



Government of India  
Department of Space  
**VIKRAM SARABHAI SPACE CENTRE**  
Thiruvananthapuram - 695 022

**ADVERTISEMENT NO. VSSC-300 DATED 07.10.2017**  
**INVITES APPLICATION FOR THE FOLLOWING POSTS**

<b>POST : SCIENTIST/ENGINEER-SD [LEVEL 11( ₹ 67,700 - ₹ 2,08,700/- )]</b>				
<b>Post No</b>	<b>No. of posts</b>	<b>Essential qualifications for the post</b>	<b>Physical Requirements</b>	<b>Nature of job</b>
1353	02	1. Ph.D in topics related to Aerosols/Atmospheric Modeling/Radiation Transfer Modelling/Planetary Science & Exploration/Microwave Remote Sensing/Ionosphere Modelling with 2. M.Sc Physics/Meteorology/Atmospheric Science/Space Science or equivalent. <b>OR</b> B.E/B.Tech/M.Tech/MS in Electronics/Electrical/Mechanical/Civil Engineering/Computer Science/Earth Science or equivalent.	S, ST, W, BN, L, KC, CL, MF, RW, SE, H, C, PP	Research and development in Aerosols /Atmospheric Modeling/Radiation Transfer Modelling /Planetary Science and Exploration/Microwave Remote Sensing/ Ionospheric Modelling. .
<b>POST : SCIENTIST/ENGINEER-SC [LEVEL 10( ₹ 56,100 - ₹ 1,77,500/- )]</b>				
1354	02	1. M.E/M.Tech or equivalent in Industrial Safety Engineering in First Class with an aggregate minimum of 60% marks (average of all semesters) or CGPA/CPI grading of 6.5 on a 10 scale or equivalent. 2. B.E/B.Tech or equivalent in Mechanical Engineering/Industrial Engineering/Chemical Engineering/ Electrical Engineering in First Class with an aggregate minimum of 65% marks (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent.	S, ST, W, BN, L, KC, JU, CRL, CL, MF, RW, SE, H, C, PP, BLA	Safety inspection / audit of facilities and construction sites . Surveillance / supervision of hazardous activites. Risk assessment and Safety Studies for operations, processes facilites. Analysis /Investigation of near miss incidents and accidents. Design of fire detection and protection systems for new facilites. Conducting safety training and motivational programmes. Preparation of safety guidelines for operations / process / equipments.
1355	02	1. M.E/M.Tech or equivalent in Metallurgical Engineering/Material Science/Industrial Metallurgy in First Class with an aggregate minimum of 60% marks (average of all semesters) or CGPA/CPI grading of 6.5 on a 10 scale or equivalent. 2. B.E/B.Tech or equivalent in Mechanical Engineering/Metallurgy Engineering in First Class with an aggregate minimum of 65% marks (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent.	S, ST, W, BN, L, KC, JU, CRL, CL, MF, RW, SE, H, C, PP	Indigenous realisation of metallic materials for Launch vehicle programme. R&D in the area of Material Processing.Characterisation and forming

1356	02	<ol style="list-style-type: none"> <li>1. M.E/M.Tech or equivalent in Micro Electronics in First Class with an aggregate minimum of 60% marks (average of all semesters) or CGPA/CPI grading of a minimum of 6.5 on a 10 scale or equivalent and</li> <li>2. B.E/B.Tech or equivalent in Electronics &amp; Communication Engineering/Electronics Engineering/Electrical Engineering in First Class with an aggregate minimum of 65% marks (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent.</li> </ol>	S, ST, BN, KC, W, MF, SE, PP, L, C, RW, H	Plan, Design, Analyse, Develop and Realize Micro electronics/ ASIC Sensor electronics.
1357	01	<ol style="list-style-type: none"> <li>1. M.E/M.Tech or equivalent in Manufacturing Technology/Production Engineering/Computer Aided Manufacturing Engineering in First Class with an aggregate minimum of 60% marks (average of all semesters) or CGPA/CPI grading of a minimum of 6.5 on a 10 scale or equivalent and</li> <li>2. B.E/B.Tech or equivalent in Mechanical Engineering in First Class with an aggregate minimum of 65% marks (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent.</li> </ol>	S, ST, BN, KC, W, MF, SE, PP, L, C, RW, H, BA	Plan, Design, Analyse, Develop and Realize manufacturing process and methods for mettalic and non mettalic materials.
1358	01	<ol style="list-style-type: none"> <li>1. M.E/M.Tech or equivalent in Surface Engineering/Surface Science &amp; Technology/Surface Coating Technology in First Class with an aggregate minimum of 60% marks (average of all semesters) or CGPA/CPI grading of a minimum of 6.5 on a 10 scale or equivalent and</li> <li>2. B.E/B.Tech or equivalent in Mechanical Engineering in First Class with an aggregate minimum of 65% marks (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent.</li> </ol> <p style="text-align: center;">OR</p> <p>M.Sc Physics/Chemistry in First Class with an aggregate minimum of 65% marks (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent.</p>	S, ST, BN, KC, W, MF, SE, PP, L, C, RW, H	Plan, Design, Analyse, Develop and Realize Tribological process and thin film coating for sensor and actuaters.
1359	01	<ol style="list-style-type: none"> <li>1. M.E/M.Tech or equivalent in Chemical Engineering with specialization in Process Design/Process Engineering in First Class with an aggregate minimum of 60% marks (average of all semesters) or CGPA/CPI grading of a minimum of 6.5 on a 10 scale or equivalent and</li> <li>2. B.E/B.Tech or equivalent in Chemical Engineering in First Class with an aggregate minimum of 65% marks (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent.</li> </ol>	S, ST, BN, KC, W, MF, SE, PP, L, C, RW, H	Plan, Design, Analyse, Develop and Realize fused silica and silica micro machining process development and surface characterisation for sensor development.

1360	02	<p>1. M.E/M.Tech/M.Sc (Engineering) or equivalent in Control Systems Engineering/Control &amp; Instrumentation/Control &amp; Guidance/Control &amp; Computing/Control &amp; Automation/Systems &amp; Control Engineering in First Class with an aggregate minimum of 60% marks (average of all semesters) or CGPA/CPI grading of a minimum of 6.5 on a 10 scale or equivalent and</p> <p>2. B.E/B.Tech/B.Sc (Engineering) or equivalent in Electrical Engineering/Electrical &amp; Electronics Engineering/Applied Electronics/Electronics &amp; Communication Engineering /Electronics &amp; Instrumentation Engineering /Aerospace Engineering in First Class with an aggregate minimum of 65% marks (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent.</p>	S, ST, W, BN, L, KC, JU, CRL, CL, MF, RW, SE, H, C	Launch Vehicle Dynamics Modeling and Simulations, Development of Flight Software in Embedded Systems with RTOS, Optimal & Robust Control and Guidance Algorithm Development, Trajectory Analysis and Analysis Tool Development & Simulation Package Development
1361	06 (OH-01)	<p>M.Sc. Chemistry/Applied Chemistry with specialization in Polymer Chemistry/Organic Chemistry in First Class with an aggregate minimum of 65% marks (average of all semesters) or CGPA/CPI grading of a minimum of 6.84 on a 10 scale or equivalent.</p> <p><b>One vacancy of Post No.1361 is a backlog vacancy of PWD(OH- Orthopaedically Handicapped) category. If OH candidate is not be available for this post, HH (Hearing Handicapped with moderate disability) will be considered and therefore, HH candidates (with moderate disability) can also apply. If OH/HH candidates are not available, UR (Un-reserved) candidates will be considered for the post and the reservation for OH will be carried forward.</b></p>	S, ST, W, BN, CL, MF, PP, RW, SE, C, H, L, KC	Development and production of speciality chemicals, polymers and materials for space applications.
1362	01 (VH-01- Low Vision)	M.Sc Mathematics with specialisation in Linear Algebra/Graph Theory/Operations Research/Probability in First Class with an aggregate minimum of 65% marks (average of all semesters) or CGPA/CPI grading of a minimum of 6.84 on a 10 scale or equivalent.	S, ST, BN, KC, W, MF, SE, PP, L, C, RW, H	Plan, Design, Analyse, Develop and Realize mathematical models, algorithm and software for Navigation System.
1363	01	B.E/B.Tech or equivalent in Engineering Physics in First Class with an aggregate minimum of 65% marks (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent.	S, ST, BN, KC, W, MF, SE, PP, L, C, RW, H	Plan, Design, Analyse, Develop and Realize advanced inertial sensors in multi physics environment.
1364	09 (HH-01 OH-01)	B.E/B.Tech or equivalent in Chemical Engineering in First Class with an aggregate minimum of 65% marks (average of all semesters) or CGPA/CPI grading of a minimum of 6.84 on a 10 scale or equivalent.	S, ST, W, BN, CL, MF, PP, RW, SE, C, H, L, KC	Planning and supervision of chemical processes in laboratory level and pilot plants. Design of chemical process equipment, development and scale up of new processes for producing polymers and materials for space applications
For candidates with AMIE/Grad IETE qualification, there should be an aggregate minimum of 65% marks or CGPA/CPI grading of 6.84 on a 10 scale in Section 'B' alone.				

**POST : MEDICAL OFFICER-SC [LEVEL 10( ₹ 56,100 - ₹ 1,77,500/- )]**

Post No	No. of posts	Essential qualifications for the post	Physical Requirements	Nature of job
1365	01 (OH-01)	1. MBBS / equivalent from a recognised University registered with Medical Council of India. 2. Minimum 2 years clinical experience in a reputed hospital.	S, ST, W, BN, MF, RW, SE, H,C	Attending to patients in department clinics, handling medical and surgical emergencies, pre-employment medical check-up, periodic/mandatory medical check-up of employees, providing medical cover during launch activities, providing health education to employees, administrative work of medical units.

Abbreviations	UR=Un-reserved, PWD=Persons with Disabilities, OH=Orthopaedically Handicapped, HH=Hearing Handicapped, S=Sitting, ST=Standing, W=Walking, , BN=Bending, L=Lifting, RW=Reading & Writing, MF=Manipulation by Fingers, SE=Seeing, C=Communication, CRL=Crawling, CL=Climbing, PP=Pulling & Pushing, KC=Kneeling & Crutching, H=Hearing, BA=Both Arms, BLA=Both Legs Arms
---------------	--

**Note:**

1. Persons with Disability (PWD) can apply for the posts suitable to them even if the post is not identified for them. However, such candidates will be considered for selection to such posts by general standard of merit. Persons suffering from not less than 40% of relevant disability shall alone be eligible for the benefit of age relaxation as permissible under rules.
2. The above vacancies may vary depending upon the actual requirement.
3. The Centre reserves the right not to fill up any of the posts, if it so decides.

**HOW TO APPLY**

Applications will be received **on-line only and all further communications will be made to the applicants through e-mail/VSSC website only. Therefore, the applicants are advised to check their e-mail and visit the VSSC website from time to time.** For submission of online applications, please visit VSSC website <http://www.vssc.gov.in> from 1000 hours on 09.10.2017. to 1700 hours on 23.10.2017. ***The candidates registered under National Career Service (NCS) portal and fulfilling the eligibility conditions may visit VSSC website and follow the application procedure as stated above.***

***"Government strives to have a workforce which reflects gender balance and women candidates are encouraged to apply"***

## GENERAL CONDITIONS/INSTRUCTIONS

01. The posts are temporary, but likely to continue.
02. **THOSE WHO POSSESS THE REQUIRED QUALIFICATION AS ON THE LAST DATE OF APPLICATION ONLY NEED TO APPLY.**
03. **AGE LIMIT** (as on 23.10.2017) and Pay & allowances:

SI No	Post No./ Position No.	Post	Age Limit				Approximate Salary per month
			UR	OBC	SC	ST	
01	1353	Scientist/Engineer-SD	No Upper age limit				₹ 81,200/-
02	1354 to 1364	Scientist/Engineer-SC	35 years	35 years	35 years	35 years	₹ 67,300/-
03	1365	Medical Officer-SC	35 years	35 years	35 years	35 years	₹ 67,300/-

Minimum age is 18 years for all posts.

Ex-Servicemen, Meritorious Sportspersons & Persons With Disability (PWD) are eligible for age relaxation as per Government of India orders.

04. The Organisation has a progressive HRD policy which provides an excellent growth potential for the right individual through its periodical merit based performance review system (called Merit Promotion Scheme) de-linked from availability of vacancies at higher post by which the staff are being evaluated for the advancement of their career in the Organisation.
05. The Organisation provides medical facilities (Contributory Health Service Scheme) for self and dependants, free transport facilities/transport allowance, subsidised canteen facilities, housing accommodation subject to availability, in addition to the facilities available to the other Central Government Staff. The Centre has a well-maintained Central School and a well-stocked Library that provides an excellent opportunity for professional development.
06. At present the place of posting is VSSC, Thiruvananthapuram, but the selected candidates are liable to be posted in any of the Units of the Indian Space Research Organisation/Department of Space situated anywhere in India as and when required.
07. Candidates will have to produce the proof of the details furnished in their applications submitted on-line as and when required.
08. **SELECTION PROCESS :**  
Based on the online bio-data, initial screening/written test will be conducted for shortlisting the candidates for interview. The Centre may adopt the method of conducting written test for initial screening or may directly shortlist the candidates for interview by fixing a higher cut-off percentage of marks scored in the essential qualification course. Candidates called for Written Test/interview will have the option to answer the questions in Hindi also. Please note that the qualification prescribed is the minimum requirement and the same does not automatically make candidates eligible for written test/interview/selection. If written test is opted for preliminary screening, the written test score will not reflect in the final selection process. The final selection will be based on performance of candidates in the interview only.
09. The Centre reserves the right not to fill up any of the posts, if it so decides.
10. Only Indian Nationals need apply.
11. No interim correspondence will be entertained.
12. Canvassing in any form will be a disqualification.
13. **Candidates working under Central/State Government, Public Sector Undertakings, Autonomous bodies etc. should submit their application through proper channel or submit 'No objection certificate' at the time of written test/interview.**

14. Candidates possessing Degrees awarded by foreign universities should produce the equivalency certificate issued by Association of Indian Universities (AIU), New Delhi, at the time of interview.
15. Applications submitted without complete information, photo, signature etc. will summarily be rejected.

**PAYMENT OF APPLICATION FEE :**

There will be a **non-refundable** application fee of Rs.250/- (Rupees Two Hundred & Fifty Only) for each application. Fee may be paid online through Credit Card / Debit Card / Internet Banking only through Integrated SBI ePay facility. No other mode of payment will be acceptable and the fee will not be refundable under any circumstances.

**Female/Scheduled Castes (SC)/ Scheduled Tribes (ST)/Ex-serviceman [EX] and Persons with Disabilities (PWD) candidates are exempted from payment of Application Fee. Please note that the applications of non-exempted categories without Application Fee will not be considered.**

**SUBMISSION OF APPLICATION :**

Upon on-line registration, applicants will be provided with an on-line Registration Number, which should be carefully preserved for future reference. The candidates are also advised to take a printout of the online application for future reference.

**The applicant need not send any documents such as print out of online application, copies of certificates/mark lists in proof of educational qualification, work experience, age etc.**

**Note :** In case of submission of duplicate/multiple applications by Female/Scheduled Castes (SC)/ Scheduled Tribes (ST)/Ex-serviceman [EX] and Persons with Disabilities (PWD) candidates, the latest application submitted before the closing date of submission of application shall be considered for further processing. In case of submission of multiple applications by other candidates including OBC, the application against which the 'application fee' has been received within the last date of payment of application fee only will be considered.