



CSIR - INSTITUTE OF MINERALS & MATERIALS TECHNOLOGY

ACHARYA VIHAR, P.O. - RRL,

BHUBANESWAR - 751013

Advertisement No. – PME/P58/2022

Date: 11.07.2022

CSIR – Institute of Minerals and Materials Technology invites applications from bonafide Indian citizens for various project positions purely on temporary basis and co-terminus with the duration of the project as per the details furnished below.

| Post Code | Project No, Title of the Project and Duration of the Project | Name of the position and Monthly Emoluments (In Rs.) | No of Posts | Essential Qualification | Job Requirement / Experience | Max. Age as on the last date of receipt of application | E - Mail address to which application along with all the documents to be sent by the candidates |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------|----------------------------------------------------|---------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 5801 | Project No: GAP – 301 Title: Technology development (Extractive Metallurgy) for polymetallic nodules (PMN) Duration : 31.03.2026 | Project Assistant Emoluments: Rs. 20,000/- + HRA as per rule | 04 | B.Sc. in Chemistry Or, Diploma in Metallurgy | Hydro & Electrometallurgy | 50 years | barsham@immt.res.in |

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| 5802 | <p>Project No: GAP - 358</p> <p>Title: Technology development for advanced plasma processing of Indian cultural heritage and archaeological artefacts for conservation and feature enhancement</p> <p>Duration : 01.02.2025</p> | <p>Project Associate - I</p> <p>Emoluments: Rs. 31,000/- + HRA as per rule.</p> | 01 | <p>B.E. / B. Tech. in Material Science/Materials Engineering/Material Science & Metallurgical Engineering/Engineering Physics with valid NET/GATE score.</p> <p>Or,</p> <p>M.E./M. Tech./M.Sc. in Material Science/ Material Science & Metallurgical Engineering/ Engineering Physics with valid NET/GATE score.</p> <p>Or,</p> <p>M.Sc. in Physics/ Applied Physics with valid NET/GATE score.</p> | <p>i. Practical knowledge in material characterization and related analytical techniques.</p> <p>ii. Exposure to material processing preferably plasma processing.</p> <p>iii. Exposure to device development (if any).</p> | 35 years | balaji@immt.res.in |
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| 5803 | <p>Project No: GAP - 359</p> <p>Title: Centre for electrochemical energy storage, design, development, fabrication and evaluation of utility scale high performance batteries (CSIR – IMMT work component battery grade cathode materials generation through urban mining and battery health monitoring)</p> <p>Duration : Up to 10.03.2027</p> | <p>Project - JRF</p> <p>Emoluments:</p> <p>Rs. 31,000/- + HRA as per rule.</p> <p><i>[Rs. 35,000/- + HRA as per rule after completion of two years]</i></p> | 01 | <p>B. Tech (Electronics/Electrical)</p> <p>Or, M.Sc. (Electronics) and qualified in GATE or NET including lectureship (Assistant Professorship)</p> | <p>Circuit design, COMSOL, simulation, AI/ML techniques, microcontroller coding, battery health monitoring and battery management system design.</p> | 35 years | dpdas@immt.res.in |
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| 5804 | <p>Project No: SSP - 438</p> <p>Title: Optimization of pelletization parameters to obtain good quality pellets from laterite ores and chromite overburden.</p> <p>Duration : 31.03.2023</p> | <p>Project Associate - I</p> <p>Emoluments: Rs. 25,000/- + HRA as per rule.</p> | 01 | <p>B.Tech in Mineral/Metallurgy/ Metallurgical & Materials Engineering</p> | <p>Experience in mineral processing, agglomeration and iron making</p> | 35 years | deepak@immt.res.in |
| 5805 | <p>Project No: GAP - 368</p> <p>Title: Ultrafast and single step flash sintering process/technique for proton conducting solid oxide fuel/electrolysers cell.</p> <p>Duration : 13.06.2025</p> | <p>Project Associate – II</p> <p>Emoluments: (i) Rs. 35,000/- + HRA as per rule for candidates having valid CSIR – UGC NET/GATE score Or (ii) Rs. 28,000/- + HRA as per rule for candidates who do not fall under (i) above.</p> | 01 | <p>i. M.Sc. in Physics / Material Science ii. Two years of relevant experience in research & development.</p> | | 35 years | shahid@immt.res.in |

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|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------|--------------------|
| 5806 | <p>Project No: HCP - 42</p> <p>Title: Machine learning based electrode material design for energy storage applications</p> <p>Duration : 31.03.2025</p> | <p>Senior Project Associate</p> <p>Emoluments: Rs. 42,000/- + HRA as per rule</p> | 01 | <p>Ph.D. in Computer Science/Electronics/ Material Science & Engineering/ Data Science</p> | <p>AI/ML techniques and implementation using python/ MATLAB, material design software knowledge</p> | 40 years | dpdas@immt.res.in |
| 5807 | <p>Project No: HCP - 42</p> <p>Title: Machine learning based electrode material design for energy storage applications</p> <p>Duration : 31.03.2025</p> | <p>Senior Project Associate</p> <p>Emoluments: Rs. 42,000/- + HRA as per rule</p> | 01 | <p>Ph.D. in Chemistry/ Physics/ Materials Science/ Nanoscience/ Nanotechnology</p> | <p>Experience in electrochemical material characterization, supercapacitors and batteries</p> | 40 years | bikash@immt.res.in |

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| 5808 | <p>Project No: HCP - 30</p> <p>Title: Development of advanced materials and devices for opto-electronic, biomedical and strategic applications</p> <p>Duration : 30.06.2023</p> | <p>Project Associate - I</p> <p>Emoluments:</p> <p>(i) Rs. 31,000/- + HRA as per rule for candidates having valid CSIR – UGC NET/GATE.</p> <p>Or</p> <p>(ii) Rs. 25,000/- + HRA as per rule for candidates who do not fall under (i) above.</p> | 01 | <p>M.Sc. in Chemistry/Physics/ Applied Physics/ Applied Chemistry</p> | <p>Synthesis of pervoskite materials and device fabrications.</p> | 35 years | bkpatra@immt.res.in |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------|-------------------------------------------------------------------|----------|---------------------|

Candidates must go through the details of this advertisement available in CSIR – IMMT website before submission of application.

The candidates are required to **send the duly filled in application along with self-attested copies of all the required documents / certificates in a single pdf file to the E-Mail ID's given against each post code (In column no 8).**

Applications received by any other mode other than prescribed in above will be summarily rejected.

The last date for receipt of application is 25.07.2022. Applications received after the stipulated date will not be considered.

General Information/Condition:

1. The applicant must be a citizen of India.
2. All the above posts are tenable at CSIR – IMMT, Bhubaneswar. The project staff may be required to travel as per the need of the project.
3. The engagement of project staffs would be governed by the guidelines relating to engagement of project staff in CSIR Projects including NMITLI projects, OLP/MLP, contract R&D and non-CSIR funded Projects issued by DST/CSIR/sponsoring agency.
4. Before applying for the post, the candidate should ensure that he/she fulfills the eligibility and other criteria. Recruitment authorities would be free to reject application not fulfilling the requisite criteria, at any stage of recruitment.
5. **Candidates who wish to apply for more than one post need to apply separately for each position.**
6. **The date for determining age/essential qualification and experience shall be the last date of submission of application. Result awaiting candidates are not eligible for apply.**
7. The upper age limit is relaxable up to 5 years in case of SC/ST/PWD/Woman candidates whereas 3 years in case of OBCs (Non-Creamy layer candidates) as per Govt. of India norms.
8. Date of birth entered in the high school certificate or equivalent certificate issued by the concerned board/council will be accepted by CSIR – IMMT. **Candidates should**

also note that once a date of birth has been claimed by them and entered in the records of CSIR – IMMT for the purpose of appearing the interview, no change will be allowed subsequently on any grounds whatsoever. If on verification at any subsequent stage, any variation is found in their date of birth from the one entered in their High School Certificate or equivalent certificate, the candidature of the candidate concerned, will be rejected.

9. Community (caste status) once mentioned by the candidates in the appropriate place of application form, will be treated as final and the same shall not be changed subsequently under any circumstances.
10. The applications received will be screened for short-listing the candidates as per the criteria fixed by the Competent Authority. **Mere fulfilling of minimum qualification by itself would not entail any right to be called for interview.**
11. Eligible applicants will be interviewed online and the date and time of online interview will be intimated in due course of time. Applicants are requested to follow the CSIR - IMMT website regularly for any update.
12. 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/CSIR - IMMT post(s). Engagement may be terminated at any time at a notice of one month from either side or one month Emoluments in lieu thereof.
13. Based on the performance of the candidates, **selection committee will recommend final selection and may also make Panels for operation in future depending on the need of the projects.**
14. CSIR - IMMT reserves the right not to fill up the position (s), if it 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.** Applicants are requested to check CSIR – IMMT website from time to time for any further update in this regard.
15. Total tenure of engagement (current as well as service rendered earlier in CSIR-IMMT and/or any other CSIR lab/ head quarter taken together), will be limited to

five (05) years only. Candidate(s) who worked as Project Personnel in CSIR - IMMT or any other Lab/Institute of CSIR for more than or equal to Five Years are not eligible for the above mentioned position.

16. If any candidate is currently working in any project at CSIR-IMMT/any other lab/institute/organization, he/she must have to obtain **No Objection Certificate (NOC)** from the concern Project Investigator/Leader/Institute/Organization. In case if he/she did not submit NOC, his/her application will be summarily rejected.
17. Unless otherwise mentioned, equivalent/higher degrees shall not be considered as essential qualification for any position.
18. **The above positions are purely temporary and initial offer for engagement in any project shall be for a period of maximum one year or up to the duration of the project whichever is lower.** However, the engagement may be extended or curtailed depending upon the duration of the project and (or) performance of the candidate.
19. The original documents including educational qualification, birth/SSLC certificate, community and experience certificate etc., in respect of selected candidate will be verified at the time of joining. The joining of the selected candidates in the project is subject to verification of all the original certificates/documents. The applicant's candidature would be provisional and subject to subsequent verification and production of self-attested photocopies of all relevant certificates/documents. In case, it is detected at any stage of engagement or thereafter that a candidate does not fulfil the eligibility norms and/or that he/she has furnished any incorrect/doctored/false information/certificate/documents or has suppressed any material fact(s), his/her candidature shall stand cancelled automatically without any further notice.
20. A candidate found guilty of seeking support for his/her candidature by offering illegal gratification or applying pressure on any person connected with the conduct of recruitment process or found indulging in any type of malpractice in course of the selection or otherwise shall be disqualified for the engagement.
21. This advertisement should not be construed as binding on the CSIR – IMMT to make appointment.

22.No interim enquiry or correspondence will be entertained. The decision of the Director, CSIR – IMMT will be final and binding.

23.Director, CSIR-IMMT reserves all rights to cancel the recruitment of any or all of the positions advertised above at any stage and reject any application without assigning any reason whatsoever.

How to Apply:-

1. Candidates must go through the details of this advertisement available in CSIR – IMMT website before submission of application.

2. The candidates are required to download the application form annexed with this advertisement from CSIR – IMMT website and should fill the application form very carefully and sign it.

3. The candidates are required to send the scanned copies of following certificates/documents as per the following order in a single pdf file to the prescribed e-mail ID specified against each post code.

i. Application form duly completed in all respect and signed.

ii. Self attested photocopy of identity proof (Aadhaar Card / Voter ID Card / PAN Card / Passport / Driving License).

iii. Self attested photocopies of all educational qualification certificates (Mark sheets of all years/semesters and certificates).

(In case Universities/Board award letter grades/CGPA/OGPA, the candidates are required to convert it to equivalent percentage of marks as per the norms adopted by the University/Board and fill up the application form accordingly at appropriate place. The candidates are required to send the self-attested photocopies of the norms of the University/Board for conversion of grades/CGPA/OGPA to equivalent percentage of marks along with the educational qualification certificates.)

iv. Self-attested photocopies of experience certificate(s).

v. Self-attested photocopy of NET/GATE certificate.

vi. Self-attested photocopy of “No Objection certificate” (if applicable).

vii. Self-attested Photocopy of cast certificate in the prescribed format issued by the Competent Authority as prescribed by Government of India.

viii. Self-attested photocopy of publications (if any).

4. The candidates must mention the position applied for, post code and project number in the subject of the E-mail as given below.

Application for the position of _____ (Post Code _____,
Project No _____).

5. Candidates who wish to apply for more than one post need to apply separately for each position.

Note:-

a) Incomplete applications (Non indication of post code applied for, applications without photograph, signature, applications without supporting documents etc.), applications received after the last date of submission as specified in the advertisement, applications received through any other mode other than prescribed in above and applications for multiple posts in a single application form will not be considered and summarily rejected.

b) Resume/Bio-data will not be considered as Application.

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| For Office Use Only |
| Application No. - P58 / / |

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BHUBANESWAR - 751013

Advertisement No – PME/P58/2022

APPLICATION FORM

Affix recent
passport size
colour
photograph

1. Post Code Applying for: _____.
2. Project Number Applying for: _____.
3. Name of the Position Applying for: _____.
(In Capital Letters)
4. Do you possess Essential Qualification for the Post Applying for (Yes/No): _____.
5. Candidates Name: _____.
(In Capital Letters as per the Matriculation / High School Certificate)
6. Father's Name: _____.
7. Mother's Name: _____.
8. Date of Birth (DD/MM/YYYY): _____.
9. Age as on last date of submission of application: ____ Years ____ Months ____ Days.
10. Gender: _____.
11. Category (SC/ST/OBC/GEN/PWD): _____.
12. Nationality: _____.
13. Correspondence Address:
At: _____
Post: _____, City/PS: _____
District: _____, State/UT: _____
PIN: _____, Tel. No. /Mobile No: _____
E – Mail ID: _____
14. Permanent Address:
At: _____,

Post: _____, City/PS: _____

District: _____, State/UT: _____

PIN: _____, Tel. No/Mobile No: _____

E – Mail ID: _____

15. Details of Educational Qualification:

(a)

| Examination Passed | Board/ University | Year of Passing | Certificate Serial No | Aggregate percentage of Marks | Major Subjects |
|--------------------|-------------------|-----------------|-----------------------|-------------------------------|----------------|
| 10 th | | | | | |
| 12 th | | | | | |
| Diploma | | | | | |
| B.Sc. | | | | | |
| B.E./ B. Tech. | | | | | |
| M.Sc. | | | | | |
| M.E./ M. Tech. | | | | | |
| M.Phil. | | | | | |

(b) (i) Whether awarded for Ph.D.? (Yes/No): _____.

If yes, please submit the following details.

| Institute/ University | Year of Passing | Certificate Serial No | Subject |
|--------------------------|--------------------|--------------------------|---------|
| | | | |

(ii) Ph.D. Title: _____

16. Whether qualified in NET or GATE or selected through a selection process through national level examinations conducted by Central Government Departments and their agencies and institutions? (Yes/No): _____.

If yes, please submit the following details.

| Examination Passed | Name of the examination conducting agency/ institution | Year of Passing | Roll No/ Registration Number | Score | Rank | Valid upto | Subject |
|--------------------|--------------------------------------------------------|-----------------|------------------------------|-------|------|------------|---------|
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17. Details of Experience:

| Name of the Organization/ Institution | Designation | Salary | Date of Joining | Date of Leaving | Nature of work done |
|---------------------------------------|-------------|--------|-----------------|-----------------|---------------------|
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18. Details of publications:

| Sl. No. | Title | Author Name | Journal Name | SCI |
|---------|-------|-------------|--------------|-----|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |

19. Are you presently engaged as project personnel either in CSIR- IMMT or any other CSIR Labs/Institute/Organization? (Yes/No): _____.
20. Whether related to any serving employees of CSIR / CSIR-IMMT? (Yes / No): _____

If yes, please submit the following details of the employee.

| | |
|-------------------------|--|
| Name of the Institution | |
| Name of the Employee | |
| Relation Type | |
| Designation / Position | |
| Division / Department | |
| Place of Posting | |

DECLARATION

- I have read the advertisement and all the terms and informations/conditions mentioned therein and hereby undertake to abide by them. I further declare that I fulfil all the conditions of eligibility regarding age limits, essential qualifications etc. prescribed in the recruitment advertisement.
- I hereby declare that all the statements made in this application are true, complete and correct to the best of my knowledge and belief. I understand that in the event of any information being found suppressed / false or incorrect at any stage or ineligibility being detected before or after the recruitment, my candidature/appointment is liable to be cancelled.

Date: _____

(Full Signature with date)

Place: _____

(Name: _____)