



Online application is mandatory

ADA Web Site: <https://www.ada.gov.in>
RAC Web Site: <https://rac.gov.in>

Advt. Ref No. : ADA:ADV-123

30th June 2023

Date of opening of application registration on ADA web site: **10 AM onwards from 11th August 2023**
Closing Date: **08th September 2023 (1600 hrs)**

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 (Tejas) and LCA Mark-II. ADA has also taken up the design of Advanced Medium Combat Aircraft (AMCA) and Twin Engine Deck Based Fighter (TEDBF) as well as other advanced technology developmental projects of Government of India.

2. ADA invites applications from young, dynamic and meritorious Indian nationals for the post of 'PROJECT ENGINEER' (PE) on 'DEFINED LIMITED TENURE BASIS' in various disciplines of Engineering for Design, Development, Testing & Evaluation of various Systems/Sub-systems and Project Management from Institutes of Technology, Research Institutions, Public Sector Undertakings and other non-Government bodies or Central (including serving / retired officers of Defence Forces) and State Government Departments having the required qualification, experience and age.

3. Details on Consolidated remuneration, vacancy, Essential requirements, Nature & Area of experience required and age etc. are as given below:

(A) Minimum No. of years of experience, Consolidated remuneration per month and vacancies existing in various level of Project Engineers (PE) are:

| Post/ PE Level | Minimum Experience required | Consolidated remuneration per month (Rs.) | Vacancy |
|------------------------|-----------------------------|---|-----------|
| PE-1 | 2 years | 50,000 + Dearness Allowance* | 40 |
| PE-2 | 4 years | 60,000 + Dearness Allowance* | 9 |
| PE-3 | 8 years | 70,000 + Dearness Allowance* | 4 |
| Total Vacancies | | | 53 |

* Dearness Allowance is payable on the consolidated remuneration at the rate of 50% (Fifty Percent) of DA as announced by Central Government for its employees from time to time (e.g. if DA as announced by Central Government for its employees is 40%, then DA applicable to Project Engineers will be 20%).

Level : PROJECT ENGINEER-1 (PE-1) NUMBER OF VACANCIES IN THIS LEVEL-40 (Post SI No.01 to 25)

| Post SI.No | Essential Requirements | Nature and area of Experience required | No. of Vacancies | | | | | |
|------------|---|--|------------------|----|----|-----|-----|-------|
| | | | UR | SC | ST | OBC | EWS | Total |
| 1 | <p>Essential : i) At least a First class Bachelor's Degree in Mechanical Engineering or Production Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in the relevant fields of above from a recognized University.</p> | <p>Essential : Minimum 2 years' experience in one or more of the following areas:</p> <p>(a) Preparation of aircraft structural layouts.</p> <p>(b) CAD modeling & drawings preparation using CATIA / Unigraphics.</p> <p>Desirable: (a) Preparation of DMU and kinematic analysis using CATIA / Unigraphics. (b) Experience of Geometric Dimension & Tolerance and Quality procedures, Jigs & fixtures.</p> | 1 | | | 1 | | 2 |

| Post Sl.No | Essential Requirements | Nature and area of Experience required | No. of Vacancies | | | | | |
|------------|---|---|------------------|----|----|-----|-----|-------|
| | | | UR | SC | ST | OBC | EWS | Total |
| 2 | <p>Essential : i) At least a First class Bachelor's Degree in Mechanical Engineering or Production Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in the relevant fields of above from a recognized University.</p> | <p>Essential :</p> <p>Minimum 2 years' experience in one or more of the following areas:</p> <p>(a) Manufacturing processes of structural parts.</p> <p>(b) Assembly procedures for jigs & fixtures.</p> <p>Desirable :</p> <p>(a) Manufacturing of Metallic & Composite structural with Geometric Dimension & Tolerance parts.</p> <p>(b) Experience in tools, jigs & fixtures. Tolerance stack-up Analysis.</p> <p>(c) Familiarity with Ground testing of aircraft structural assemblies and knowledge of preparing test schedules & test reports. Knowledge of Quality procedures.</p> | | 1 | | | | 1 |
| 3. | <p>Essential : i) At least First class Bachelor's Degree in Engineering / Technology in Mechanical / Production / Industrial Production Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University.</p> | <p>Essential :</p> <p>Minimum 2 years' experience in the following areas:</p> <p>Design & Manufacturing of polymer reinforced composites testing & CAD modeling.</p> <p>Desirable:</p> <p>(a) Drawings preparation using CATIA / Unigraphics. Aircraft structural assembly procedures.</p> <p>(b) Design for Manufacturing & Assembly, Design of Jigs & Fixtures.</p> | 1 | | | | 1 | 2 |
| 4. | <p>Essential : i) At least First class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in Mechanical Engineering only with specialization in Machine Design from a recognized University.</p> | <p>Essential :</p> <p>Minimum 2 years' experience in the following areas:</p> <p>Stress analysis using FE software like HYPERMESH/NASTRAN / PATRAN.</p> <p>Desirable : Good knowledge in theory of finite elements, strength of materials /aircraft structures.</p> | 1 | 1 | | | | 2 |

| Post Sl.No | Essential Requirements | Nature and area of Experience required | No. of Vacancies | | | | | |
|---------------|--|---|------------------|----|----|-----|-----|-------|
| | | | UR | SC | ST | OBC | EWS | Total |
| 5. | <p>Essential : i) At least First class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University.</p> | <p>Essential :Minimum 2 years' experience in one or more of the following areas:</p> <p>(a) Conducting vibration tests (such as Ground vibration test and modal test).</p> <p>(b) Flutter analysis using FE Softwares.</p> <p>(c) Dynamic Analysis using MATLAB.</p> <p>(d) Vibration measurements and testing.</p> | 1 | | | | | 1 |
| 6. | <p>Essential: i) At least First class Bachelor's Degree in Engineering / Technology in Aeronautical/ Aerospace Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> | <p>Essential :Minimum 2 years' experience in one or more of the following areas:</p> <p>(a)Experimental Aerodynamics.</p> <p>(b) Computational Aerodynamics.</p> <p>(c) Aircraft Performance.</p> <p>(d) Flight Mechanics.</p> | 1 | | | 1 | | 2 |
| 7. | <p>Essential: i) At least First class Bachelor's Degree in Engineering / Technology in Electronics / Electronics & Communication / Electronics & Tele-communication / Electronics & Electrical Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University.</p> | <p>Essential :Minimum 2 years' experience in one or more of the following areas:</p> <p>(a) FPGA / SOC based Embedded system design and RTL programming.</p> <p>(b) C/C++ Embedded Systems Software development, Testing and verification.</p> <p>(c) PCB Design and Analysis.</p> <p>Desirable: Ethernet protocols, Network Attached Storage (NAS), Network File System (NFS), Digital Video Recorders, ARINC 661 /ARINC-615 Runtime protocol, SCADE/VAPS-XT, Video and data compression algorithms (H.264).</p> | | | 1 | | | 1 |
| 8. | <p>Essential :i) At least First Class Bachelor's Degree in Engineering / Technology in Computer Science / Computer Science & Engineering / Information Technology / Information Science Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University.</p> | <p>Essential :Minimum 2 years' experience in one or more of the following areas:</p> <p>(a) Avionics Buses and Protocols (Mil-Std-1553B std, Ethernet, RS422 etc.).</p> <p>(b) Development of Avionics Software using C/ C++ / Ada83/95 languages.</p> <p>Desirable: IEEE-12207, CASE tools like Rhapsody, Rational Rose, and Doors NG, any Real Time OS, device drivers software.</p> | 2 | | | 1 | | 3 |

| Post Sl.No | Essential Requirements | Nature and area of Experience required | No. of Vacancies | | | | | |
|------------|---|--|------------------|----|----|-----|-----|-------|
| | | | UR | SC | ST | OBC | EWS | Total |
| 9. | <p>Essential: i) At least First Class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized university.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in Mechanical Engineering only from a recognized university.</p> | <p>Essential :Minimum 2 years' experience in one or more of the following areas:</p> <p>(a) Design, development & testing of mechanical systems.</p> <p>(b) Evolving technical specifications, test schedules, test plan for mechanical systems.</p> <p>(c) System integration testing.</p> | 1 | | | | | 1 |
| 10. | <p>Essential : i) At least First Class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized university</p> <p>ii) Min. of 2 years' experience</p> | <p>Essential :Minimum 2 years' experience in one or more of the following areas:</p> <p>(a) Design of Mechanical System and sub-system of a combat Aircraft.</p> <p>(b) Functionality/ design/ integration/ manufacturing aspects of Auxiliary Power Systems.</p> <p>(c) Gear Box Design.</p> | 1 | | | | | 1 |
| 11. | <p>Essential: i) At least First Class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized university.</p> <p>ii) Min. of 2 years' experience</p> | <p>Essential :Minimum 2 years' experience in one or more of the following areas with using CATIA, ANSYS-Fluent & System Simulation Software :</p> <p>(a) Design & Development of Refrigeration & Air Conditioning System.</p> <p>(b) Centrifugal pump working principles and its applications.</p> <p>(c) Manufacturing, testing and certification process.</p> <p>Desirable : System engineering in design and development of Air conditioning systems.</p> | | 1 | | | | 1 |
| 12. | <p>Essential: i) At least First class Bachelor's Degree in Engineering / Technology in Mechanical/ Aeronautical /Aerospace Engineering or equivalent from a recognized university.</p> <p>ii) Min. of 2 years' experience</p> | <p>Essential : Minimum 2 years' experience in design & development of aircraft mechanical systems and its associated components.</p> | | | 1 | | | 1 |

| Post Sl.No | Essential Requirements | Nature and area of Experience required | No. of Vacancies | | | | | | |
|---------------|---|--|------------------|----|----|-----|-----|-------|---|
| | | | UR | SC | ST | OBC | EWS | Total | |
| 13. | <p>Essential: i) At least First Class Bachelor's Degree in Engineering / Technology in Computer Science/Computer Technology / Computer Science & Engineering / Information Technology / Information Science Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> | <p>Essential: Minimum 2 years' experience required in two or more of the following areas :</p> <p>(a) Data center. (b) Server administration. (c) HPC system administration. (d) NAS/SAN admin. (e) Virtualization technologies.</p> | 1 | | | | | | 1 |
| 14. | <p>Essential: i) At least First Class Bachelor's Degree in Engineering / Technology in Electrical / Electronics / Instrumentation/ Electrical & Electronics / Electronics & Instrumentation / Electronics & Communication / Instrumentation & Control Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University.</p> | <p>Essential: Minimum 2 years' experience required in Design & Development of Flight Control / Test Systems.</p> | 2 | 1 | 1 | | | | 4 |
| 15. | <p>Essential: i) At least First Class Bachelor's Degree in Engineering / Technology in Mechanical / Aeronautical / Aerospace Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University.</p> | <p>Essential: Minimum 2 years' experience required in Design & Development of Flight Control / Test Systems.</p> | 1 | | | 1 | | | 2 |

| Post Sl.No | Essential Requirements | Nature and area of Experience required | No. of Vacancies | | | | | |
|------------|---|---|------------------|----|----|-----|-----|-------|
| | | | UR | SC | ST | OBC | EWS | Total |
| 16. | <p>Essential: i) At least First class Bachelor's Degree in Engineering/Technology in Electronics & Communication / Electrical & Electronics / Electronics & Telecommunication / Electronics & Instrumentation / Instrumentation from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University.</p> | <p>Essential :Minimum 2 years' experience in Test and Evaluation of embedded software, developed using standards such as DO-178B, IEEE 12207, and DOD-2167A etc.</p> <p>Desirable : Experience in performing IV&V/SQA, protocols like MIL-STD-1553B/RS422/ ARINC 429/ ARINC 653, C Language, Testing tools like LDRA/RTRT.</p> | | 1 | | 1 | | 2 |
| 17 | <p>Essential: i) At least First class Bachelor's Degree in Engineering Computer Science / Computer Technology / Information Science / Information Technology Engineering.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University.</p> | <p>Essential :Minimum 2 years' experience in verification & validation of software developed using standards such as DO-178B, IEEE 12207, and DOD-2167A etc.</p> <p>Desirable : Experience in performing IV&V/SQA, C/C++/UML/Python Languages, Testing tools like LDRA/RTRT.</p> | 1 | | | | | 1 |
| 18 | <p>Essential: i) At least First class Bachelor's Degree in Engineering / Technology in Computer Science /Information Science / Information Technology / Computer Technology from a recognized University ii) Min. of 2 years' experience</p> <p>Desirable : Master's Degree in Engineering /Technology in any of the discipline as mentioned above from a recognized University.</p> | <p>Essential: Minimum 2 years' experience in the following areas: Software Design, Development using ADA / 'C' language</p> <p>Desirable : (a) knowledge of standards like 2167A, IEEE 12203, DOD-2167A and DO-178B/C. (b) knowledge of 1553B and RS422 protocols. (c) knowledge in testing of tools like rationale suite, LDRA tool.</p> | 1 | | | 1 | 1 | 3 |

| Post Sl.No | Essential Requirements | Nature and area of Experience required | No. of Vacancies | | | | | |
|------------|--|---|------------------|----|----|-----|-----|-------|
| | | | UR | SC | ST | OBC | EWS | Total |
| 19 | <p>Essential: i) At least First class Bachelor's Degree in Engineering / Technology in Mechanical Engineering from a recognized University</p> <p>ii) Min. of 2 years' experience</p> | <p>Essential: Minimum 2 years' of experience in CAD software tools like CATIA.</p> <p>Desirable :</p> <p>(a) Candidate should have good knowledge of advance surface geometry creation. Experience in the area of methods planning / tooling will be added advantage.</p> <p>(b) Experience in the areas of space reservation for Electrical looming/ tubing / piping.</p> | 1 | | 1 | | | 2 |
| 20 | <p>Essential: i) At least First class Bachelor's Degree in Engineering / Technology in Aeronautical / Aerospace Engineering from a recognized University</p> <p>ii) Min. of 2 years' experience</p> | <p>Essential: Minimum 2 years' of experience in one or more of the following areas : (a) CFD / Meshing software tools like Ansys Fluent, CFD++, ICEM CFD.</p> <p>(b) Experience in the areas of aircraft design, external aerodynamics CFD simulation.</p> <p>Desirable: Good knowledge of wind tunnel testing, performance calculation, Intake design and simulation.</p> | | 1 | | 1 | | 2 |
| 21 | <p>Essential: i) At least First class Bachelor's Degree in Engineering / Technology in Mechanical Engineering from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> | <p>Essential: Minimum 2 years' of experience in Systems simulations. Experience in the areas of Hydraulics / Pneumatics /Multibody dynamics modeling & simulation using tools like MATLAB-Simulink/DYMOLA /ADAMS/ FLOWMASTER etc.</p> <p>Desirable: Candidate having good knowledge of CAD tools like CATIA, Coupled simulations like Fluid Structure Interaction, CFD-Systems, FE-Systems simulation tools will be added advantage.</p> | 1 | | | | | 1 |
| 22 | <p>Essential : i) At least First class Bachelor's Degree in Engineering / Technology in Mechanical Engineering from a recognized University</p> <p>ii) Min. of 2 years' experience</p> | <p>Essential :Minimum 2 years' of experience in one or more of the following areas :</p> <p>(a) FE analysis/ meshing tools.</p> <p>(b) Experience in the areas of FE analysis of aircraft part using tools like NASTRAN /PATRAN /ABAQUS /LSDYNA/ANSYS.</p> <p>Desirable: (a) Candidate having good knowledge of CAD tools like CATIA will be added advantage.</p> <p>(b) Good knowledge on design hand calculations and analytical methods.</p> | 1 | | | | | 1 |



| Post Sl.No | Essential Requirements | Nature and area of Experience required | No. of Vacancies | | | | | |
|-------------------------|---|--|------------------|----|----|-----|-----|-----------|
| | | | UR | SC | ST | OBC | EWS | Total |
| 23 | <p>Essential: i) At least First Class Bachelor's Degree in Engineering / Technology in Computer Science / Computer Technology / Computer Science & Engineering / Information Technology / Information Science Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> | <p>Essential: Minimum 2 years' experience required in web software development using python/Java/C/C++.</p> | 1 | | | | | 1 |
| 24 | <p>Essential: i) At least First Class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in Reliability Engineering is preferable from a recognized university.</p> | <p>Essential: Minimum 2 years' experience in Reliability & System safety with hands on experience in all or any of the following domains mentioned below with associated software tools –</p> <p>(a) Reliability Prediction & Estimation.</p> <p>(b) FTA/FMEA/RGA.</p> <p>Desirable: Quality Assurance knowledge of associated software tools and applicable ARP/MIL standards for Aircraft systems.</p> | | | | 1 | | 1 |
| 25 | <p>Essential: i) At least First Class Bachelor's Degree in Engineering /Technology in Electrical/Electronics/ Electronics & Communication or equivalent from a recognized University.</p> <p>ii) Min. of 2 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in Reliability Engineering is preferable from a recognized university.</p> | <p>Essential: Minimum 2 years' experience in Reliability & System safety with hands on experience in one or more of the following areas with associated software tools :</p> <p>(a) Reliability Prediction & Estimation.</p> <p>(b) FTA/FMEA/RGA.</p> <p>Desirable: Quality Assurance knowledge of associated software tools and applicable ARP/MIL standards for Aircraft systems.</p> | 1 | | | | | 1 |
| Total PE-1 Posts | | | 20 | 6 | 4 | 8 | 2 | 40 |

Level : PROJECT ENGINEER-2 (PE-2) NUMBER OF VACANCIES IN THIS LEVEL : 9 (Post SI No.26 to 34)

| Post SI.No | Essential Requirements | Nature and area of Experience required | No. of Vacancies |
|------------|--|--|------------------|
| 26 | <p>Essential: i) At least First Class Bachelor's degree in Engineering /Technology in Electrical / Electronics / Instrumentation / Electronics & Communications / Electronics & Telecommunication/Electronics & Instrumentation / Electrical &Electronics / Engineering</p> <p>Desirable: Master's Degree in Engineering /Technology in any of the discipline as mentioned above from a recognized University.</p> | <p>Essential:</p> <p>Minimum 4 years of experience in one or more of the following areas:</p> <p>(a) High Frequency Electromagnetic modeling and simulations.</p> <p>(b) Electromagnetic solvers i.e., Method of Moment and Physical Optics.</p> <p>(c) Electromagnetic Design and Analysis of aircraft and its structures with or without radar absorbing materials using Method of Moment and/or Physical Optics based solvers.</p> <p>Desirable:</p> <p>(a) Design and Analysis of Radar Absorbing materials/ structures with Frequency Selective Surfaces using commercial Electromagnetic software.</p> <p>(b) Knowledge of Aircraft structures.</p> <p>(c) Knowledge of metallic and composites materials.</p> | 1 |
| 27 | <p>Essential: i) At least First Class Bachelor's Degree in Engineering /Technology in Electrical / Electronics / Instrumentation/Electrical& Electronics / Electronics & Instrumentation / Electronics & Communication / Electronics &Tele-Communication Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 4 years' experience</p> | <p>Essential :</p> <p>Minimum 4 years' experience required in Design & Development of Flight Control / Test Systems.</p> | 1 |
| 28 | <p>Essential: i) At least First Class Bachelor's Degree in Engineering / Technology in Electronics / Electronics & Instrumentation / Electronics & Communication / Electronics & Tele-Communication Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 4 years' experience</p> | <p>Essential :</p> <p>Minimum 4 years' experience required in one or more of the following areas:-</p> <p>(a) Ground based Auto-track Antenna Systems and RF telemetry sub systems.</p> <p>(b) Ground based PCM sub systems and High Speed video & data recorders.</p> <p>(c) Onboard Flight Test Instrumentation Data Acquisition Systems and sensor calibration.</p> | 1 |

| Post Sl.No | Essential Requirements | Nature and area of Experience required | No. of Vacancies |
|------------|--|--|------------------|
| 29 | <p>Essential : i) At least First Class Bachelor's Degree in Engineering / Technology in Computer Science / Computer Science & Engineering / Information Technology / Information Science & Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 4 years' experience</p> | <p>Essential : Minimum 4 years' experience required in Web Software Development in Java, JSF, SQL, and HTML.</p> <p>Desirable : JSF, Django</p> | 1 |
| 30 | <p>Essential : i) At least First Class Bachelor's Degree in Engineering / Technology in Computer Science/Computer Technology / Computer Science & Engineering / Information Technology / Information Science / Software Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 4 years' experience</p> | <p>Essential : Minimum 4 years' experience required in development of Embedded systems software on Real time operating systems (QNX)/QT using Python/R/C++ is essential.</p> <p>Desirable : (a) Software Testing, certification and documentation. (b) Exposure to DBMS, SQL, HTML is an added advantage.</p> | 1 |
| 31 | <p>Essential : i) At least First Class Bachelor's Degree in Engineering/ Technology in Electronics / Instrumentation / Electrical & Electronics / Electronics & Control / Electronics & Instrumentation / Instrumentation & Control from a recognized University or equivalent</p> <p>ii) Min. of 4 years' experience</p> | <p>Essential : Minimum 4 years' experience required in Instrumentation / Signal conditioning and real time data acquisition is essential.</p> <p>Desirable : Experience in data handling over MIL-1553 data bus and RS232/RS422/RS485.</p> | 1 |
| 32 | <p>Essential: i) At least First Class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized University.</p> <p>i) Min. of 4 years' experience</p> | <p>Essential : Minimum 4 years' experience required in one or more of the following areas: (a) CATIA-V5 modelling or user Support. (b) Experience in Digital Manufacturing (DELMIA/Technomatix) Tools usage or support. (c) Programming using C/C++ or Java.</p> <p>Desirable: Exposure to any of the following areas (a) CAD Scripting / CATIA Customization. (b) Program Lifecycle Management (PLM) tools – Customization. (c) Administration of PLM tools. (d) User support on PLM tools.</p> | 1 |

| Post Sl.No | Essential Requirements | Nature and area of Experience required | No. of Vacancies |
|------------|---|---|------------------|
| 33 | <p>Essential :</p> <p>i) At least First-Class Bachelor's Degree in Engineering/Technology in Mechanical/Production/Industrial Production Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 4 years' experience</p> | <p>Essential :</p> <p>Minimum 4 years' experience required in one or more of the following areas:</p> <p>(a) Creation of Technical Publication in S1000D standard using authoring software such as RWS Contenta / R4i / Raytheon / PTC, etc. along with IETM/IETP Level 3/4/5 deployment to users.</p> <p>(b) Hands on Experience in 2D Images AutoCAD / IsoDRAW / CoreIDRAW / Adobe Illustrator/Arbortext Editor / Adobe Frame maker/MS Visio and 3D Modeling data preparation using CATIA – V5 for Technical Manuals.</p> <p>(c) Knowledge on Simplified Technical English (STE).</p> <p>Desirable –Exposure in any of the following areas:</p> <p>(a) Familiarity in Aircraft Service & Maintenance Procedure / Manuals.</p> <p>(b) Ability to read, analyze, and interpret technical procedures / technical manuals / illustrated parts lists or schematics.</p> <p>(c) Ability to generate AMM / AIPC / MSS/ Flight manuals/ operating procedures / Service Bulletins.</p> | 1 |
| 34 | <p>Essential :</p> <p>i) At least First Class Bachelor's Degree in Engineering / Technology in Mechanical / Production / Industrial Production Engineering or equivalent from a recognized University.</p> <p>ii)Min. of 4 years' experience</p> | <p>Essential :</p> <p>Minimum 4 years' experience required in one or more of the following areas:</p> <p>(a) Design and geometrical modeling using CAD tools.</p> <p>(b) Generation of production drawings in aerospace Industry.</p> <p>(c) Manufacturing Process planning of aircraft components.</p> <p>(d) Design of Aircraft Assembly Tooling</p> <p>Desirable : Experience in one or more of the following areas:</p> <p>(a) Proficiency in CATIA V5.</p> <p>(b) Geometric Dimensioning & Tolerance (G D & T) practices.</p> | 1 |

Level : PROJECT ENGINEER-3 (PE-3) NUMBER OF VACANCIES IN THIS LEVEL : 4 (Post SI No.35 to 37)

| Post Sl.No. | Essential Requirements | Nature and area of Experience required | No. of Vacancies |
|-------------|---|--|------------------|
| 35 | <p>Essential: i)At least First Class Bachelor's Degree in Engineering/ Technology in Aeronautical / Aerospace / Mechanical Engineering or equivalent from a recognized University</p> <p>ii) Min. of 8 years' experience</p> <p>Desirable: Ph D OR Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University.</p> | <p>Essential :</p> <p>Minimum 8 years' experience required in the area of Computational Fluid Dynamics (CFD).</p> | 1 |
| 36 | <p>Essential: i)At least First class Bachelor's Degree in Engineering / Technology in Electronics / Electronics & Communication / Electronics & Telecommunication / Electrical / Electrical & Electronics / Control Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 8 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in any of the above disciplines only from a recognized University.</p> | <p>Essential :</p> <p>Minimum 8years' experience required in one or more of the following areas :</p> <p>(a) Design and development of Electronics systems and its associated components.</p> <p>(b) Electronics system Project Management.</p> <p>(c) Electronics/ Electrical Hardware.</p> <p>Desirable :Experience in Aircraft Avionics System.</p> | 2 |
| 37 | <p>Essential: i)At least First class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized University.</p> <p>ii) Min. of 8 years' experience</p> <p>Desirable: Master's Degree in Engineering / Technology in Aeronautical / Aerospace / Structures Engineering only from a recognized University.</p> | <p>Essential :</p> <p>Minimum 8years' experience required in one or more of the following areas:</p> <p>(a) Aerospace Domain.</p> <p>(b) Mechanical Design.</p> <p>Desirable :</p> <p>(a) Aircraft Structure Design.</p> <p>(b) Stress of Fatigue Analysis.</p> | 1 |

**** List of Acceptable Equivalent Disciplines is available at ADA website (<https://www.ada.gov.in>) and RAC website (<http://rac.gov.in>) for ready reference.**

(C) AGE LIMIT:

| Post / Level | Maximum Age in Years (as on closing date of the online registration of application) | | | | |
|--------------|--|-----|-----|----|----|
| | UR | EWS | OBC | SC | ST |
| PE-1 | 35 | 35 | 38 | 40 | 40 |
| PE-2 | 45 | 45 | 45 | 45 | 45 |
| PE-3 | 55 | 55 | 55 | 55 | 55 |

Maximum age should not exceed as mentioned above as on the closing date of submission of application on the web site. However, relaxation of age is allowed as per Govt. of India Rules for reserved categories against the reserved posts only. Relaxation in upper age limit (as per Govt. rules) :

- (a) Upto 10 years for PwD category candidates.
- (b) The upper age limit is relaxable up to 5 years for serving Central Civilian Govt. employees working in posts which are in the same line or allied cadres only if a relationship could be established that the service already rendered in a particular post will be useful for the efficient discharge of the duties of the advertised posts.
- (c) The upper age limit is relaxable for Ex-servicemen including Ex SSCOs/ECOs as per rules in vogue.

4. WEIGHTAGE

Weightage for higher qualification will be given based on the following conditions:

- (a) Weightage for higher qualification is equated to research experience and given as :
 - (i) Post Graduate Qualification in Engineering: **2 years of weightage.**
 - (ii) Doctorate Degree in Engineering: **4 years of weightage.**

Note : Dissertation of ME/M.Tech or Project/ Dissertation/ Thesis in case of Doctorate Degree in Engineering must be in the field relevant to the required area of experience for the given post.

- (a) Maximum weightage upto 3 years only will be given for the work experience as Research Fellow / Research Associate etc. (for every completed year of experience) and in case of such candidate(s)

possessing ME/M.Tech degree, weightage of one year only will be given for experience subject to the note above. The period of study should not overlap with work experience. However, the JRF/SRF at ADA have been re-designated as Project Assistants and fellowship will be equated as experience accordingly. In case of any other organisation, where re-designation of JRF/SRF as Project Assistant is applicable, then equivalence certificate issued by the competent authority in this regard must be uploaded with the application else the fellowship experience will not be considered.

(However, the weightage is not automatic. It will depend on the relevance of the higher qualification and research carried out by the candidate with that required by ADA)

5. SCREENING/ SHORTLISTING

Eligible candidates will be shortlisted for further selection process by adopting any one or more of the following methods:

- (a) On the basis of educational qualifications and experience higher than the minimum prescribed in the advertisement duly supported by the Documentary evidence.
- (b) Relevance of experience as filled in application by candidates.
- (c) On the basis of Desirable Qualification (DQ), if more than one DQ is prescribed, on any one or all of the DQs.
- (d) By holding a Screening Committee Meeting consisting of Technical Experts from Industry and Academia.

Candidates will initially be short listed as per one or more of the above mentioned methods. In case, the no. of candidates shortlisted in accordance to any of above mentioned methods is large, then further shortlisting may be carried out by conducting a **Preliminary Online Interview** of short duration (10-15 minutes). The number of candidates to be shortlisted for **Preliminary Online Interview** is as under(subject to their availability):

| | | |
|-------|---------------|--------------------|
| (i) | For one Post | Upto 24 candidates |
| (ii) | For 2-3Posts | Upto 48 candidates |
| (iii) | For 4-6 Posts | Upto 72 candidates |

In case, for any Item the initial screening (based on biodata only) does not result in sufficient number of



administratively eligible candidates (as many as the maximum number required for the Final Personal Interview), then the number of posts for that item will be reduced to the number for which the number of administratively eligible candidates is found to be sufficient. If it is not sufficient for even one vacancy then the recruitment process for that item will be cancelled.

Based upon the performance in the **Preliminary Online Interview**, candidates will be shortlisted for the **Final Personal Interview** in the following ratio subject to their availability:

| | | |
|-------|---------------|--------------------|
| (i) | For one Post | Upto 12 candidates |
| (ii) | For 2-3 Posts | Upto 24 candidates |
| (iii) | For 4-6 Posts | Upto 36 candidates |

Additionally, in case the second stage shortlisting i.e. after Preliminary Online Interview does not result in sufficient number of candidates (as many as half the maximum number required for the Final Personal Interview), then the number of vacancies will be reduced to the number for which the number of candidates is found to be sufficient for Final Interview. If it is not sufficient for even one vacancy then the recruitment process for that item will be cancelled. In case of cancellation of recruitment process due to any of the above mentioned reasons, the respective posts may then be re-advertised.

The candidates should, therefore, mention all qualifications/experience/achievements/specialisation in relevant fields including those over and above the minimum qualifications.

6. SELECTION PROCESS

(a) (i) The candidates, shortlisted after preliminary online interview, will be advised to appear for a final personal interview to be conducted as per rules at the venue and date, which will be intimated through the call letter.

(ii) Candidates serving in Govt. or in Govt. owned organizations will be required to produce a copy of proof of their communication with their employer (intimation & acknowledgement if received from the employer) regarding their application for the desired post in accordance to the point (q) of para-7 General Conditions as given below.

(b) The final selection of candidates will be purely on the basis of merit of marks scored by a candidate in the final personal interview only. **The candidates must score a minimum of 70% marks (i.e. 70 out of 100) for all Unreserved Vacancies and 60% marks (i.e. 60 out of 100) for all Reserved Vacancies in the Final Personal Interview for consideration for selection.**

7. GENERAL CONDITIONS

(a) Only Indian nationals need apply.

(b) Project Engineers are bound by provisions of Project Engineer Scheme of ADA as amended from time to time.

(c) ADA will engage Project Engineers **on Limited tenure basis** for a maximum duration of **FIVE years only** and initially the offer for engagement will be issued for THREE years. The initial tenure of 3 years may either be curtailed or extended further for two years based on the requirement and need of ADA as well as depending upon the performance of the individual during the period. Project Engineers have no right or claim for permanent absorption in ADA.

(d) 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 passed-out during the previous year.

(e) **First Class in Bachelor's Degree in Engineering/Technology from a recognized University is mandatory.** In case a particular University / institute does not have any criteria for First Class or equivalence, 60% marks will be taken as equivalent to first class for that University / institute. In such cases, where conversion formula is not available, CGPA/CPI of 6.75 (for a 10 point scale) will be taken as equivalent to 60% as per AICTE guidelines. No rounding off of marks is permitted.

(f) The applicants should ensure that they satisfy the eligibility criteria as on the closing date of online submission of application. 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.

(g) Candidates wishing to apply for more than one post should submit their applications separately for each post with all the required documents.

(h) Educational qualifications and experience are two separate items of requirements. Candidates should possess the prescribed experience in the relevant fields as mentioned under the column 'Nature and area of experience', preferably in Aeronautical / Aerospace Industry.

The experience prescribed should have been obtained after acquiring the prescribed educational qualification. The candidate should have a minimum experience in the level equal to Pay Level-6 (7th CPC) / equivalent or above in order to be considered suitable for the post as advertised.

(i) Project Engineers are authorized for monthly remuneration plus Dearness Allowance at the rate of 50% of DA as applicable to Central Govt. employees on **the consolidated remuneration** as mentioned in para 3(A) above. Other than that, they are **not entitled for any other allowances / financial benefits or schemes** such as Provident Fund, House Rent Allowance, Children Education Allowance, Medical, Transport, Telephone bill re-imbursement, Leave Travel Concession etc. as applicable to regular employees of ADA. However, TA/DA for official travel on ADA's requirement will be borne by ADA.

(j) The period of training/apprenticeship/part time basis /daily wages/ visiting/guest faculty will not be counted as work experience. Maximum weightage up to 3 years only will be given for the work experience as Research Fellow / Research Associate / Project Assistant etc.

(k) The applications will be screened for preliminary online interview by a committee based on the educational qualifications, experience at suitable level, professional achievements, aptitude for design, development, management skills & personal qualities and strengths. The candidates should therefore mention all qualifications/ experience/ achievements/ specialization in relevant field including those over and above the minimum qualifications.

(l) The applicants who are not in possession of the original degree certificate / provisional degree certificate in the discipline as mentioned in the advertisement on the closing date of online registration need not apply.

(m) The shortlisted candidates will be advised to appear for the final personal interview to be conducted as per rules, at the venue and date which will be intimated through the call letter. Selected candidates will be issued offer for engagement as Project Engineer on merit basis restricted to the number of vacancies required to be filled by ADA.

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

(o) 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 carefully during registration of their application as submission of wrong/incomplete information may lead to rejection through computer-based short-listing.

(p) Selected candidates will be engaged as Project Engineer 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.

(q) All serving candidates (whether in permanent or temporary capacity) whether in Government or in Government owned organizations (PSU/Joint venture, Government promoted societies and Government / Non-Government companies / Agencies / Entities where Government or Government promoted companies/ Agencies/Entities have a combined controlling stake of 50% or more) need to **upload a signed declaration** as per format given on the 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, apart from submission of their application online (web-site).

(r) Selected candidates may be posted anywhere in India if considered necessary.

(s) The number of vacancies indicated is tentative and may vary and the right to not fill up all or any of the posts as advertised is reserved.

(t) All decisions 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.

(u) Applications / Registrations received after the closing date or otherwise incomplete / without uploading of photo, degree certificate, experience certificate etc. will not be considered and no correspondence in this regard will be entertained.

(v) Interview call letters for the candidates shortlisted for the Final personal Interview will be made available on their respective login on RAC website(<https://rac.gov.in>).

(w) Candidates are advised to keep visiting RAC website atleast twice a week for updates issued from time to time. No queries in this regard will be entertained on telephone.

(x) Application received through any other mode would not be accepted and will be summarily rejected.

(y) Candidates are advised to refer the guidelines, General Conditions and Checklist before starting to register for application online.



(z) Candidates are **not required** to send print out of application by post. However, candidates working in Government / Public Sector Undertakings, Autonomous organizations/ Armed forces, including departmental candidates must apply in accordance to para (q) of General Condition mentioned above.

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

Canvassing in any form will be treated as disqualification.

(bb) Candidates seeking reservation as SC/ST/OBC (Non-Creamy Layer) should produce caste certificate in the **prescribed pro-forma from the competent authority** indicating clearly the candidate's caste, the Act/Order under which the caste is recognized as SC/ST/OBC (Non-Creamy Layer) and the village/town the candidate is ordinarily a resident of. (Refer annexure for prescribed caste certificate format for SC/ST and OBC (Non-Creamy Layer)).

(cc) Candidates claiming to belong to OBC (Non creamy layer) should note that the name of their caste (including its spellings) as indicated in their certificates, should be exactly the same as published in the lists notified by the Central Government from time to time. A certificate containing any variation in the caste name will not be accepted.

(dd) A Candidate will be eligible to get the benefit of community reservation only in case the particular caste, to which he/she belongs, is included in the list of reserved communities issued by the Central Government for appointment to posts under Government of India.

(ee) Candidates seeking reservation under EWS category should produce a valid Income & Asset certificate in the prescribed pro-forma issued by the **competent authority**.

(ff) Existing Scientists/Engineers employed in ADA on a regular basis need not apply.

HOW TO APPLY

(i) Candidates are requested to register their applications online on RAC website <https://rac.gov.in> or ADA web site: <https://www.ada.gov.in>. Application registration on the website will be kept open from **10 AM on 11th August 2023** onwards till **08th September 2023 (1600 hrs)**. Applications received through any other mode would not be accepted and will be summarily rejected.

(ii) On successful registration, the candidates may login before the closing date of the advertisement to

fill the application form online. The candidates are required to upload all requisite certificates/related documents and make payment of requisite fee. After previewing the application along with uploaded certificates/documents, the application needs to be locked for submission. Only locked/finalised applications in all respects shall be considered.

(iii) If any document is in any language other than English/Hindi, then its English/Hindi transcript should also be attached failing which the said document will be rejected.

(iv) Candidates are also advised to retain a printout /copy of the online recruitment application (pdf format) after submission.

(v) Candidates desirous of applying for more than one post must apply separately for each post. In such case, please mention the item no. (nos.) of all other posts where you have applied/intend to apply.

(vi) The applicants are advised to fill in all their particulars carefully in the online recruitment application and verified it carefully before locking. No correction in the data/application will be allowed and no document will be accepted once finally submitted.

(vii) All serving candidates (whether in permanent or temporary capacity) working in Government or in Government owned organizations (PSU/Joint venture, Government promoted societies and Government / Non-Government companies / Agencies / Entities where Government or Government promoted companies/ Agencies/Entities have a combined controlling stake of 50% or more) need to upload a signed declaration as per format given on the web site that they have informed in writing to their Cadre Controlling Authority (CCA) that they have applied for the post in ADA and in case of any objection, the employer may communicate with ADA (at email: admin-hr.ada@gov.in) directly within 15 days of the closing date of online registration. Candidates shall ensure that the intimation will be made to the employer in the prescribed format only mentioning the clause for 'objection' else the intimation in any other format will not be considered. Candidates should note that in case a communication from the employer is received by ADA withholding the permission to the candidate applying for the post, their candidature will be liable for cancellation. The candidates will be required to produce a copy of proof of their communication with their employer i.e. THE INTIMATION TO THE EMPLOYER AND THE ACKNOWLEDGEMENT RECEIVED FROM EMPLOYER regarding their application for the desired post at the time of interview (if called for).

(viii) Weightage of higher qualifications to be equated as experience only when the higher qualification is in



the relevant discipline. Candidates are therefore, advised to highlight the experience acquired (either through Higher Qualification or Job Experience) matching to requirements mentioned under Essential and/or Desirable Qualification while filling the Justification column under 'Other' Section in the online Application form.

(viii) Upon successful submission of the application on-line, a system generated unique application number would be allotted which along with a hard copy of the application should be carefully preserved by the applicants for future reference.

(ix) The candidates are required to upload the following documents compulsorily:

(a) Date of Birth (DOB) proof: Self attested Matriculation certificate/High School certificate /Birth Certificate issued by appropriate Local Authority etc. Ensure that DOB proof mentions birth date.

(b) A recent passport size colour photograph (size not exceeding 30 KB; resolution of 110 x 140 pixels).

(c) Scanned sample of candidate's signature.

(d) Self-attested certificates / testimonials regarding Essential and Higher qualification along with mark-sheets, caste, ex-servicemen, Disability certificate (wherever applicable), employment and experience etc.

(e) The candidates, whether in Govt Service or in Govt owned organisations, should upload a signed declaration (as per the proforma available at RAC website) that they have informed their Cadre Controlling Authority (CCA) in writing regarding their application for the post of Scientist in ADA.

(f) In case of mismatch in candidate name and/or parent(s) name(s) of the candidate as mentioned in the application form with any of the documents/certificates being uploaded, the relevant affidavit in support shall essentially be uploaded.

(g) Upload requisite caste/ disability certificate, in case you belong to SC/ST/OBC (NCL)/Divyang category.

(h) Upload Discharge/Release certificate in case you are a retired Armed Forces personnel. In case Age relaxation is being sought then the candidate must ensure that the age relaxation under Ex-serviceman category has not been claimed previously and relevant proof is required to be uploaded for the same.

(x) If any document/certificate furnished is in a language other than English or Hindi, a duly self attested transcript of the same should be attached.

(xi) Candidates should attach all experience certificates and salary slips as proof of pay drawn and promotion orders for the experience claimed. The period of experience (date of joining/date of leaving/current job status) claimed should be easily verifiable from the salary slips/experience certificates/documents attached.

(xii) Candidates who have worked or are currently working in Private Sector must submit proof of Pay drawn/Cost to Company (CTC) during the period claimed as experience for the post. While determining the level of experience, the Pay drawn in preceding years /CTC will only be the sole criteria to determine experience at suitable level.

(xiii) The maximum file size of each document/certificate to be uploaded should not exceed 500 KB and it must be legible when a printout is taken. For that, the applicant may scan the certificate into 200 dpi grey scale.

(xiv) The candidates may register their application early to avoid network congestion. Print out of the application may be taken and kept for future reference.

CHECK LIST :

Please ensure that you have:

(a) Correctly indicated the post Serial No. and post applied for.

(b) Uploaded a recent scanned color photograph and copies of the requisite certificates (Degree certificate with proof of First Class & experience certificates).

(c) Uploaded the requisite valid certificates as proof in case you are applying under SC/ST/OBC (Non-Creamy Layer)/PH/EWS Category.

(d) Uploaded certificate of service /release in case you are a retired Armed Forces Personnel.

(e) DOB proof uploaded mentions birth date.

(f) Essential Qualification degree has been uploaded.

(g) Documents uploaded are legible / readable and not password protected.

(h) Experience certificate has been attached with the start and end date of the experience claimed for each employment record. The experience certificate has been issued by competent authority like Admin/ HR Head / Director / Principal / Dean / Registrar etc.



| | |
|---|--|
| <p>(i) Proper salary proofs are uploaded as Passbook entries, Bank Account statements etc. will not be considered as salary proofs.</p> <p>(j) Fellowship proofs if uploaded clearly mention the start date and end date of fellowship.</p> <p>(k) If any document/certificate furnished is in a language other than English or Hindi, a duly self attested transcript of the same has been uploaded.</p> | |
|---|--|

Director (Admin & HR)
ADA

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