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# Aeronautical Development Agency

**(Ministry of Defence, Govt. of India)**

**PB No.1718, Vimanapura Post, Bangalore- 560017**



**ADA Web Site:** ***https://www.ada.gov.in*** ***Online application is mandatory***

**Advt. Ref No. :ADA:ADV-112** **05 July 2021**

*Date of opening of application registration on ADA web site:* ***10 AM onwards from 08th July 2021.***
*Closing date:* ***Twenty-one days (21 days) from the date of publication of the advertisement in 'Employment News'.***

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. Applications are invited from 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/ Level | Minimum Experience required | Consolidated remuneration per month (Rs.) | Vacancy |
|---|---|---|---|
| PE-1 | 2 years | 50,000 + Dearness Allowance* | 46 |
| PE-2 | 4 years | 60,000 +Dearness Allowance* | 17 |
| PE-3 | 8 years | 70,000 + Dearness Allowance* | 5 |
| **Total Vacancies** | | | **68** |

*** 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.**

**(B)** Post/Level of Project Engineer, Category-wise vacancy (for PE-1), Essential Requirements, Nature & area of Experience required are as given below:
*(Abbreviations used: - UR: Unreserved SC: Scheduled Castes; ST: Scheduled Tribes; OBC: Other Backward Classes (Non-Creamy Layer) and EWS: Economically weaker sections)*

**LEVEL: PROJECT ENGINEER-1 (PE-1)** **NUMBER OF VACANCIES IN THIS LEVEL: 46 (Post Sl No.1 - 26)**

| Post Sl. No. | Essential Requirements | Nature and area of Experience required | No. of Vacancies | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | UR | SC | ST | OBC | EWS | Total |
| 1. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Metallurgy or equivalent from a recognized University.<br>ii) Min. of 2 years' experience<br>**Desirable:** Master's Degree in Engineering / Technology in the above mentioned discipline only from a recognized University. | Minimum 2 years' experience in Aircraft structural metallic materials and processes, corrosion, surface engineering and materials testing. | 1 | | | | | **1** |
| 2. | **i**) At least a First class Bachelor's Degree in Mechanical Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience<br>**Desirable**: Master's Degree in Engineering / Technology in Mechanical Engineering only from a recognized University. | Minimum 2 years' experience in one or more of the following areas:<br>(a) Preparation of aircraft structural layouts,<br>(b) CAD modeling & drawings preparation using CATIA / Unigraphics, Mass properties estimation.<br>(c) Preparation of DMU and kinematic analysis.<br>(d) Design for manufacturing & assembly, Jigs & fixtures, GD&T and Quality procedures. | 1 | 1 | | 1 | | **3** |
| 3. | **i**) At least First class Bachelor's Degree in Engineering / Technology in Mechanical / Production / Industrial Production Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience<br>**Desirable:** Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University. | Minimum 2 years' experience in one or more of the following areas :<br>(a) Design & Manufacturing of polymer reinforced composites, CAD modeling & Drawings preparation using CATIA / Unigraphics. Aircraft structural assembly procedures.<br>(b) Design for Manufacturing & Assembly, Design of Jigs & fixtures. | | | | | 1 | **1** |
| 4. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Aeronautics/ Aerospace/Mechanical Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience<br>**Desirable:** Master's Degree in Engineering / Technology in Mechanical Engineering only with specialization in Machine Design from a recognized University. | Minimum 2 years' experience in one or more of the following:<br>Stress analysis using FE software like HYPERMESH, NASTRAN / PATRAN with good knowledge in theory of finite elements, strength of materials /aircraft structures. | 1 | 1 | | | | **2** |

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Advt. Ref No. : ADA:ADV-112 05 July 2021

| Post Sl. No. | Essential Requirements | Nature and area of Experience required | No. of Vacancies | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | UR | SC | ST | OBC | EWS | Total |
| 5. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Aeronautical / Aerospace/Mechanical Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience<br>**Desirable:** Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University. | Minimum 2 years' experience in Dynamic analysis, familiarity with FE analysis packages and MATLAB. | | | | 1 | | **1** |
| 6. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Mechanical/ Aeronautical / Aerospace Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience<br>**Desirable:** Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University. | Minimum 2 years' experience in one or more of the following:<br>(a) Conducting vibration tests (such as Ground vibration test and modal test).<br>(b) Flutter analysis packages.<br>(c) Analyzing vibration data using MATLAB. | 1 | | | | | **1** |
| 7. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Electrical / Electronics / Electrical & Instrumentation / Electrical & Electronics / Electronics & Instrumentation / Electronics & Communication / Electronics & Tele-communication Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience<br>**Desirable**: Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University. | Minimum 2 years' experience in one or more of the following areas :<br>(a) Design and Analysis of Radar Absorbing materials/ structures with Frequency Selective Surfaces using Commercial Electromagnetic software.<br>(b) Electromagnetic Design and Analysis of air intake of combat aircraft using Method of Moment and/or Physical Optics or similar methods<br>(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. | 1 | | | | | **1** |
| 8. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Aeronautical/ Aerospace Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience | Minimum 2 years' experience in one or more of the following areas :<br>(a)Experimental Aerodynamics<br>(b) Computational Aerodynamics<br>(c) Aircraft Performance<br>(d) Flight Mechanics**.** | 1 | | | 1 | | **2** |
| 9. | **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.<br>ii) Min. of 2 years' experience<br>**Desirable**: Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University. | Minimum 2 years' experience in one or more of the following areas :<br>(a) FPGA / SOC based Embedded system design and RTL programming<br>(b) VHDL / Verilog / development Tools – ISE/ Vivado/Quartus.<br>(c) RTL Test Bench Development and Simulation Tools.<br>(d) Embedded Software development Language and tools C/C++.<br>(e) Windows cross development and Linux development environment RTOS.<br>(f) PCB Design and Analysis.<br>(g) Testing and verification of Embedded Systems<br>(h) ARINC 661-5 Runtime protocol for cockpit displays with Tool Kits SCADE / VAPS-XT<br>(i) Network Attached Storage (NAS), Network File System (NFS) and Ethernet protocols.<br>(j) Video and data compression algorithms (H.264), Digital Video Recorders. | | 1 | 1 | 1 | | **3** |
| 10. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Electrical / Electrical & Electronics Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience<br>**Desirable:** Master's Degree in Engineering / Technology in any of the above mentioned disciplines only with specialization in High Voltage Engineering from a recognized University. | Minimum 2 years' experience in one or more of the following areas :<br>(a) Modeling and Simulation of Electrical<br>(b) Power Generation and Distribution system.<br>(c) Software like Python/C/C++/AutoCAD/ MATLAB/LABVIEW<br>(d) Aircraft integration/Harness Design and Testing.<br>(e) High Voltage Lightning and protection schemes. | 2 | | | | | **2** |
| 11. | **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.<br>ii) Min. of 2 years' experience<br>**Desirable:** Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University. | Minimum 2 years' experience in one or more of the following areas :<br>(a) Software engineering life cycles and processes.<br>(b) Avionics Buses and Protocols (Mil-Std-1553B std etc.)<br>(c) Development of Avionics Software<br>(d) Software process management.<br>(e) Analysis and design tools<br>(f) Technical Skills in C/ C++ / Ada83/95 languages, DO-178B /IEEE-12207, CASE tools like Rhapsody, Rational Rose, and Doors NG. | 1 | | | 1 | 1 | 3 |

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Advt. Ref No. : ADA:ADV-112 05 July 2021

| Post Sl. No. | Essential Requirements | Nature and area of Experience required | No. of Vacancies | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | UR | SC | ST | OBC | EWS | Total |
| 12. | **i)** At least First Class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized university.<br>ii) Min. of 2 years' experience<br>**Desirable:** Master's Degree in Engineering / Technology in Mechanical Engineering only from a recognized university. | Minimum 2 years' experience in one or more of the following areas :<br>(a) Design, development & testing of aircraft mechanical systems.<br>(b) Evolving technical specifications, test schedules, test plan for mechanical systems.<br>(c) System integration testing, experience with certifying agencies in a modern combat class aircraft. | 1 | | | | | **1** |
| 13. | **i)** At least First Class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized university<br>ii) Min. of 2 years' experience | Minimum 2 years' experience in one or more of the following areas :<br>(a) Design Architecture of Mechanical System and sub-system of a combat Aircraft.<br>(b) Functionality/ design/ integration/ manufacturing aspects of Auxiliary Power Systems.<br>(c) Gear Box Design | | | | | 1 | **1** |
| 14. | **i)** At least First Class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized university.<br>ii) Min. of 2 years' experience | Minimum 2 years' experience in one or more of the following areas with using CATIA, ANSYS-Fluent & System Simulation Software :<br>(a) Design & Development of Vapor Compression Refrigeration System. System engineering in design and development of Air conditioning systems.<br>(b) Centrifugal pump working principles and its applications<br>(c) Manufacturing, testing and certification process of aircraft components. | 1 | 1 | | | | **2** |
| 15. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Mechanical/ Aeronautical /Aerospace Engineering or equivalent from a recognized university.<br>ii) Min. of 2 years' experience | Minimum 2 years' experience in design & development of aircraft mechanical systems and its associated components. | 1 | | 1 | 1 | | **3** |
| 16. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized university<br>ii) Min. of 2 years' experience | Minimum 2 years' experience in one or more of the following areas :<br>(a) Modeling using CATIA V5<br>(b) Preparation of Design drawings by Tolerance<br>(c) Analysis of the assembly for fits and tolerances by modeling.<br>(d) Co-ordinate assembly and testing activities (Hydraulic /Fuel System LRUs) | | | | 1 | | **1** |
| 17. | **i)** At least First Class Bachelor's Degree in Engineering / Technology in Mechanical / Mechatronics Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience | Minimum 2 years' experience required in CATIA / DELMIA and Immersive Visualization. | 1 | | | | | **1** |
| 18. | **i)** At least First Class Bachelor's Degree in Engineering / Technology in Mechanical / Mechatronics Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience<br>**Desirable**: Master's Degree in Engineering / Technology in Systems Engineering only from a recognized University. | Minimum 2 years' experience in required using one or more of the following :<br>(a) Multi-domain modeling<br>(b) Simulation tools such as MATLAB / Simulink, Dymola/AmeSim. | | | | 1 | | **1** |
| 19. | **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.<br>ii) Min. of 2 years' experience | Minimum 2 years' experience required in **two or more** of the following areas :<br>(a) Data center<br>(b) Server administration<br>(c) HPC system administration<br>(d) NAS/SAN admin<br>(e) Virtualization technologies. | 1 | | | | | **1** |

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| Post Sl. No. | Essential Requirements | Nature and area of Experience required | No. of Vacancies | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | UR | SC | ST | OBC | EWS | Total |
| 20. | **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.<br>ii) Min. of 2 years' experience<br>**Desirable:** Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University. | Minimum 2 years' experience required in Design & Development of Flight Control / Test Systems. | 2 | 1 | 1 | 1 | 1 | **6** |
| 21. | **i)** At least First Class Bachelor's Degree in Engineering / Technology in Mechanical / Aeronautical / Aerospace Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience<br>**Desirable:** Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University. | Minimum 2 years' experience required in Design & Development of Flight Control / Test Systems. | 1 | | | 1 | | **2** |
| 22. | **i)** At least First Class Bachelor's Degree in Engineering / Technology in Electronics / Instrumentation / Electronics & Instrumentation / Electronics & Communication / Electronics & Tele-Communication Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience | Minimum 2 years' experience required in one or more of the following areas :<br>(a) Flight test instrumentation, flight data acquisition systems, onboard & ground data recorders, onboard sensors.<br>(b) Telemetry systems, Auto track antenna system, RF receivers, High speed imaging data recorders & analysis. | 1 | 1 | | 1 | | **3** |
| 23. | **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.<br>ii) Min. of 2 years' experience | Minimum 2 years' experience required in Java/C/C++/ web development. | 1 | | | | | **1** |
| 24. | i) At least First Class Bachelor's Degree in Engineering / Technology in Mechanical / Aeronautical / Aerospace Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience | Minimum 2 years' experience required in one or more of the following areas with Programming experience in MATLAB / Python/ C/C++ :<br>(a) Aero-dynamics and propulsion systems/ engine operability and performance evaluation.<br>(b) Working knowledge in CAD, grid generation, CFD, and associated software / engine real time modeling. | 1 | | | | | **1** |
| 25. | **i)** At least First Class Bachelor's Degree in Engineering / Technology in Electrical / Electronics / Electrical & Electronics / Electronics & Communication / Electronics & Tele-Communication Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience | Minimum 2 years' experience required in one or more of the following areas :<br>(a) Standardization & documentation experience in Quality Assurance, Reliability & System Safety.<br>(b) Hands on experience in Reliability Prediction/Estimation, FTA, FMEA, RGA, Safety Assessment with reference to domain of work with associated software tools and applicable ARP/MIL Standards for Aircraft systems. | 1 | | | | | **1** |
| 26. | **i)** At least First Class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized University.<br>ii) Min. of 2 years' experience<br>**Desirable:** Master's Degree in Engineering / Technology in Reliability Engineering or equivalent from a recognized university. | Minimum 2 years' experience required in one or more of the following areas :<br>(a) Quality Assurance, Reliability & System Safety.<br>(b) Hands on experience in Reliability Prediction / Estimation, FTA, FMEA, RGA, Safety Assessment with reference to domain of work with associated software tools and applicable ARP / MIL Standards for Aircraft systems. | | | | 1 | | **1** |
| **Total** | | | **21** | **6** | **3** | **12** | **4** | **46** |

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**LEVEL: PROJECT ENGINEER-2 (PE-2)** **NUMBER OF VACANCIES IN THIS LEVEL: 17 (Post Sl No.27 – 39)**

| Post Sl. No. | Essential Requirements | Nature and area of Experience required | No. of Vacancies |
|---|---|---|---|
| 27. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Mechanical / Aeronautical/ Aerospace Engineering or equivalent from a recognized University.<br>ii) Min. of 4 years' experience<br>**Desirable:** Master's Degree in Engineering / Technology in Mechanical Engineering (with specialization in Machine Design) / Aeronautical / Aerospace Engineering only from a recognized University. | Minimum 4 years' experience required in one or more of the following areas with CATIA V5 experience:<br>(a) Experience in one or more of the following CATIA workbenches.<br>(i) Product Structure<br>(ii) Mechanical Design (Part, Assembly, Sketches, Drafting etc.).<br>(iii) Kinematics simulator in CATIA, designing of mechanisms for movable parts like doors, control surfaces, understanding of structural interfaces for actuator support.<br>(iv) Shape (Generative Shape Design, Free Style Surfacing, ICEM Shape Design Free Style Optimizer etc.).<br>(b) Various systems of a combat aircraft / inboards arrangements based on various requirements like functional positioning, accessibility, safety, space management etc.<br>(c) Estimation of mass properties for aircraft and its interpretation with respect to aircraft performance. | **2** |
| 28. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Mechanical / Aeronautical/ Aerospace Engineering or equivalent from a recognized University.<br>ii) Min. of 4 years' experience<br>**Desirable:** Post Graduate Diploma or Masters in Management Studies from a recognized University. | Minimum 4 years' experience required in one or more of the following areas :<br>(a) Management of Aircraft Design & Development Project.<br>(b) Project Management activities, project Cost Estimation methods, PERT & CPM.<br>(c) Usage of Product Lifecycle Management and project Management Tools. | **1** |
| 29. | **i)** At least First Class Bachelor's Degree in Engineering/ Technology in Aeronautical / Aerospace / Mechanical Engineering or equivalent from a recognized university.<br>ii) Min. of 4 years' experience | Minimum 4 years**'** experience required in one or more of the following areas:-<br>(a) Experimental Aerodynamics<br>(b) Computational Fluid Dynamics<br>(c) Aircraft Performance | **2** |
| 30. | **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.<br>ii) Min. of 4 years' experience<br>**Desirable**: Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University. | Minimum 4 years**'** experience required in one or more of the following areas:-<br>(a) Airborne Radar System integration and testing in the Ground Rigs and Airborne platforms<br>(b) Design & Testing of Radar Warning Receivers and EW Systems<br>(c) System level EMI / EMC testing<br>(d) RF & Microwave System Testing and measurements<br>(e) Development of Test Rigs and Simulators.<br>(f) Airborne Software integration and testing | **1** |
| 31. | **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.<br>ii) Min. of 4 years' experience<br>**Desirable**: Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University. | Minimum 4 **years'** experience required in one or more of the following areas:-<br>(a) Ada 95 and C low level test cases and test procedure for Level B Airborne software<br>(b) Requirement based testing and analysis<br>(c) Airborne Software engineering life cycles and processes.<br>(d) Analysis of software requirement document and Interface requirement document and prepare test plan and test cases<br>(e) Airborne Software integration and testing<br>(f) Technical Skills in C/Ada95 languages/RTRT/Vector cast/Jama/ /GPS/PREP/Logiscope/LDRA/MKS/Doors. | **1** |
| 32. | **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.<br>ii) Min. of 4 years' experience | Minimum 4 years' experience required in Design & Development of Flight Control / Test Systems. | **1** |
| 33. | **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.<br>ii) Min. of 4 years' experience | Minimum 4 years**'** experience required in one or more of the following areas:-<br>(a) Telemetry Systems, Auto track Antenna Systems, RF Receivers, PCM Systems, Ground based Video High speed data recorders and acquisition systems.<br>(b) Flight Test Instrumentation, Preparation of Specification and testing of sensors and Data Acquisition Systems.<br>**Desirable skill** : Auto CAD | **2** |

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| Post Sl. No. | Essential Requirements | Nature and area of Experience required | No. of Vacancies |
|---|---|---|---|
| 34. | **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.<br>ii) Min. of 4 years' experience | Minimum 4 years' experience required in Software Development in Java, JSF, SQL, and HTML. | **1** |
| 35. | **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.<br>ii) Min. of 4 years' experience | Minimum 4 years' experience required in one or more of the following areas:<br>(a) Design and development of software relevant to engine integration, maintenance, and engine parts life tracking.<br>(b) Diagnostic and prognostic algorithm development, machine learning algorithms, engine health monitoring, etc. is mandatory.<br>(c) Real time operating systems, aircraft avionics, MIL-1553 data bus scheduler, network and communication, etc.<br>(d) DBMS, Design of software architecture with Object Oriented Analysis and Design (OOAD) process with UML Framework.<br>(e) Embedded systems software in C/C++ languages on Linux/QnX Platforms.<br>(f) Hardware-Software Integration using debug tools /ICE.<br>(g) Delivery/completion of at least one full Software Development Life Cycle(SDLC) process in Aerospace domain in line with DO -178B /AUTOSAR standards. | **1** |
| 36. | **i)** At least First Class Bachelor's Degree in Engineering/ Technology in Mechanical Engineering or equivalent from a recognized university.<br>ii) Min. of 4 years' experience<br>**Desirable**: Master's Degree in Engineering / Technology in Mechanical Engineering only from a recognized university. | Minimum 4 years' experience required in CAD (CATIA V5), turbo machinery, rotor dynamics, vibration analysis, structural design and analysis, FEM tools, etc. with working knowledge in ANSYS software. | **1** |
| 37. | **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.<br>ii) Min. of 4 years' experience | Minimum 4 years' experience required in one or more of the following areas using C/C++ / Java language and SQL Programming using IBM DB2/ORACLE :<br>(a) Performing pre-studies on end-customer demands, PLM Customization, Installation, configuration, API Development, Bug Fixing & Application Support<br>(b) PLM Configuration and Change Management<br>(c) PLM Processes and development of Workflows<br>(d) Migration/upgrade to higher versions of PLM<br>(e) Software configuration management &Proficiency in SDLC. | **2** |
| 38. | **i)** At least First Class Bachelor's Degree in Engineering/ Technology in Mechanical/ Production / Industrial Production Engineering or equivalent from a recognized University.<br>ii) Min. of 4 years' experience | Minimum 4 years' experience required in one or more of the following areas using CAD Modeling preferably CATIA V5 :<br>(a) Working in PLM Environment<br>(b) Advanced Modules like Tubing/ Electrical Harness/Composites/ Sheet Metal/Interference Analysis/Quality assessment of CAD Data<br>(c) GD &T / MBD module in CAD application. | **1** |
| 39. | i) At least First Class Bachelor's Degree in Engineering/ Technology in Mechanical/ Production / Industrial Production Engineering or equivalent from a recognized University.<br>ii) Min. of 4 years' experience | Minimum 4 years' experience required in one or more of the following areas :<br>(a) Generation of production drawings and manufacturing knowledge of machined / sheet metal / composite components for aerospace Industry.<br>(b) Geometric Dimensioning & Tolerance<br>(c) Tolerance stack up Analysis<br>(d) Process planning & simulation in Digital environment.<br>(e) Design of Aircraft Assembly jigs, Tooling and fixtures.<br>(f) Proficiency in CATIA V5 modeling | **1** |

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**LEVEL: PROJECT ENGINEER-3 (PE-3)** **NUMBER OF VACANCIES IN THIS LEVEL: 05 (Post Sl No.40 – 44)**

| Post Sl. No. | Essential Requirements | Nature and area of Experience required | No. of Vacancies |
|---|---|---|---|
| 40. | **i)** At least First Class Bachelor's Degree in Engineering/ Technology in Aeronautical / Aerospace / Mechanical Engineering or equivalent from a recognized University<br>ii) Min. of 8 years' experience<br>**Desirable**: Ph D **OR** Master's Degree in Engineering / Technology in any of the above mentioned disciplines only from a recognized University. | Minimum 8 years' experience required in the area of Computational Fluid Dynamics (CFD). | **1** |
| 41. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Electronics / Electronics & Communication / Electronics & Tele-communication / Electrical / Electrical & Electronics Engineering or equivalent from a recognized University.<br>ii) Min. of 8 years' experience<br>**Desirable**: Master's Degree in Engineering / Technology in any of the above disciplines only from a recognized University. | Minimum 8 years' experience required in one or more of the following areas :<br>(a) Design and development of Aircraft Avionic Systems and its associated components.<br>(b) Avionics Project Management<br>(c) Design and development of weapon systems. | **1** |
| 42. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Electronics / Electronics & Communication / Electronics & Tele-communication / Control Engineering or equivalent from a recognized University.<br>ii) Min. of 8 years' experience<br>**Desirable**: Master's Degree in Engineering / Technology in any of the above disciplines only from a recognized University. | Minimum 8 years' experience required in one or more of the following areas :<br>(a) Design and development of aircraft flight control system and its associated components.<br>(b) Design and development of flight control related test rigs and infrastructure. | **1** |
| 43. | **i)** At least First class Bachelor's Degree in Engineering / Technology in Mechanical Engineering or equivalent from a recognized University.<br>ii) Min. of 8 years' experience<br>**Desirable**: Master's Degree in Engineering / Technology in Aeronautical / Aerospace / Structures Engineering only from a recognized University. | Minimum 8 years' experience required in the areas of aircraft structures, stress and fatigue. | **1** |
| 44. | **i)** At least First Class Bachelor's Degree in Engineering/ Technology in Mechanical Engineering or equivalent from a recognized University.<br>ii) Min. of 8 years' experience | Minimum 8 years' experience required in one or more of the following areas :<br>(a) Design and development of aircraft fuel system and engine integration for military aircraft.<br>(b) Aircraft Mechanical Systems, ground support equipment and aircraft system design with knowledge of applicable design and military standards.<br>(c) Evolving Technical specification for functional components to meet operational requirements, qualification test schedules/plans to validate functional capability of systems and flight test requirements. | **1** |

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

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## (C) AGE LIMIT:

| Post / Level | Maximum Age (as on closing date of the online registration of application) |
|---|---|
| PE-1 | 35 Yrs. |
| PE-2 | 45 Yrs. |
| PE-3 | 55 Yrs. |

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.

## 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**.

(b) In case of candidate(s) possessing both (i) & (ii) above, weightage of higher degree only will be given subject to the note above.

(c) **Maximum weightage upto 3 years only will be given for the work experience as Research Fellow / Research Associate / Project Assistant 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.

## 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 for a **Preliminary Online Interview** of short duration (10 – 15 minutes). The number of candidates to be shortlisted for preliminary interview is as under( subject to their availability):

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

In case the preliminary shortlisting (based on bio-data only), does not result in sufficient number of candidates (as many as required for the final personal interview), then the recruitment process for that post will be cancelled. The said post may then be re-advertised.

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 |

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 employer) regarding their application for the desired post in accordance to the point (q) of para-7 General Conditions 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**.

(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.

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(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 forwarded by E-mail only and therefore candidates should correctly enter their details such as E-mail ID, Postal Address & Mobile Number etc. No queries in this regard will be entertained on telephone.

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

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

(y) 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.

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

(aa) 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

(a) Candidates are requested to register their applications online on RAC website **https://rac.gov.in** or ADA web site: ***https://ada.gov.in*** . Application r**egistration on the website will be kept open from 10 AM on 08 July 2021 onwards till 21 days from the date of publication of the Advertisement in the Employment News.** Applications received through any other mode would not be accepted and summarily rejected.

(b) 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.

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

(i) Scanned recent color photograph of size 110Wx140H px (Image JPG). (File size should not exceed 30KB).

(ii) Scanned legible copies of Degree Certificate, mark sheets as proof of First Class and Experience Certificates

(iii) Caste/Income & Asset certificate in the case of candidates belonging to SC/ST/OBC (Non-Creamy Layer)/EWS category seeking reservation.

(iv) Discharge/Release certificate in case of candidates belonging to 'Retired Armed Forces Personnel' category.

(d) 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) Indicated the date of appointment/date of joining and date of cessation under current/previous experience.

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

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

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

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***Chief Admin Officer, ADA***