

Society for Applied Microwave Electronics Engineering and Research
IIT-B Campus, Hillside Powai, Mumbai 400-076

Advertisement No. 11 /2023
RECRUITMENT FOR CONTRACT POSITIONS

Society for Applied Microwave Electronics Engineering & Research (SAMEER) is a premier RF & Microwave R&D Laboratory under the aegis of the Ministry of Electronics and Information Technology (MeitY), Government of India. It has 5 Centres all over the country and undertakes state of the art design and development projects in advanced/next generation technologies and also providing electromagnetic compliances and consultancy services for the industry. SAMEER provides the right environment for budding engineering and science graduates to gain hands-on experience with latest technology, instrumentation and softwares. It gives opportunity to meet and interact with eminent scientists and academia which is a great starting point to further ones professional and academic goals.

SAMEER is looking for suitable persons at Mumbai / Navi-Mumbai for its various projects on consolidated pay. These are contractual appointments and shall not confer any right for regularization / absorption or continuation of service in SAMEER. Description of Posts and essential requirements for the post are given below.

Please read the General Instructions and Contractual Terms before applying.

APPLICATION LINK CLOSES ON 16th JANUARY 2024:

Official Website: https://sameer.gov.in/recruitments_training

To Apply online: - <https://recruit.sameer.gov.in/>

Description of Posts:

| Post Description | Abbrev. | Positions | Post Description | Abbrev. | Positions |
|--|---------|-----------|---|---------|-----------|
| Project Assistant (Electronics/Medical) | PA-EL | 20 | Senior Research Scientist (Electronics) | SRS-EL | 03 |
| Project Assistant (Physics) | PA-PH | 02 | Senior Research Scientist (Physics) | SRS-PH | 02 |
| Project Assistant (Mechanical) | PA-ME | 05 | Research Scientist (RF & Microwaves) | RS-MW | 06 |
| Project Technician (Electronics/Electronic-Mechanic) | PT-EL | 15 | Research Scientist (Electronics) | RS-EL | 26 |
| Project Technician (Electrician) | PT-EE | 01 | Research Scientist (Physics) | RS-PH | 04 |
| Project Technician (Fitter) | PT-FT | 08 | Research Scientist (Safety Electronics/Lab) | RS-SF | 01 |
| Project Technician (Machinist) | PT-MC | 01 | Research Scientist (Computers & IT) | RS-IT | 03 |
| Project Technician (Welder) | PT-WL | 02 | Research Scientist (Mechanical) | RS-ME | 03 |
| Project Technician (Electro-plater) | PT-EP | 02 | | | |

*Please Note: the number of positions are purely indicative which may decrease or increase depending on suitable candidates being selected and approved and as per project requirements.

Qualifications for posts applied & work description:

| [A] SENIOR RESEARCH SCIENTIST | | |
|--------------------------------------|------------------------------|---|
| 01 | Discipline | Electronics / Electronics & Telecommunications |
| | Post Code | SRS-EL |
| | Designation | Senior Research Scientist (SRS) |
| | Essential Qualification | Bachelor Degree in Engineering or Bachelor Degree in Technology (B.E. or B. Tech.) or Master's Degree in Engineering or Technology (ME or M. Tech) in the field of Electronics & Telecommunications, Electronics, Instrumentation & Controls, Microwaves or Masters in Electronics (M.Sc. Electronics) from a recognized University with minimum 55% marks |
| | Experience & Job description | Experience: 5 years design and development experience. Candidate is required to have 5 years' experience in few or more of the relevant areas such as digital communications, control systems & instrumentation, analog circuits, digital circuits, signal processing, image processing, working knowledge of hardware programming languages, hands-on experience of technical design software's such as LabVIEW, MATLAB, HFSS, CST etc and high level programming languages |
| 02 | Discipline | Physics |
| | Post Code | SRS-PH |
| | Designation | Senior Research Scientist (SRS) |
| | Essential Qualification | Master Degree in Science (MSc) Physics from a recognized university OR B. Tech. (Engineering Physics) from IIT/NIT with minimum 55% marks Desirable: candidates having experience in processing of vacuum tubes. Experience: 5 years design and development experience |
| | Experience & Job description | Experience: 5 years' design and development experience. Candidate is required to have 5 years research experience in field of Accelerator Physics/ Radiation Physics/ Vacuum systems/ Monte Carlo Simulations/ Medical Physics etc |

| [B] RESEARCH SCIENTIST | | |
|-------------------------------|-------------------------|--|
| 03 | Discipline | Electronics / EXTC |
| | Post Code | RS-EL & RS-MW |
| | Designation | Research Scientist (RS) |
| | Essential Qualification | Bachelor Degree in Engineering or Bachelor Degree in Technology (B.E. or B. Tech.) or Master's Degree in Engineering or Technology (ME or M. Tech) in the field in Electronics & Telecommunications, Electronics, Instrumentation & Controls, Microwaves or Masters in Electronics (M.Sc. Electronics) from a recognized University with minimum 55% marks |
| | Job description | Candidate is required to have interest and ability to work in few or more of the following domain areas - Design & Development of Electronics/RF sub-systems, Analysis, Integration and testing of Electronic/RF/Microwave components, embedded processing for FPGA/ ARM based processors, PLC/ FPGA based Control Systems and similar activities, data processing and monitoring systems, high power pulsed systems & EMI/C Test and Measurements activities such as Antennas/RF/System calibration, characterization etc |
| 04 | Discipline | Physics |
| | Post Code | RS-PH |
| | Designation | Research Scientist (RS) |
| | Essential Qualification | Master Degree in Science (MSc) Physics from a recognized university OR B.Tech. (Engineering Physics) from IIT/NIT with minimum 55% marks |
| | Job description | Candidates are expected to take up developmental research in field of Accelerator/ Radiation Physics/ Vacuum systems/ Monte Carlo Simulations/ Medical Physics etc. |

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| 05 | Discipline | Safety |
| | Post Code | RS-SF |
| | Designation | Research Scientist (RS) |
| | Essential Qualification | Bachelor Degree in Engineering or Bachelor Degree in Technology (B.E. or B. Tech.) or Master's Degree in Engineering or Technology (ME or M.Tech) in Electrical Engineering with minimum 55% Marks along with Degree / PG Diploma in Industrial / Electrical Safety recognized by State/ Central Govt as per the industrial safety rules. <u>Desirable:</u> 1 or 2 years' experience as Safety Officer |
| | Job description | Implementation of Industrial safety standards and protocols at workplace including electrical, fire, mechanical safety Implementation of safe work practices at work place Implementation of internal safety audit and supporting for documentation for third party audit. |
| | | |
| 06 | Discipline | Information Technology / Computer Science |
| | Post Code | RS-IT |
| | Designation | Research Scientist (RS) |
| | Essential Qualification | Bachelor Degree in Engineering or Bachelor Degree in Technology (B.E. or B. Tech.) or Master's Degree in Engineering or Technology (ME or M.Tech) in Computer Science/Information Technology with minimum 55% Marks |
| | Job description | Database management, GUI development, LARA, LARAVel, Python, C, C++ and website related work including Drupal |
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| | | |
| 07 | Discipline | Mechanical Engineering |
| | Post Code | RS-ME |
| | Designation | Research Scientist (RS) |
| | Essential Qualification | Bachelor Degree in Engineering or Bachelor Degree in Technology (B.E. or B. Tech.) or Master's Degree in Engineering or Technology (ME or M.Tech) in Mechanical Engineering with minimum 55% Marks |
| | Job description | Development of mechanical jigs, fixtures, alignment etc for workshop related fabrication. Development of precision machining techniques and workshop management. 3D Modelling and Analysis. Participating in integration of sub-systems, systems and supporting in system delivery as per the project requirement. Metrology and development of techniques for measurement. |
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| [C] | PROJECT ASSISTANT A/B/C | |
|-----|-------------------------|--|
| 8 | Discipline | Electronics |
| | Post Code | PA-EL |
| | Designation | Project Assistant |
| | Essential Qualification | Diploma in Electronics/Medical Electronics from a recognized Technical Board with minimum of 55% marks |
| | Job description | Electronics/Microwave/Medical electronics component level bread-board / printed circuit design experimentation, monitoring, fault analysis, test bench reports, integration, field evaluation activities, Physical and Visual Inspections and laboratory upkeep and maintenance, |
| | | |
| 9 | Discipline | Physics |
| | Post Code | PA-PH |
| | Designation | Project Assistant |
| | Essential Qualification | B.Sc. (Physics) from a recognized university with minimum of 55% marks |
| | Job description | Vacuum Tube processing, design experimentation, monitoring, analysis, test bench reports, integration & evaluation activities and maintenance activities, PI and VI activities, maintenance of test equipment etc |
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| 10 | Discipline | Mechanical |
| | Post Code | PA-ME |
| | Designation | Project Assistant |
| | Essential Qualification | Diploma in Mechanical Engineering from recognised technical board with minimum of 55% marks |
| | Job description | Engg. Drawing, Prototyping and Fabrication of mechanical designs , inspection of fabricated jobs, inspection reports, monitoring integration and stores for raw materials of mechanical designs / jobs |

| [E] | PROJECT TECHNICIAN A/B/C | |
|-----|--------------------------|---|
| 11 | Discipline | Electronics |
| | Post Code | PT-EL |
| | Designation | Project Technician |
| | Essential Qualification | Candidate should have passed ITI (Electronics) from govt. affiliated board of technical/vocational education and completed NCTVT with minimum of 55% marks |
| | Job description | Electronics/Microwave component level soldering, cabling, harnessing, assembly of modules, Physical and Visual Inspections, laboratory upkeep and maintenance, assisting in field evaluation etc |
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| 12 | Discipline | Electrical |
| | Post Code | PT-EE |
| | Designation | Project Technician |
| | Essential Qualification | Candidate should have passed ITI (Electrical) from govt. affiliated board of technical/vocational education and completed NCTVT with minimum of 55% marks |
| | Job description | Electronics/Microwave subsystem processes, operation and maintenance of Hydrogen and Vacuum Furnaces, related electrical equipment such as switch boards, cabling, pumps, coils etc and general upkeep of facility. |
| | | |
| 13 | Discipline | Fitter |
| | Post Code | PT-FT |
| | Designation | Project Technician |
| | Essential Qualification | Candidate should have passed ITI (Fitter) from govt. affiliated board of technical/vocational education and completed NCTVT with minimum of 55% marks |
| | Job description | Fitting activities including drilling, tapping, cutting and bending, assembly of parts, housing and overall equipment/system. General upkeep of facility. |
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| 14 | Discipline | Machinist |
| | Post Code | PT-MC |
| | Designation | Project Technician |
| | Essential Qualification | Candidate should have passed ITI (Machinist) from govt. affiliated board of technical/vocational education and completed NCTVT with minimum of 55% marks |
| | Job description | Machining of precision components on milling machines in tool room type workshops and general upkeep of facility. |
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| 15 | Discipline | Welder |
| | Post Code | PT-WL |
| | Designation | Project Technician |
| | Essential Qualification | Candidate should have passed ITI (Welder) from govt. affiliated board of technical/vocational education and completed NCTVT with minimum of 55% marks |
| | Job description | Welding of fabrication assy., mech. components, process fabrication etc and general upkeep of facility. |
| | | |
| 16 | Discipline | Electroplater |
| | Post Code | PT-EP |
| | Designation | Project Technician |
| | Essential Qualification | Candidate should have passed ITI (Electroplater/Chemical) from recognised technical board with minimum of 55% marks |
| | Job description | Assisting in Electroplating and Surface finishing of jobs using chemical treatment processes, handling of Chemicals, maintenance of facility etc |

| Important Instructions and Contractual Terms | |
|---|--|
| Consolidated Pay/ Remuneration | : Senior Research Scientist: Rs. 39,200 /- per month (5yrs or more experience) : Research Scientist: Rs. 30,000/- per month : Project Assistant (A): Rs. 17,000/- per month : Project Assistant (B): Rs. 21,500/- per month (3yrs or more experience) : Project Assistant (C): Rs. 27,000/- per month (8yrs or more experience) : Project Technician (A): Rs. 15,100/- per month : Project Technician (B): Rs. 19,100/- per month (3yrs or more experience) : Project Technician (C): Rs. 23,600/- per month (8yrs or more experience) |
| Upper Age Limit to apply/be eligible for post | : 30 years for Research Scientist : 35 years for Senior Research Scientist : 25 years for Project Assistants (A) and Project Technicians (A) : 35 years for Project Assistants (B) and Project Technicians (B) : 35 years for Project Assistants (C) and Project Technicians (C) |
| Duration of Contract | : 2-Years Contract OR duration of the project, whichever is less |
| Screening Test | : Written/Screening tests will be conducted as per requirement for respective posts. : Dates will be announced online at https://sameer.gov.in |
| Reporting Time | : Details will be announced online on SAMEER webpage |
| Physical Venue / Online Mode | : Details will be announced online on SAMEER webpage |
| Last Date for Application | : 16th January 2024 |
| Documents Required (to be brought along at time of written test/interview) | (1) Duly Filled Application Form (available on the SAMEER website). (2) Proof of Date of Birth (3) Passport Size Photograph (4) 10 th Standard Mark List (5) 12 th Standard Mark List (as applicable) (6) ITI Certificate (for Project Technician Posts) (7) NCTVT Certificate (for Project Technician Posts) (8) Qualifying Exam Passing Certificate (as per post applied) (9) Qualifying Exam Marks for all years (as per post applied) (10) Experience Certificate (duly signed and stamped) <u>Note:</u> <input type="checkbox"/> The Application form <u>should not</u> be sent by post. <input type="checkbox"/> Candidates should bring one set of photocopy of all documents for submission with application along with originals. <input type="checkbox"/> The selected candidates may be posted in any of the project sites in the country as per requirement |

General Terms and Conditions

1) Age Limit:

Eligibility date for age will be closing date of the receipt of application as on closing date of the advertisement.

As this is a purely contract appointment, no age concession for reserved category, ex-servicemen or others will apply.

2) How to Apply:

- (i) Applications for all POSTS will be accepted ONLINE only.
- (ii) All interested candidates must login to <https://recruit.sameer.gov.in> till midnight of the CLOSING DATE of the advertisement. Instructions along with deadline for filling the forms are available in the same link. Once candidate fills the online information, s/he can edit it as s/he wants. Finally, the candidate/applicant must CLICK "FINAL SUBMIT" on which a PDF file will be generated. Candidates are required to get a printout of the PDF file and bring it along with all the originals and one set of photo-copies of all the original documents when appearing for the written test and interview.
- (iii) Candidates will NOT be allowed to appear for the written test / interview without print-out of the online submitted form (PDF file) as indicated above.
- (iv) Result of screening test (written examination) will be announced and only those candidates who qualify will be called for interviews on the same date or on date scheduled which will be announced accordingly.
- (v) Candidates should possess the prescribed experience in the one or more of the relevant fields as mentioned under the column "Experience" with documentary proof.
- (vi) The experience gained in Research Scientists/or equivalent posts will only be counted as relevant experience for Sr. Research Scientist. Crucial date for counting experience will be the closing date of applications. The relevant experience possessed before acquiring the essential qualifications will not be counted. Selection will be made purely on merit and mere work experience of SAMEER will be no ground for preference.

3) Selection Procedure:

- (i) Candidates applying for SRS and RS posts who fulfil the prescribed qualifications shall be required to appear for written test(s) for screening of candidates.
- (ii) Candidates applying for Project Assistant and Project Technician posts who fulfil the prescribed qualifications shall be required to appear for written test and/or skill test for screening of candidates.
- (iii) Candidates shortlisted after the screening tests shall require to appear for personal interview. Date, Time and Venue will be announced online subsequently. Kindly follow our webpage link <http://sameer.gov.in>
- (iv) Candidates who fulfil the prescribed qualifications will be able to download the Identity Card directly via weblink. A printout of the ID is required to be presented for the screening test and interview.
- (v) Final selection will be based on performance in the interview which will be held at the venue (unless instructed otherwise) as mentioned in the admit card.

4) General Note:

- (i) Candidates, who possess the prescribed degree/certificate with minimum 55% or equivalent CGPA awarded by the university / board up to the closing date of application, will only be considered.
- (ii) For the post of Senior Research Scientist, crucial date for counting experience will be the closing date of applications. The relevant experience possessed before acquiring the essential qualifications will not be counted. In such cases, the required experience will be counted only from the date the essential qualifications acquired. Experience must be in field of active research/work and/or development related to the field/domain mentioned.
- (iii) The prescribed essential qualifications/experience is bare minimum and mere possession of the same does not entitle candidates to be called for written test/skill test and/or interview.

5) TA/DA will NOT be paid to candidates for appearing for screening tests and/or interview.

6) SAMEER reserves the right to reject or accept the candidature of any applicant at any stage.

