



CSIR - INSTITUTE OF MINERALS & MATERIALS TECHNOLOGY

ACHARYA VIHAR, P.O. - RRL,

BHUBANESWAR - 751013

Advertisement No. – PME/P56/2022

Date: 06.05.2022

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
5601	Project No: GAP - 360 Title: Continuous extraction of magnetite reduced from low-grade iron ores in the Fluidized Bed Reactors for higher productivity. Duration : Up to 16.03.2025	Project - JRF Emoluments: Rs. 31,000/- + HRA as per rule	01	B. Tech/B.E. in Chemical/ Mechanical/Mineral Engineering with valid NET(LS)/GATE	Hands on with the CFD and DEM modelling and simulation	35 years	eswar@immt.res.in

5602	<p>Project No: GAP - 363</p> <p>Title: Development of an advanced artificial intelligence based instrument to control the iron ore disc pelletizer</p> <p>Duration : Up to 08.03.2025</p>	<p>Project Associate - I</p> <p>Emoluments:</p> <p>(i) Rs. 31,000/- + HRA as per rule for candidates having 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>B.E./B. Tech in Computer Science/ Electronics Engineering</p>	<p>Experience in Lab VIEW, Python, MATLAB programming.</p> <p>Desirable Skill: Image processing, machine Learning and Deep Learning</p>	35 years	skbehera@immt.res.in
5603	<p>Project No: GAP - 363</p> <p>Title: Development of an advanced artificial intelligence based instrument to control the iron ore disc pelletizer</p> <p>Duration : Up to 08.03.2025</p>	<p>Senior Project Associate</p> <p>Emoluments:</p> <p>Rs. 42,000/- + HRA as per rule</p>	01	<p>i. B.E./ B. Tech in Electrical/Instrumentation Engineering</p> <p>ii. Four years of relevant experience in Research & Development</p>	<p>Experience in Lab VIEW programming.</p> <p>Desirable Skill: Image processing, machine Learning and Deep Learning</p>	40 years	skbehera@immt.res.in

5604	<p>Project No: GAP - 361</p> <p>Title: Development of Nano-sized magnetite from mill scale for printing application</p> <p>Duration : 31.03.2024</p>	<p>Project Associate - I</p> <p>Emoluments: Rs. 25,000/- + HRA as per rule</p>	01	B. Tech in Chemical Engineering	Experience in Hydrometallurgical research	35 years	rsakthivel@immt.res.in
5605	<p>Project No: GAP - 361</p> <p>Title: Development of Nano-sized magnetite from mill scale for printing application</p> <p>Duration : 31.03.2024</p>	<p>Project Associate - II</p> <p>Emoluments: Rs. 28,000/- + HRA as per rule</p>	01	(i) M.Sc. in Chemistry. (ii) Two years of relevant experience in research & development.	Experience in leaching and precipitation of metals.	35 years	rsakthivel@immt.res.in

5606	<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: Rs. 31,000/- + HRA as per rule</p>	01	<p>B. Tech in Electronics/ Instrumentation/ Electrical Engineering with valid GATE/NET</p>		35 years	dpdas@immt.res.in
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5607	<p>Project No: NEW GAP</p> <p>Title: Integrated solution for coal ash as a source of critical elements and as a substituting material for natural graphite and clay through development of some value added products.</p> <p>Duration : 31.03.2025</p>	<p>Project Associate - I</p> <p>Emoluments: Rs. 25,000/- + HRA as per rule</p>	01	M.Sc. in Geology	Mineralogical characterization using microscopy.	35 years	bibhu@immt.res.in
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5608	<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 Assistant</p> <p>Emoluments: Rs. 20,000/- + HRA as per rule</p>	01	<p>B.Sc. in Archaeology/ Geology/ Applied Geology</p>	<p>i. Practical knowledge in petrographic and other general analytical techniques.</p> <p>ii. Exposure or experience in artefact analysis and handling, restoration, preservation techniques preferred.</p>	50 years	balaji@immt.res.in
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5609	<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>Master's degree in Materials Science with valid NET/GATE. or Bachelor's degree in Material science with valid NET/GATE.</p>	<p>i. Practical knowledge in material characterization and related analytical techniques. ii. Exposure to material processing preferably plasma processing. iii. Exposure to device development (if any).</p>	35 years	balaji@immt.res.in
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5610	<p>Project No: HCP - 30</p> <p>Title: Development of Mg-Ca bio-absorbable implants for biomedical applications.</p> <p>Duration : 30.06.2023</p>	<p>Project Associate - II</p> <p>Emoluments:</p> <p>(i) Rs. 35,000/- + HRA as per rule for candidates having CSIR – UGC NET/GATE</p> <p>Or</p> <p>(ii) Rs. 28,000/- + HRA as per rule for candidates who do not fall under (i) above.</p>	01	<p>i. B.E. /B. Tech in Metallurgy.</p> <p>ii. Two years of relevant experience in research & development.</p>	<p>Experience in Physical/ Mechanical metallurgy, alloy and composite materials, thermodynamics, heat transfer etc.</p>	35 years	akchaubey@immt.res.in
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5611	<p>Project No: MLP - 074</p> <p>Title: Creation of DSIR common research and technology development hub (CRTDH) in the area of new materials/ chemical process.</p> <p>Duration : 31.03.2024</p>	<p>Project Associate - I</p> <p>Emoluments:</p> <p>(i) Rs. 31,000/- + HRA as per rule for candidates having 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	B. Tech in Metallurgy/ Chemical Engineering	Experience in powder metallurgy, thermodynamics, heat transfer etc.	35 years	akchaubey@immt.res.in
5612	<p>Project No: MLP - 73</p> <p>Title: Stealth technology: Development of carbon ferrite microwave absorbing.</p> <p>Duration : 31.12.2022</p>	<p>Project Associate - I</p> <p>Emoluments:</p> <p>Rs. 25,000/- + HRA as per rule</p>	01	M.Sc. in Physics	Experience in material synthesis.	35 years	mamata@immt.res.in

5613	Project No: GAP - 331 Title: Processing of spent and natural graphite for energy and aerospace application. Duration : 31.12.2022	Senior Project Associate Emoluments: Rs. 42,000/- + HRA as per rule	01	Ph.D. in Chemistry/ Material Science/ Chemical Engineering	Experience in electro analytical technique/ battery fabrication	40 years	mamata@immt.res.in
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5614	<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>	01	M.Sc. in Chemistry with valid NET/GATE.	Knowledge of computational chemistry/material synthesis.	35 years	mamata@immt.res.in
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5615	<p>Project No: HCP – 44</p> <p>Title: Catalyst development for electrolysers.</p> <p>Duration : 30.09.2024</p>	<p>Senior Project Associate</p> <p>Emoluments: Rs. 42,000/- + HRA as per rule</p>	01	Ph.D. in Chemistry/ Physics	Experimental or theoretical knowledge in electrochemical HER study, materials synthesis and characterization.	40 years	bikash@immt.res.in
5616	<p>Project No: HCP – 44</p> <p>Title: Hydrogen generation through high temperature solid oxide electrolyser.</p> <p>Duration : 30.09.2024</p>	<p>Project Assistant</p> <p>Emoluments: Rs. 20,000/- + HRA as per rule</p>	01	Diploma in Ceramic Engineering Or B.Sc. in Physics/ Materials Science	Fabrication, assembly and testing of high temperature solid oxide electrolyser for hydrogen generation.	50 years	ldbbsra@immt.res.in

5617	<p>Project No: HCP – 44</p> <p>Title: Hydrogen generation through high temperature solid oxide electrolyser.</p> <p>Duration : 30.09.2024</p>	<p>Senior Project Associate</p> <p>Emoluments: Rs. 42,000/- + HRA as per rule</p>	01	Ph.D. in Physics	<p>Synthesis and characterization of hybrid hydrogen/oxygen ion conducting electrolyte & mixed ionic electronic conductors & electrophoretic deposition for development of high temperature solid oxide electrolyser for hydrogen generation.</p>	40 years	ldbbsra@immt.res.in
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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 20.05.2022. 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.

For Office Use Only
Application No. - P56 / /

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BHUBANESWAR - 751013

Advertisement No – PME/P56/2022

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

17. Details of Experience:

Name of the Organization/ Institution	Designation	Salary	Date of Joining	Date of Leaving	Nature of work done

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: _____)