



भारत सरकार/Government of India  
अंतरिक्ष विभाग/Department of Space  
भारतीय अंतरिक्ष अनुसंधान संगठन/Indian Space Research Organisation  
**इसरो नोदन कॉम्प्लेक्स/ ISRO PROPULSION COMPLEX**  
महेंद्रगिरि/Mahendragiri - 627 133



**Advertisement No.IPRC/RMT/2017/01 dated 07.10.2017**

ISRO Propulsion Complex (IPRC) located at Mahendragiri, Tirunelveli District, Tamil Nadu is a lead Unit of Indian Space Research Organisation (ISRO) in the area of Liquid and Cryogenic Propulsion for ISRO's Launch Vehicle and Spacecraft Programmes. IPRC is responsible for Research & Development of Propulsion Systems; Assembly, Integration and Testing of Engines, Stages for ISRO Launch Vehicles, Associated Control Systems, Sub-systems and Components of Launch Vehicles; High Altitude Testing of Upper Stage Engines and Space Craft Thrusters; Production and Supply of Propellants for ISRO's Launch Vehicles and Satellite Programmes. IPRC also carries out Research & Development (R&D) and Technology Development Programmes (TDP) towards continual improvement of its contribution to the ISRO Space Programme.

ISRO Propulsion Complex (IPRC) is inviting applications for the following posts:

**ELIGIBILITY CRITERIA**

Code No.	Discipline	No. of Vacancy (ies)	Essential Qualification***
<b>Technical Assistant (Level 6 in the Pay Matrix)</b>			
013	Mechanical	08 (UR - 05, OBC - 02, SC - 01)	First Class Diploma in Mechanical Engineering
018	Electronics	03 (UR-01, OBC - 01, SC - 01)	First Class Diploma in Electronics Engineering
026	Civil	01 (UR - 01)	First Class Diploma in Civil Engineering
<b>Scientific Assistant (Level 6 in the Pay Matrix)</b>			
002	Chemistry	01 (OBC - 01)	First Class Graduation in Chemistry
<b>Technician 'B' (Level 3 in the Pay Matrix)</b>			
003	Fitter	07 (UR - 04, OBC - 02, SC - 01)	SSLC/SSC pass ITI in Fitter Trade NCVT with NTC/NAC
004	Turner	01 (UR - 01)	SSLC/SSC pass ITI in Turner Trade NCVT with NTC/NAC
007	Electrician	01 (SC - 01)	SSLC/SSC pass ITI in Electrician Trade NCVT with NTC/NAC
014	Refrigeration & Air-Conditioning	02 (UR - 01, OBC - 01)	SSLC/SSC pass ITI in Refrigeration & A/C Trade NCVT with NTC/NAC
015	Electronics	03 (UR - 02, OBC - 01)	SSLC/SSC pass ITI in Electronic Mechanic Trade NCVT with NTC/NAC
020	Welder	03 (UR - 01, OBC - 01, SC - 01)	SSLC/SSC pass ITI in Welder Trade NCVT with NTC/NAC
023	Photography	01 (UR - 01)	SSLC/SSC pass ITI in Photographer Trade NCVT with NTC/NAC
<b>Draughtsman 'B' (Level 3 in the Pay Matrix)</b>			
027	Civil	01 (UR - 01)	SSLC/SSC pass ITI in Draughtsman (Civil) Trade NCVT with NTC/NAC
<b>Fireman 'A' (Level 2 in the Pay Matrix)</b>			
008	Fireman 'A'	01 (UR - 01)	SSLC/SSC pass Should satisfy the prescribed Physical Fitness/Endurance Standards
<b>Driver-cum-Operator 'A' (Level 3 in the Pay Matrix)</b>			
016	Driver-cum-Operator 'A'	02 (UR-01, SC-01) Reserved for Ex-serviceman	SSLC/SSC pass with valid HVD license 3 years experience as HVD (should be acquired after obtaining license) Should satisfy the prescribed Physical Fitness/Endurance Standards
<b>Catering Attendant 'A' (Level 1 in the Pay Matrix)</b>			
024	Catering Attendant 'A'	02 (UR - 01, OBC - 01)	SSLC/SSC pass

[UR - Un-reserved, OBC - Other Backward Class, SC - Scheduled Caste ]

\*\*\* Please note that the qualification prescribed is the minimum requirement and the same does not automatically make candidates eligible for Written Test. However, based on the On-line applications received, initial screening will be conducted for shortlisting the candidates for further processing. The Centre may adopt the method of conducting initial screening by fixing a higher cut-off percentage of marks scored in the essential qualification. It may also be noted that the above mode of selection may change as per Govt. of India/DOS orders from time to time.

### **AGE LIMIT (as on 25.10.2017)**

The minimum age for applying the above posts is 18 years. The maximum age limit is prescribed below:

Post Code	Age Limit (as on 25.10.2017)	Age Relaxation
002, 013, 018, 003, 004, 007, 014, 015, 020, 023, 026, 027	35 years	Age relaxation is applicable for SC/ST candidates (5 years) and OBC candidates (3 years) <b><u>for posts reserved for them.</u></b> Ex-Servicemen and Persons with Disabilities (PWD) are eligible for upper age relaxation as per Government of India Rules.
008, 016, 024	25 years	

### **MODE OF SELECTION**

Post Code	Mode of Selection
002, 013, 018, 003, 004, 007, 014, 015, 020, 023, 024, 026, 027	Written Test + Skill Test (Curriculum based)
008, 016	Written Test + Physical Fitness/Endurance Test

The final selection will be done amongst qualified candidates, purely based on the scores obtained by them in the Written Test. From amongst candidates who qualify in the Skill test, with minimum 60% marks, empanelment shall be done in the order of marks obtained in the Written Test. Skill Test, wherever prescribed will be purely on 'go-no-go' basis and marks obtained in the Skill Test shall not be considered for final selection. In case of a tie in Written Test scores, the academic scores of the prescribed qualification shall be the tie breaker.

**Note:** The Written Test/Skill Test will be conducted in Nagercoil/Mahendragiri only.

### **SYLLABUS**

The Syllabus for Written Test and Skill Test for the posts excluding post codes 008 & 016 is purely based on the academic syllabus of the prescribed educational qualification.

#### **SYLLABUS FOR WRITTEN TEST FOR THE POST OF FIREMAN 'A' [POST CODE: 008]**

- Basic chemistry with reference to flammable liquids and gases
- LPG properties
- Relation between
  - Pressure, volume and temperature
  - Areas of triangle, rectangle and parallelogram
  - Volumes of cylinders, cones, sphere and cuboid
- Properties of Water, CO<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub>, Inert gases
- Basic concept in the use of electricity and its hazards
- Simple Arithmetic (of Class X standard), Basic English, General Knowledge and Current Affairs

#### **SYLLABUS FOR WRITTEN TEST FOR THE POST OF DRIVER-CUM-OPERATOR 'A' [POST CODE: 016]**

- Basic chemistry with reference to flammable liquids and gases
- LPG properties
- Relation between
  - Pressure, volume and temperature
  - Areas of triangle, rectangle and parallelogram

- Volumes of cylinders, cones, sphere and cuboid
- Properties of Water, CO<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub>, Inert gases
- Basic concept in the use of electricity and its hazards
- Traffic regulations
- Trouble shooting and maintenance of vehicles
- Battery maintenance and charging
- Upkeep of log books
- Simple Arithmetic (of Class X standard), Basic English, General Knowledge and Current Affairs

#### **PHYSICAL FITNESS STANDARDS FOR POST CODES 008 & 016**

01. No deformity (inter-alia, bow legs, knock knees or flat foot shall be a disqualification)
02. Height - 165 cm (minimum)
03. Weight - 50 kg (minimum)
04. Chest - 81 cm (minimum)  
Chest on expansion - 86 cm (minimum)
05. Distant Vision - 6/6 without glasses or any other aid
06. Near Vision - Normal, but presbyopic correction for persons above 40 years
07. Night blindness is a disqualification
08. Colour blindness is a disqualification
09. Each eye must have full field of vision
10. Squint or any other morbid condition of the eyes, or of the eyelids of either eye liable to the risk of aggravation or recurrence, shall be deemed to be a disqualification.

#### **PHYSICAL ENDURANCE STANDARDS FOR POST CODES 008 & 016**

SI No	Events	Qualification Criteria
01.	100 metres run	13 sec
02.	High Jump	5 ft (152.40 cm)
03.	Long Jump	17 ft (5.19 m)
04.	Putting the shot of 7.27 kg (16 lbs)	24 ft (7.32 m)
05.	Throwing the Cricket ball	225 ft (68.58 m)
06.	Rope climbing (only hands)	14 ft (4.27 m)
07.	Pull-ups	10 Nos.
08.	1500 metres run	5 min 15 sec

**Out of the above 8 events, candidates should select and qualify in atleast five. For qualifying in each event, minimum Two Star rating is essential.**

#### **HOW TO APPLY**

- i. Applications will be received **ON-LINE ONLY**. Physical applications will not be entertained.
- ii. The candidates registered under National Career Services (NCS) portal and fulfilling the eligibility conditions may visit ISRO website and follow the application procedure as stated.
- iii. The applicants should furnish their **e-Mail ID CORRECTLY and COMPULSORILY** upon ON-LINE registration. All further intimations to eligible candidates will be sent through **e-Mail only**.
- iv. After confirmation, your **ONLINE REGISTRATION NUMBER** will be displayed on the screen. Carefully note down and preserve this **ONLINE REGISTRATION NUMBER** for future references.
- v. The candidates need not send any print-outs or certificate copies to this Office. However, the candidates shall be liable to produce the originals of all documentary evidences during Skill Test.
- vi. Applicants who are currently employed under Central/State Govt./Public Sector Undertaking/Autonomous Organisation should submit **No Objection Certificate** from their employer while attending the Skill Test.
- vii. On-line application will be accepted from **09.10.2017, 10:00 Hrs** until **25.10.2017, 16:00 Hrs**.

- viii. It may be clearly noted that Online application once submitted cannot be edited later. Hence if any changes are to be made, the Applicant may apply once again. In case of multiple applications, the latest application will be considered.

## GENERAL CONDITIONS

- a. Only Indian Nationals are eligible to apply.
- b. The posts are temporary, but likely to continue indefinitely.
- c. Rounding off of marks not permitted.
- d. Those who possess the required qualification as on the last date of application only need to apply. Further selection process will be carried out on the basis of the information entered by the candidates in the On-line Application. Hence, any mismatch found in future at any stage of the recruitment process will summarily reject the candidature of the candidate.
- e. The essential qualifications for the above posts should have been acquired from a recognized State Board/University.
- f. Candidates will have to produce original documents in proof of the details such as qualifications, work experience, age, caste etc. furnished in their application including No-Objection certificate from current employer, in case candidate is employed, at the time of Skill Test for verification. **Those who fail to produce the said documents will not be allowed to attend the Skill Test.**
- g. Initially the place of posting will be in IPRC, but the candidates are liable to be posted in any of the Centres or Units of ISRO or Department of Space situated anywhere in India as and when required.
- h. For the above posts, the Organization has a progressive HRD policy and provides an excellent growth potential through its Merit Promotion Scheme where the employees are reviewed and promoted to next grade on merit after a prescribed residency period without reference to vacancies.
- i. Attractive benefits such as Medical (CHSS - Contributory Health Service Scheme) for self and dependents, Subsidized Canteen, Transport in lieu of Transport Allowance, Quarters in lieu of House Rent Allowance and other social security measures are provided to ISRO employees in addition to the facilities available to other Central Government employees such as House Building Advance, Leave Travel Concession, National Pension Scheme etc. The Unit also has a well-stocked Library that provides an excellent opportunity for professional development.
- j. The Unit reserves the right not to fill-up any of the posts, if it so decides.
- k. Those intending to apply for more than one post should submit separate applications for each post.
- l. **GOVERNMENT STRIVES TO HAVE A WORKFORCE WHICH REFLECTS GENDER BALANCE. HENCE, WOMEN CANDIDATES ARE ENCOURAGED TO APPLY.**
- m. CANVASSING in ANY FORM will be a DISQUALIFICATION.
- n. No interim correspondence will be entertained. Any urgent queries or grievances shall be addressed to [career@iprc.gov.in](mailto:career@iprc.gov.in).

## SCHEDULE OF EVENTS

Opening Date of On-line Registration	:	October 09, 2017 10.00 Hrs
Closing Date of On-line Registration	:	October 25, 2017 16.00 Hrs

**Join IPRC/ISRO and excel in your career.  
Together we can endeavor in heightening the Indian Space Programme  
and towards National Development.**

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