

**CSIR-CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE**  
(Council of Scientific & Industrial Research)  
196, Raja S. C. Mullick Road, Kolkata-32, website: [www.cgcri.res.in](http://www.cgcri.res.in)

**No.GC/R&A/joint/Jul/2021**

**Online Applications are invited for Online-Interview** from bonafide Indian citizens in the following purely temporary project(s), tenable at CSIR-CGCRI, Kolkata as per details furnished below. Before sending the applications, please read full contents of this notification for detailed information and guidance:

**Dates of receipt of Applications: 13.08.2021 & 14.08.2021 only**

| Project No. & Project Title and Tenure   | Position, No. of Positions, Stipend   | Essential Qualification, Age (last date of receipt of application)  | Advt. No.                         | Applications may be sent to |
|--|---|---|-----------------------------------|-----------------------------|
| GAP0178<br>"CW/Modulated Thulium Fiber Laser (TFL) System for soft tissue vaporization/Ablation"<br>Tenure: Initially 1 Year, likely to be extended upto <b>29.06.2023</b> , depending upon satisfactory performance of the candidate or<br>Co-terminus with the duration of the project, whichever is earlier | Project Scientist-I – 01 No.<br>Stipend – Rs.56,000/- + HRA as admissible p.m | Ph.D. (Science)<br>Or<br>ME/M.Tech Laser Physics/Laser Technology/Fibre Laser/amplifier or equivalent<br><br><b>Desirable:</b><br>Candidate(s) with uniformly outstanding academic record and clear potential for high quality R&D work having 4 years of experimental research and should have SCI Journal paper (at least 4 nos. in Fibre laser) is desirable.<br><br>Age: 35 Years<br><br>The upper age limit is relaxable upto 5 years in case of candidates belonging to SC/ST/Physically Handicapped/Visually Handicapped/Female whereas 3 years in case of OBCs (Non-Creamy layer candidates). | GC/R&A/GAP0178/AP/FOPD/2021-22(2) | atasi@cgcri.res.in          |

| Project No. & Project Title and Tenure  | Position, No. of Positions, Stipend   | Essential Qualification, Age (last date of receipt of application)   | Advt. No.                    | Applications may be sent to |
|---|---|--|------------------------------|-----------------------------|
| GAP0265<br>"Mesoporous antibacterial bioactive glass microsphere impregnated non woven surgical cotton gauze based haemostatic dressing for profusely bleeding military wounds"<br>Tenure: Initially 6 Months, likely to be extended upto <b>19.08.2023</b> , depending upon satisfactory performance of the candidate or<br>Co-terminus with the duration of the project, whichever is earlier | Sr. Research Fellow – 01 No.<br>Stipend – Rs.35,000/- + HRA as admissible p.m | M.Sc in Chemistry/Physics with at least 55% marks and one publication in SCI Journal and should have completed at least two years of post M.Sc research experience<br>Or<br>ME/M.Tech in Ceramic Tech./Biomedical Engg or equivalent with at least 60% marks or equivalent<br>CGPA/DGPA<br>Or<br>M.Pharma with at least 55% marks and one publication in SCI Journal and should have at least one year research experience.<br><br>Age: 32 Years<br><br>The upper age limit is relaxable upto 5 years in case of candidates belonging to SC/ST/Physically Handicapped/Visually Handicapped/Female whereas 3 years in case of OBCs (Non-Creamy layer candidates). | GC/R&A/GAP0265/JC/2021-22(3) | juj@cgcri.res.in            |

| Project No. & Project Title and Tenure   | Position, No. of Positions, Stipend  | Essential Qualification, Age (last date of receipt of application)   | Advt. No.                     | Applications may be sent to |
|--|--|--|-------------------------------|-----------------------------|
| GAP0179<br>“Utilisation of toxic wastes as potential sources of colouring ingredient in glass making”<br>Tenure: Upto 29.12.2023<br>or<br>Co-terminus with the duration of the project, whichever is earlier | Junior Research Fellow – 01 No.<br><br>Stipend – Rs.31,000/- + HRA as admissible p.m | BE/B.Tech./ME/M.Tech in Chemical Engg./Chemical Tech./Ceramic Tech. with NET/GATE<br>Or<br>M.Sc. in Chemistry(Applied/Inorganic/Analytical) with NET/GATE<br><br>Preference will be given to those candidates having 1 <sup>st</sup> Class Degree with some research experience in the respective field.<br><br>Age: 28 Years<br><br>The upper age limit is relaxable upto 5 years in case of candidates belonging to SC/ST/Physically Handicapped/Visually Handicapped/Female, whereas 3 years in case of OBCs (Non-Creamy layer candidates). | GC/R&A/GAP0179/AKM/2021-22(4) | ashis@cgcri.res.in          |

| Project No. & Project Title and Tenure   | Position, No. of Positions, Stipend  | Essential Qualification, Age As on last date of receipt of application   | Advt No.                          | Applications may be sent to |
|--|--|--|-----------------------------------|-----------------------------|
| HCP0030 (WP3)<br>“Development of Silicon Carbide/ Oxycarbide based Materials for Direct White Light Emission Application”<br>Tenure: (i) For Project Associate-I initially 8 months, likely to be extended upto <b>30.06.2023</b><br><br>(iii) for Project Assistant initially 8 months, likely to be extended upto 30.11.2022<br><br>(iii) For Senior Project Associate <b>Initially 8 months</b> , likely to be extended upto 31.07.2022, depending upon satisfactory performance of the candidate<br>or<br>Co-terminus with the duration of the project, whichever is earlier | Project Associate-I - 01 No.<br><br>Stipend – (i) Rs. 31,000/- + HRA As admissible p.m for Scholars who are selected through a) National Eligibility Tests-CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or b) A selection process through National level examinations conducted by Central Govt. Departments and their Agencies Institutions<br><br>Or<br><br>(ii) Rs.25,000/-+HRA As admissible p.m for others who do not fall under (i) above. | M.Sc in Physics/Electronics or equivalent<br>Or<br>BE/B.Tech in Material Science & Engg./Materials Science & Metallurgical Engg./Ceramic/Engg./Electronics & Instrumentation or equivalent.<br><br><b>Desirable:</b> R&D/Industry Exposure for at least one Year to one or more of the following areas:<br>a) Synthesis & Characterization of Advanced/Non OxideCeramic Materials.<br>b) LED Materials<br>c) Design and Fabrication of Sensor Devices<br>d) LED Devices<br>e) Finite element analysis<br>f) Quasi-Static and/or Dynamic Mechanical Testing of Materials under Room Temperature and High Temperature etc.<br><br>(Note: The candidate should submit one page synopsis of his/her work experience related to the above area(s) without which the candidate may not be considered)<br><br>Age: 35 Years<br><br>The upper age limit is relaxable upto 5 years in case of candidates belonging to SC/ST/Physically Handicapped/Visually Handicapped/Female whereas 3 years in case of OBCs (Non-Creamy layer candidates). | GC/R&A/HCP0030(WP3)/DS/2021-22(5) | dsanyal@cgcri.res.in        |
|  | Project Assistant-01 No.<br><br>Stipend-Rs.20,000+ HRA As admissible p.m   | B.Sc. (Physics, Chemistry, Mathematics, Biology)<br>Or<br>3-year Diploma in Engineering & Technology<br><br><b>Desirable:</b> R&D/Industry Exposure for at least 6 months to one or more of the following areas:<br>a) Synthesis & Characterization of Ceramic/Metallic Materials<br>b) Fabrication of Sensors and Sensor Devices<br>c) Python Scripting and Arduino/Raspbery Card Based Data Acquisition and Sensing.<br><br>(Note: The candidate should submit one page synopsis of his/her work experience related to the above area(s) without which the candidate may not be considered)<br><br>Age: 50 Years<br><br>The upper age limit is relaxable upto 5 years in case of candidates belonging to SC/ST/Physically Handicapped/Visually Handicapped/Female whereas 3 years in case of OBCs (Non-Creamy layer candidates).   |                                   |                             |

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|  | <p>Senior Project Associate - 01 No.</p> <p>Stipend – Rs. 42,000/- + HRA As admissible p.m</p> | <p>M.Sc in Physics/Electronics or equivalent with 4 years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services</p> <p>Or</p> <p>BE/B.Tech in Materials Engg./Ceramic Engg./Electronics &amp; Instrumentation Engg or equivalent with 4 years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.</p> <p>OR</p> <p>Doctoral Degree in Physics/ Electronics/Material Science &amp; Engg./Engineering Science or equivalent from a recognized University</p> <p><b>Desirable:</b> R&amp;D/Industry Experience in Thin Film Technology and/or Semiconducting Materials and Devices.<br/>(Note: The candidate should submit one page synopsis of his/her work experience related to the above area(s) without which the candidate may not be considered)</p> <p>Age: 40 Years</p> <p>The upper age limit is relaxable upto 5 years in case of candidates belonging to SC/ST/Physically Handicapped/Visually Handicapped/Female whereas 3 years in case of OBCs (Non-Creamy layer candidates).</p> |  |  |
|--|--|--|--|--|

| Project No. & Project Title and Tenure   | Position, No. of Positions, Stipend   | Essential Qualification, Age As on last date of receipt of application  | Advt No.                         | Applications may be sent to |
|--|---|---|----------------------------------|-----------------------------|
| <p>HCP0030 (WP5)</p> <p>"Development of Flexible Piezo-Sensor Platforms for Engineering Critical Applications"</p> <p>Tenure: <b>Initially 8 months</b>, likely to be extended, depending upon satisfactory performance of the candidate<br/>or<br/>Co-terminus with the duration of the project, whichever is earlier</p> | <p>Project Associate-I - 01 No.</p> <p>Stipend – (i) Rs. 31,000/- + HRA As admissible p.m for Scholars who are selected through a) National Eligibility Tests-CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or b) A selection process through National level examinations conducted by Central Govt. Departments and their Agencies Institutions</p> <p>OR</p> <p>(ii) Rs.25,000/-+HRA As admissible p.m for others who do not fall under (i) above.</p> | <p>BE/B.Tech in Material Science &amp; Engg./ Mechanical &amp; Automation Engg./Electronics &amp; Instrumentation Engg. or equivalent</p> <p><b>Desirable:</b> R&amp;D/Industry Exposure for at least 1 Year to one or more of the following areas:</p> <ol style="list-style-type: none"> <li>Finite element analysis along with experimental work related to Quasi-Static and/or Dynamic Mechanical Testing of Materials under Room Temperature and High Temperature.</li> <li>Sensor Design and Development including Digital Signal Processing and Analysis in the area related to Strain Sensing/Ultrasonic Non Destructive Testing.</li> <li>Programming in Labview &amp; other high level languages etc./Arduino or Raspberry Pi-based data acquisition and analysis.</li> </ol> <p>(Note: The candidate should submit one page synopsis of his/her work experience related to the above area(s) without which the candidate may not be considered)</p> <p>Age: 35 Years</p> <p>The upper age limit is relaxable upto 5 years in case of candidates belonging to SC/ST/Physically Handicapped/Visually Handicapped/Female whereas 3 years in case of OBCs (Non-Creamy layer candidates).</p> | GC/R&AHCP0030(WP5)/DS/2021-22(6) | dsanyal@cgcri.res.in        |

|  |  |   |  |  |
|--|--|---|--|--|
|  | <p>Project Assistant-01 No.<br/>Stipend-Rs.20,000+ HRA<br/>As admissible p.m</p> | <p>B.Sc. (Physics, Chemistry, Mathematics, Biology)<br/>Or<br/>3-year Diploma in Engineering &amp; Technology</p> <p><b>Desirable:</b> R&amp;D/Industry Exposure for at least 6 months to one or more of the following areas:</p> <p>a) Study of mechanical behaviour of glass and ceramic materials using Universal Testing Machine at room/high temp.<br/>b) Sample preparation for glass and ceramic materials (grinding, cutting, polishing etc.)<br/>c) Sintering of ceramics in furnaces etc.</p> <p>(Note: The candidate should submit one page synopsis of his/her work experience related to the above area(s) without which the candidate may not be considered)</p> <p>Age: 50 Years</p> <p>The upper age limit is relaxable upto 5 years in case of candidates belonging to SC/ST/Physically Handicapped/Visually Handicapped/Female whereas 3 years in case of OBCs (Non-Creamy layer candidates).</p> |  |  |
|--|--|---|--|--|

The candidates are requested to send their applications only to the respective e-mails, duly typed (No Hand-writing Application will be allowed) in the Application Format as provided (the attachment of application to be sent to the respective e-mails, must be in PDF format. Signature and photograph may be filled up by scanning, without which applications will be rejected) and also filled by typing the Data-Sheet in Excel-Sheet (soft copy only) as per format provided below:

**The dates of sending Applications: 13.08.2021 & 14.08.2021 ONLY. Applications received before or after these stipulated dates will NOT be considered.**

**Tentative date of online Interview through MS-Team: will be notified on the website in due course of time.**

**Cutoff date for Age, Qualification: As on Last Date of sending application as mentioned above.**

#### General Conditions

1. The candidate must mention the position applied for and Project No. **ONLY** in the subject of the E-mail.
2. The application should be attached only in PDF format and the Data-Sheet should be attached in Excel format only.
3. **Incomplete applications/different format other than as mentioned above will be summarily rejected.**
4. Eligible applicants will be interviewed online and the date and time of online interview will be intimated in due course of time. They are requested to follow the CGCRI website regularly for any update in this regard.
5. Based on the performance of the candidates, Selection Committee will recommend final selection and may also make Panels for future engagement.
6. Only online application form needs to be submitted and no further attachment. However, scanned copy of all the certificates/testimonials need to be kept ready during the online interview which may be sought for preliminary verification. However, the original documents will be required after final selection/wait-listing, subject to verification of eligibility as per Advertisement and if subsequently CSIR-CGCRI finds ineligible for the position, the Director, CSIR-CGCRI, reserves the right to cancel the candidature even after finalization/publication of results.
7. Applications for multiple positions should be submitted separately for each position. No combined application will be entertained.
8. **The date for determining age/qualification and experience shall be the last date of submission of online application.**
9. **If huge numbers of applications are received, the applications will be screened for short-listing the number of applications, as per criteria fixed by the Competent Authority.**
10. **Mere fulfilling of minimum qualification by itself would not entail any right to be called for interview.**
11. The above positions are purely temporary and co-terminus with the aforementioned projects. The engagement in these projects will not confer any right implicit or explicit on the candidate for consideration for regularization against any CSIR/CGCRI post(s).
12. The number of positions against the various projects can vary at the time of selection depending on the requirement of the Institute.
13. **Candidate(s) with results awaited will not be eligible.**
14. **Candidate(s) must calculate the percentage from CGPA/DGPA as per the calculation rule of University/Institute (Self Attested copy of the rule to be attached), failing which he/she may not be allowed to appear in the Interview Board.**
15. **Applicants are requested to check CGCRI website from time to time for any further update in this regard.**

CSIR-CGCRI reserves the right not to fill up the position (s), if so desired by the Competent Authority. The number of position(s) may increase/decrease, as per the requirement of the Institute. The decision of the Institute shall be final in this regard. **Interim enquiries in this respect will not be entertained.**

**Sr. Controller of Administration**

**PLEASE SEE BELOW FOR APPLICATION FORMAT & DATA SHEET**

**CSIR-CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE**  
196, Raja S. C. Mallick Road, Kolkata – 700 032. website: [www.cgcri.res.in](http://www.cgcri.res.in)  
**APPLICATION FORM**

To  
The Director,  
CSIR-CGCRI,  
Kolkata-700032.

|   |
|---|
| Recent copy of<br>passport size<br>photograph |
|---|

(to be attached in PDF format only)

|   |         |
|---|---------|
| Subject: Application for the position of: |         |
| Ref: Advt. No.                            | GC/R&A/ |

|    |                          |  |         |  |   |    |       |   |   |   |
|----|--------------------------|--|---------|--|---|----|-------|---|---|---|
| 1. | Name (in block letter):  |  |         |  |   |    |       |   |   |   |
| 2. | Father's Name:           |  |         |  |   |    |       |   |   |   |
| 3. | Date of Birth:           |  | 4.      | Age as on last date of receipt of application: | Y | Y  | M     | M | D | D |
| 5. | Sex :                    |  | 6.      | Marital Status:                                |   | 7. | Caste |   |   |   |
| 8. | Address (Block Letters): |  |         |  |   |    |       |   |   |   |
| 9. | Mobile No.:              |  | E-mail: |  |   |    |       |   |   |   |

10. Qualification (Begin from Class X)

| Examination Passed | Year | Board/University | % of marks * | Specialization |
|--------------------|------|------------------|--------------|----------------|
|                    |      |                  |              |                |
|                    |      |                  |              |                |
|                    |      |                  |              |                |
|                    |      |                  |              |                |
| NET/GATE, if yes   |      | Valid upto       | Rank         |                |

\*CGPA/DGPA Conversion to Percentage must be supported with self-attested copy of University/Institute Rules.

11. Whether Registered/Awarded for Ph.D., if yes, please give details:

| Name of University | Year of Registration | Year of PhD Award |
|--------------------|----------------------|-------------------|
|                    |                      |                   |

12. Experience, if any, please attach supporting document.

| SI No. | Name of Organization | Position/Post Held | From | To | Total Tenure (Year/Month/Days) |
|--------|----------------------|--------------------|------|----|--------------------------------|
|        |                      |                    |      |    |                                |
|        |                      |                    |      |    |                                |
|        |                      |                    |      |    |                                |

13. Do you have any publication in any SCI/Non-SCI Journal (If yes, mention the number):

14. Are you presently engaged in Research Work either in CSIR-CGCRI or any other CSIR Labs/Inst.? If yes, please submit NOC from your present Project Leader/Guide:

15. Have you ever lived in abroad for more than 1 year? If yes mention the country and tenure:

**DECLARATION**

I solemnly declare that (a) all statements made in this application are true, complete and correct to the best of my knowledge and belief and in the event of any information being found false my candidature will be liable to be cancelled, (b) I agree to take this interview/test through MS Teams or through any other online means as per government approved norms, and (c) I agree to take this interview/test at my own risk subject to verification of my eligibility and if subsequently CSIR-CGCRI finds me ineligible for interview/test, the Director, CSIR-CGCRI may cancel my candidature even after finalization of results.

|       |  |        |  |            |  |
|-------|--|--------|--|------------|--|
| Date: |  | Place: |  | Signature: |  |
|-------|--|--------|--|------------|--|

Data-Sheet

(to be submitted in MS-excel format only)

| Advt. No. | Name of the candidate | Date of Birth | E-mail | Mobile No. |
|-----------|-----------------------|---------------|--------|------------|
|           |                       | DD/MM/YYYY    |        |            |