical posts of Government of India with field service liability and character verification etc. besides verification of SC/ST/OBC/PH (with minimum 40% disability) certificates wherever applicable.

7. The period of training/apprenticeship or part time/casual/per-diem employment / guest or visiting faculty will not be counted as work experience.

8. One set of copies of the self-attested certificates in proof of qualifications and experience should be brought at the time of interview along with the application form; however, candidates will be required to produce all original certificates for verification.

9. The upper age limit as on closing date is relaxable upto 5 years for serving Central Civilian Govt. employees working in posts which are in the same line or allied cadres and where a relationship could be established that, the service already rendered in a particular post will be useful for the efficient discharge of the new post for which the recruitment has been advertised and decision in this regard will rest with ADA. The upper age limit as on closing date is relaxable for physically handicapped persons, ex-serviceman (including those due for release within one year of the closing date of advertisement) / ex-SSC officers as per rules.

10. The selected candidates will be required to resign from the previous organization and will not be permitted to join ADA on lien / deputation basis and their career will start afresh in ADA from the date of joining.

11. All candidates whether in Government service or in Government owned organizations in regular service whether in permanent or temporary capacity apart from submission of their application online (ADA web-site), are required to :

(a) **upload a signed declaration** as per format given on ADA web site (as Annexure-I) that they have informed, in writing, to their Cadre Controlling Authority (CCA) that they have applied for the post in ADA and

(b) **forward their application through proper channel** with **"No Objection Certificate"** from their CCA as per format available on ADA web site (Annexure-II) to



**'Chief Administrative Officer', Aeronautical Development Agency, Vibhuthipura, Marathahalli Post, Bangalore-560 037.**

(c) All applications with NOC forwarded through proper channel should reach ADA **within two weeks from the closing date of the advertisement.** No interview will be conducted for those candidates for whom the application through proper channel / NOC from their CCA is not received within the stipulated time.

12. Date for determining the eligibility of all candidates in every respect shall be the prescribed closing date for submission of on-line application under this Advt. The applicants are advised to fill in all their particulars in the on-line application (ADA web-site) carefully as submission of wrong/incomplete information may lead to rejection through computer based shortlisting.

13. **Existing Scientists/Engineers employed in ADA on a regular basis need not apply.**

14. **Warning** - Candidates will be shortlisted for interview on the basis of the information provided by them in their on-line application. They must ensure that such information is true and correct. If at any subsequent stage or at the time of interview, any information given by them or any claim made by them in their on-line application is found to be false, their candidature will be liable to be rejected and they may be debarred either permanently or for a specified period by ADA for future selection/activities.

15. Selected candidates may be posted anywhere in India if considered necessary.

16. Selected candidates will be governed by the 'National Pension System'(NPS) applicable to Central Govt. employees appointed on or after 01.01.2004.

17. Candidates applying for more than one post should submit separate online application form along with all required documents.

18. The number of vacancies indicated above is tentative and may vary.

19. The decision of ADA in all matters relating to eligibility, acceptance or rejection of application shall be final and no enquiry or correspondence will be entertained in this connection from any individual or his/her agency.

20. Canvassing in any form will be treated as disqualification.

21. Genuine queries if any, regarding the advertisement, should be sent by e-mail only to [admin-hr@jetmail.ada.gov.in](mailto:admin-hr@jetmail.ada.gov.in). **No query asking for advice as to eligibility will be entertained.**

22. Applications/Registrations received after the closing date or otherwise incomplete shall not be considered. No correspondence in this regard will be entertained.

23. Please refer to the guidelines and general conditions before on-line registration of application.



**(VI) How to apply/ upload certificates /candidate photo :**

1. Candidates are required to register their applications online only on ADA website [www.ada.gov.in](http://www.ada.gov.in)
2. **Registration of applications on ADA website will be accepted from 31<sup>st</sup> August 2018 onwards and close on 30<sup>th</sup> September 2018.** The candidates are advised to submit the online application well in advance without waiting for the last date.
3. The candidates are required to upload mandatorily the following :
  - (a) Scanned recent color photograph of size 110Wx140H px (Image JPG). **(file size should not exceed 30KB)**
  - (b) Scanned legible copies of Degree Certificate (s) and all the Experience Certificates each as a separate **PDF file not greater than 500 Kbyte.**
  - (c) Marks sheet of BE/B.Tech degree should be uploaded only when FIRST class is not mentioned in the degree certificate.
  - (d) Caste/Disability certificate in case of candidates belonging to SC/ST/OBC/PH Category.
  - (e) Discharge / Release certificate in case of candidates belonging to 'retired Armed Forces Personnel' category.
4. Application received through any other mode would not be accepted and will be summarily rejected.
5. Candidates are **not required** to submit the print out of application by post. However, candidates working in Government / Public Sector Undertakings, Autonomous organizations / Joint Venture / Armed Forces must apply as mentioned in para V 11(a) on General Instructions.

**(VII) Guidelines in brief for registration of application on-line.**

1. Log on to [www.ada.gov.in](http://www.ada.gov.in) to fill the online application form. **The application form will function only with Mozilla Firefox and Google Chrome web browsers** only and will not work in Internet Explorer web browser. The link would display the details of the vacancies along with different links. The first step is "**Registration**". It is mandatory to register.
2. On successful registration you will get a login ID and an SMS on the mobile number mentioned during registration. Candidates are advised to carefully note the allotted login ID. You may log in anytime before the closing date of the advertisement to complete the online application form submission process using login id and your date of birth. Click on "**Forgot Login**" and follow the steps to retrieve lost login id.



3. Online application form is spread over following sections viz. **1. Basic, 2. Personal, 3. Educational, 4. Training, 5. Employment, 6. Others, 7. Documents and 8. Lock** designed to capture candidates' information each section will have "**Save**" button for storing the data given in that section. Details can also be filled in multi-session after Registration.
4. A section heading will depict Green underline once it is completely filled and saved whereas incomplete sections shall remain marked with Red underline.
5. Date for determining the eligibility of all candidates in every respect shall be the closing date for submission of on-line application.
6. The applications will be screened by a Committee on the basis of educational qualifications, experience at suitable level, professional achievement, aptitude for design, development, management skills and personal qualities and strength of the candidates. The candidates should therefore mention all qualifications / experience / achievements/ specialization etc. in relevant field including those over and above the minimum qualifications.

**Please refer to ADA web site [www.ada.gov.in](http://www.ada.gov.in) for detail guidelines.**

#### **(VIII) CHECKLIST**

**Please ensure that you have:**

1. Uploaded scanned recent color photograph. [please refer Para VI 3(a)]
2. Uploaded scanned copies of the requisite certificates [please refer Para VI 3(b & c)]
3. Correctly indicated the post code, subject and the post applied for.
4. Uploaded requisite caste/disability certificate in case you belong to SC/ST/OBC/PH Category. [please refer Para VI 3 (d)]
5. Uploaded release certificate in case you are a retired Armed Forces Personnel. [please refer Para VI 3 (e)]
6. Informed the Cadre Controlling Authority (CCA) and applied for NOC as stated in Para V (11)
7. Retained the photocopy of the filled application form and advertisement.

**Chief Admin Officer  
ADA**

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