



CSIR - INSTITUTE OF MINERALS & MATERIALS TECHNOLOGY

ACHARYA VIHAR, P.O. - RRL,

BHUBANESWAR - 751013

Advertisement No. – PME/P78/2025

Date: 14.08.2025

CSIR – Institute of Minerals and Materials Technology invites online 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 Post and Monthly Emoluments (In Rs.)	No of Posts	Essential Qualification	Job Requirement / Desirable Qualification	Max. Age as on the last date of receipt of application
7801	Project No: GAP - 424 Title: Online Estimation of Gold, Copper, Platinum, Palladium and Silver Content in Recyclable PCBs through vision sensor and deep learning based image processing. Sponsoring Agency: Ministry of Mines, New Delhi Duration: 31.12.2026	Project Associate - I (PAT - I) Emoluments: Rs. 25,000/- + HRA @ 20%.	01	B.E. / B. Tech in Computer Science/ Electronics / IT. Or M.Sc. in Electronics/ Computer Science.	Python Programming, Machine Learning, Image Processing.	35 years

7802	<p>Project No: MMP015203</p> <p>Title: CSIR League of AI-based Industrial Manifestation (CLAIM): Application of AI and ML in Mineral Processing with Special Emphasis to high Temperature Processing and Dry Beneficiation.</p> <p>Sponsoring Agency: CSIR, New Delhi</p> <p>Duration : 31.03.2028</p>	<p>Project Associate - I (PAT - I)</p> <p>Emoluments: Rs. 25,000/- + HRA @20%.</p>	01	<p>B.E./B.Tech in Electronics or Instrumentation.</p> <p>Or</p> <p>M.Sc. in Electronics.</p>	<p>Sensor Instrumentation, Signal & Image Processing, Lab View/ Matlab/COMSOL Software Knowledge/ PLC-SCADA</p>	35 years
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7803	<p>Project No: GAP - 410</p> <p>Title: Integrated Bio & hydrometallurgical Techniques for the Recovery of Metals from Spent Battery Waste and Recycling Wastewater.</p> <p>Sponsoring Agency: IGSTC</p> <p>Duration: 30.08.2027</p>	<p>Senior Project Associate (S - PAT)</p> <p>Emoluments: Rs. 42,000/- + HRA@20%.</p>	01	<p>i. PhD. in Chemistry/ Material Science.</p> <p>ii. Two years of relevant experience (post qualification) in research & development in industrial & academic institutions or science and technology organizations and scientific activities and services.</p> <p>Or,</p> <p>i. M.Sc. in Chemistry/ Material Science.</p> <p>ii. Three years of relevant experience (post qualification) in research & development in industrial & academic institutions or science and technology organizations and scientific activities and services.</p>	<p>Material Synthesis, Aqueous Chemistry Dissolution, Separation & Purification</p>	40 years
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7804	<p>Project No: IHP000005</p> <p>Title: Study of Multiferroic behavior in Cr and Fe Based Oxides by using various characterization techniques for technological applications.</p> <p>Sponsoring Agency: CSIR, New Delhi</p> <p>Duration: 31.03. 2026</p>	<p>Project Associate - I (PAT - I)</p> <p>Emoluments: Rs. 25,000/- + HRA @20%.</p>	01	M.Sc. in Physics.	Sample preparation, characterization of samples, data analysis, manuscript writing, report writing etc.	35 years
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7805	<p>Project No: GAP - 359</p> <p>Title: Center for electrochemical energy storage design, development, fabrication and evaluation of utility scale high performance batteries.</p> <p>Sponsoring Agency: SERB</p> <p>Duration : 10.03.2027</p>	<p>Project Associate - I (PAT - I)</p> <p>Emoluments: Rs. 31,000/- + HRA @ 20%.</p>	01	<p>i. M.Sc. in Chemistry/ Material Science.</p> <p>ii. Qualified in CSIR- UGC/ICAR/ICMR/ NET including lectureship/assistant professorship or GATE OR those who have qualified national level examinations conducted by Central Government Departments like DBT/DST or equivalent and/or their agencies/institutions.</p>	Material Synthesis And Characterization.	35 years
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7806	<p>Project No: MMP085201</p> <p>Title: Battery to Battery recovery of metal values from spent lithium ion batteries and fabrication of new Lithium Ion Batteries – A crucial economy approach.</p> <p>Sponsoring Agency: CSIR, New Delhi</p> <p>Duration: 31.03.2027</p>	<p>Project Associate - I (PAT - I)</p> <p>Emoluments: Rs. 31,000/- + HRA @ 20%.</p>	01	<p>i. M.Sc. in Chemistry/ Material Science.</p> <p>ii. Qualified in CSIR- UGC/ICAR/ICMR/ NET including lectureship/assistant professorship or GATE OR those who have qualified national level examinations conducted by Central Government Departments like DBT/DST or equivalent and/or their agencies/institutions.</p>	Chemical Processing, Material Synthesis, Energy material & characterization.	35 years
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7807	<p>Project No: MMP085201</p> <p>Title: Battery to Battery recovery of metal values from spent lithium ion batteries and fabrication of new Lithium Ion Batteries – A crucial economy approach.</p> <p>Sponsoring Agency: CSIR, New Delhi</p> <p>Duration: 31.03.2027</p>	<p>Senior Project Associate (S - PAT)</p> <p>Emoluments: Rs. 42,000/- + HRA @20%.</p>	01	<p>i. Ph.D. in Chemistry/ Material Science. ii. Two years of relevant experience (post qualification) in research & development in industrial & academic institutions or science and technology organizations and scientific activities and services.</p> <p>Or,</p> <p>i. M.Sc. in Chemistry/ Material Science. ii. Three years of relevant experience (post qualification) in research & development in industrial & academic institutions or science and technology organizations and scientific activities and services.</p>	<p>Processing of Battery Material Fabrication/ Electrochemical Analysis/Adsorption/ Precipitation.</p>	40 years
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7808	<p>Project No: GAP - 409</p> <p>Title: Development of optically-transparent anti-scratch coatings based on Al-Ge-N.</p> <p>Sponsoring Agency: IGSTC - WISER</p> <p>Duration: 30.08.2027</p>	<p>Project Associate - I (PAT - I)</p> <p>Emoluments: Rs. 25,000/- + HRA @20%.</p>	01	M.Sc. in Physics.	Experience in Thin Film.	35 years
7809	<p>Project No: IHP000003</p> <p>Title: Mineralogical Assessment and Feasibility Study to Concentrate rare Earth (REE) Value from Primary Resources (Alkaline Rock).</p> <p>Sponsoring Agency: CSIR, New Delhi</p> <p>Duration: 31.03.2026</p>	<p>Project Associate - I (PAT - I)</p> <p>Emoluments: Rs. 25,000/- + HRA @20%.</p>	01	M.Sc. in Geology/ Applied Geology.	Characterization of Geological Samples.	35 years

7810	<p>Project No: GAP - 424</p> <p>Title: Online Estimation of Gold, Copper, Platinum, Palladium and Silver Content in Recyclable PCBs through Vision Sensor and Deep learning based Image Processing.</p> <p>Sponsoring Agency: Ministry of Mines, New Delhi</p> <p>Duration: 31.12.2026</p>	<p>Project Assistant - II (PA - II)</p> <p>Emoluments: Rs. 20,000/- + HRA @20%.</p>	01	B.Sc. in Chemistry (Honours).	Material Digestion, Sample Preparation and Materials Characterization, Handling ICP – OES/ ICP – MS.	35 years
7811	<p>Project No: IHP000008</p> <p>Title: Design and development of ferroelectric perovskite materials for energy harvesting.</p> <p>Sponsoring Agency: CSIR, New Delhi</p> <p>Duration: 31.03. 2026</p>	<p>Project Associate - I (PAT - I)</p> <p>Emoluments: Rs. 25,000/- + HRA @20%.</p>	01	M.Sc. in Chemistry.	Synthesis of ferroelectric halide perovskite semiconductors for energy harvesting process.	35 years

7812	<p>Project No: GAP - 406</p> <p>Title: Ionic liquids for efficient separation of Neodymium from praseodymium.</p> <p>Sponsoring Agency: SERB</p> <p>Duration : 11.06.2027</p>	<p>Junior Research Fellow</p> <p>Emoluments: Rs. 37,000/- + HRA@20%.</p>	01	<p>i. M.Sc. in Chemistry. Or, B.E./B.Tech. in Chemical Engineering.</p> <p>ii. Qualified in CSIR-UGC/ICAR/ICMR/NET including lectureship/assistant professorship or GATE OR those who have qualified national level examinations conducted by Central Government Departments like DBT/DST or equivalent and/or their agencies/institution.</p>	Hydrometallurgy, solvent extraction and synthesis of Ionic liquids.	35 years
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7813	<p>Project No: FBR 060310</p> <p>Title: Renewable blue energy generation driven by reverse electro-dialysis.</p> <p>Sponsoring Agency: CSIR, New Delhi</p> <p>Duration : 31.03.2026</p>	<p>Senior Project Associate (S - PAT)</p> <p>Emoluments: Rs. 42,000/- + HRA@20%.</p>	01	<p>i. Ph.D. in Polymer Science & Technology.</p> <p>ii. Two years of relevant experience (post qualification) in research & development in industrial & academic institutions or science and technology organizations and scientific activities and services.</p> <p>Or,</p> <p>i. M.E./M.Tech. in Polymer Nanotechnology.</p> <p>ii. Two years of relevant experience (post qualification) in research & development in industrial & academic institutions or science and technology organizations and scientific activities and services.</p>	<p>Experience in development and characterization of membranes for Reverse electrodialysis (RED), Anion or cation exchange membranes.</p>	40 years
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7814	<p>Project No: GAP - 426</p> <p>Title: Recovery of Selenium, Tellurium & copper from processed anode slimes cake of copper refineries.</p> <p>Sponsoring Agency: Ministry of Mines.</p> <p>Duration: 30.06.2027</p>	<p>Project Associate - I (PAT - I)</p> <p>Emoluments: Rs. 25,000/- + HRA @20%.</p>	03	<p>M.Sc. in Chemistry/Applied Chemistry.</p>	<p>Experience in characterization and analysis of ores/metals, Hydrometallurgical unit operations such as leaching/ electro winning etc.</p>	35 years
7815	<p>Project No: GAP - 301</p> <p>Title: Technology development (Extractive Metallurgy) for polymetallic nodules.</p> <p>Sponsoring Agency: Ministry of Earth Sciences.</p> <p>Duration: 31.03.2026</p>	<p>Project Assistant - II (PA - II)</p> <p>Emoluments: Rs. 20,000/- + HRA @20%.</p>	02	<p>Diploma in Metallurgy/ Chemical Engineering.</p>	<p>Pilot plant operations.</p>	35 years

7816	<p>Project No: GAP - 301</p> <p>Title: Technology development (Extractive Metallurgy) for polymetallic nodules.</p> <p>Sponsoring Agency: Ministry of Earth Sciences.</p> <p>Duration: 31.03.2026</p>	<p>Project Associate - I (PAT - I)</p> <p>Emoluments: Rs. 25,000/- + HRA @20%.</p>	02	M.Sc. in Chemistry/Biochemistry.	Experience in AAS operation/R&D of hydrometallurgical unit operations such as leaching, solvent extraction etc.	35 years
7817	<p>Project No: MLP - 88</p> <p>Title: Upscaling of Neodymium metal/Nd-Pr production along with other rare earth metals and their alloys by molten salt electrolysis.</p> <p>Sponsoring Agency: CSIR</p> <p>Duration: 31.03.2026</p>	<p>Project Associate - I (PAT - I)</p> <p>Emoluments: Rs. 25,000/- + HRA @20%.</p>	01	B.E./B.Tech. in Mechanical Engineering.	R&D experience in Hydrometallurgy/ Electrometallurgy.	35 years

7818	<p>Project No: GAP - 422</p> <p>Title: Development of compositionally graded tungsten alloys by conventional and advanced processing routes for ultra-high temperature applications.</p> <p>Sponsoring Agency: DST, New Delhi.</p> <p>Duration : 16.04.2027</p>	<p>Project Assistant – II (PA - II)</p> <p>Emoluments: Rs. 20,000/- + HRA @20%.</p>	01	B.Sc. in Chemistry.	Maintenance of lab, day to day research work.	35 years
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7819	<p>Project No: GAP - 425</p> <p>Title: Development of bio-reductants as a sustainable coal alternative to reduce metal oxides with establishment of reaction of reaction thermodynamics and kinetics.</p> <p>Sponsoring Agency: ANRF (IRG), New Delhi.</p> <p>Duration : 10.07.2028</p>	<p>Project Associate - I (PAT - I)</p> <p>Emoluments: (i) Rs. 37,000/- + HRA @20% for those candidates who have qualified CSIR-UGC/ICAR/ICMR/NET including lectureship/assistant professorship or GATE OR those who have qualified national level examinations conducted by Central Government Departments like DBT/DST or equivalent and/or their agencies/institutions.</p> <p>OR</p> <p>(ii) Rs. 30,000/- + HRA @20% for candidates who do not fall under (i) above.</p>	01	M.Sc. in Chemistry.	Knowledge about iron ore reduction, reductants, physical and chemical characterization techniques.	50 years
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Instructions to apply and appear for interview:-

1. Candidates must go through the detail advertisement before submission of application.
2. The last date for receipt of online application is **31.08.2025**.
3. The process of filling of online application consists of two parts.
 - a. One time registration.
 - b. Filling online application.
4. The candidates are required to register and apply online through the online portal available in CSIR-IMMT website. **A printout of the application form must be taken by the candidate after successfully submission of the form.**

[Link for registration/apply: **rects.immt.res.in**]

5. The **shortlisted candidates** will have to appear for the interview at CSIR – IMMT, Bhubaneswar. They are required to report at CSIR- IMMT along with the following documents in original at the time of interview.
 - a. Print out of online application form.
 - b. Any ID proof (Aadhaar Card / Voter ID Card / PAN Card / Passport / Driving License).
 - c. Mark sheets and certificates of all years and semesters (10th /Matriculation onwards including CGPA to percentage conversion certificate if applicable).
 - d. Category/EWS Certificate (If applicable).
 - e. No Objection Certificate (If applicable).
 - f. Experience Certificate (If applicable).
6. **Candidates who wish to apply for more than one post need to apply separately for each post code.**
7. For any queries, please contact to the E-mail ID: rects.immt@csir.res.in on or before **31.08.2025**.

Interview Dates:-

Sl. No.	Post Codes	Tentative Date of Interview at CSIR – IMMT (Walk in Interview) *
1.	7801, 7802, 7809, 7817	09.09.2025 (Reporting time: 09.00 am to 11.00 am)
2.	7803, 7804, 7807, 7808, 7813, 7815	10.09.2025 (Reporting time: 09.00 am to 11.00 am)
3.	7805, 7806, 7810, 7811, 7812, 7814, 7816, 7818, 7819	11.09.2025 (Reporting time: 09.00 am to 11.00 am)

*For any changes in the date and time of interview, the same will be informed to the shortlisted candidates through the CSIR-IMMT website. Applicants are requested to follow the CSIR - IMMT website regularly for any update/changes.

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 and stay at different places outside the Bhubaneswar as per the need of the project.
3. The engagement of project staffs would be governed under various CSIR (including NMITLI, OLP, MLP, industry sponsored, contract/consultancy/sponsored projects etc.) and non-CSIR funded projects.
4. Before applying for the post, the candidate should ensure that he/she fulfills the eligibility and other criteria.
5. The date for determining age/essential qualification and experience shall be the last date of submission of application.
6. **Result awaiting candidates are not eligible for apply.**
7. The relaxation in the age limit for the candidates belonging to the category of SC/ST/PwBD/Women and the category of OBC shall be 05 years and 03 years

respectively or as per Govt. of India instructions issued in this regard from time to time.

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. Category once mentioned by the candidates in the appropriate place of online application form will be treated as final.
10. The applications received will be screened for short-listing the candidates as per the criteria fixed by the Competent Authority. **Mere fulfilling of essential qualification by itself would not entail any right to be called for interview.**
11. No interview call letter will be issued separately.
12. No TA/DA will be admissible for appearing for the interview. Selected candidates will have to join duty immediately on receipt of the offer of engagement.
13. Engagement under any of these positions shall be on behalf of the sponsoring agency and shall be temporary and co-terminus with the tenure of the project or 06 years (total period of engagement under one project and/or combination of different projects) whichever is earlier. Further, such engagement, directly or indirectly, shall not provide any right/claim for regularization for permanent post of CSIR.
14. Engagement may be terminated at any time on a notice of one month from either side or one month Emoluments in lieu thereof.
15. 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.**
16. 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) and the duration of engagement may increase/decrease as per the requirement of the Institute. The decision of the

Institute shall be final in this regard. **Interim enquiries will not be entertained.** Applicants are requested to check CSIR – IMMT website from time to time for any further update in this regard.

17. The total period of engagement of any project personnel under one project and/or combination of different projects, either in the same laboratory and/or different laboratories of CSIR cumulatively taken together shall not exceed 6 years. However, the project personnel shall be allowed to continue beyond 06 years only in case of contract/consultancy/sponsored projects funded by Public Sector Under Takings (PSUs), Industries, Start-ups and Individual entrepreneurs, that are 12 months or less duration. In such an event, the total period of engagement of any project personnel under one project and/or combination of different projects, either in the same laboratory and/or different laboratories of CSIR, cumulatively taken together shall not exceed 07 years.
18. In case of non-CSIR funded projects including those funded by international agencies, the concerned funding agencies guidelines shall be applicable. In case of non-availability of such guidelines, the one framed by CSIR shall be applicable.
19. If any candidate is currently employed, he/she will have to furnish **No Objection Certificate (NOC)** from the current employer while applying online and/or the candidate has to produce the same in original at the time of interview failing which the candidature may get cancelled.
20. The candidates pursuing Ph.D. (AcSIR Ph.D. etc.) can apply only when their research domain of Ph.D. is aligned with the research area of that project. Prior to applying, the Ph.D. student needs to have the permission/NOC from the Director/Competent Authority and they have to produce the same at the time of interview failing which the candidature may get cancelled.
21. Unless otherwise mentioned, equivalent/higher degrees shall not be considered as essential qualification for any position.
22. Women project personnel shall be eligible for maternity leave of 180 days and the male project personnel shall be eligible for paternity leave of 15 days only in case of two surviving children as per CSIR norms. Further, the project staff shall be paid

the stipend for the period of aforesaid leave only after re-joining the office after availing such leave and submission of relevant medical reports/documents.

23. The project personnel are entitled to avail leaves as per extant rules of CSIR, i.e., 12 days of leave (at the rate of one day leave per month). Any leave availed beyond this shall be without emoluments calculated on pro-rata basis.
24. **The above positions are purely temporary and initial offer for engagement in any project shall be for a period of one year or up to the duration of the project whichever is earlier.** However, the engagement may be extended or curtailed depending upon the duration of the project and (or) satisfactory performance of the candidate.
25. The original documents including educational qualification, birth/SSLC certificate, category 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.
26. 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.
27. No interim enquiry or correspondence will be entertained. The decision of the Director, CSIR – IMMT will be final and binding.
28. Director, CSIR-IMMT reserves all rights to cancel the recruitment of any or all of the positions advertised at any stage.

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