

CSIR-INSTITUTE OF MINERALS & MATERIALS TECHNOLOGY

ACHARYA VIHAR, P.O. RRL, BHUBANESWAR-751013

RECRUITMENT FOR PROJECT STAFF

Advt. No.RDPD/P47/2020

Sl. No	Project No.	Title of Project (Sponsor)	Durati on of the project	Position (Number), Monthly Stipend in Rs.	Max. Age as on last date of application (28/9/2020)	Essential Qualification	Job Requirement/ Experience	Email ID FOR SENDING APPLICATIONS WITH DOCUMENTS
1	2	3	4	5	6	7	8	9
1	MLP-62	Feasibility study on combustion of pet coke-coal fuel mix in a fluidized bed reactor (FBR) and reduction of emission through appropriate dosages of chemical reagents during combustion. Sponsored by CSIR, New Delhi	Mar 2022	PAs-I(One) 25000/-	35	B.E./B. Tech in Chemical/ Mechanical Engg.	Knowledge in computational Fluid Dynamics (CFD) or Discrete Element Method. Exposure to Thermal/combustion studies.	dsingh@immt.res.in
2	HCP-2801	CSIR-Mission mode project on Bulk chemicals (WP-1 production of lithium from ores). Sponsored by CSIR New-Delhi	Mar 2021	PAs-I(Two) 25000/-	35	B.E./B. Tech in Metallurgical Engg. / M.Sc. in Chemistry	Mineral processing/hydrometallurgical processing	shivakumar@immt.res.in
3	HCP-2801	CSIR-Mission mode project on Bulk chemicals (WP-1 production of lithium from ores). Sponsored by CSIR New-Delhi	Mar 2021	PAs-II (One) 35000/-	35	B.E./B. Tech in Mineral Engg./ with GATE qualified and Two years of relevant experience	Experience in mineral processing laboratory work	shivakumar@immt.res.in
4	MLP-67	Development of green surfactants for mineral flotation and flocculation; molecular level design, characterization and synthesis. Sponsored by CSIR New Delhi	Mar 2022	1. PAs-I(One) 25000/- OR 2. PAs-I(One) 31000/-	35	1. B.E./ B.Tech. in Chemical Engg. OR 2. M. Sc in Chemistry(Org.) with CSIR-UGC NET/GATE	Mineral flotation, surface chemistry, surfactant synthesis	rkdwari@immt.res.in

5	MLP-66	Value addition of bauxite mining waste rocks for refractory applications. Sponsored by CSIR, New Delhi	Mar 2022	PAs-II(One) 35000/-	35	B.E./B. Tech. in Chemical Engg. with GATE qualified and Two years of relevant experience	Familiar with Mineral processing unit operation	eswar@immt.res.in
6	MLP-65	Liquid-Liquid- Liquid extraction and stripping of metal ions in multi – helical flow reactor. Sponsored by CSIR, New Delhi	Mar 2022	PAs-II(Two) 35000/-	35	B.E./B. Tech in Chemical Engg. with GATE qualified and Two years of relevant experience	Knowledge in CFD simulation of flow inside helical geometrics, 3D printing	samba@immt.res.in
7	GAP-330	Direct production of Fe-Cr-Ni-Mn stainless alloy from mine waste by thermal plasma process. Sponsored by Ministry of Mines, Govt. of India, New Delhi	Feb 2022	PAs-I(One) 25000/-	35	B.E. / B. Tech in Metallurgy	Powder metallurgy, thermodynamics, heat transfer	akchaubey@immt.res.in
8	MLP-61	Recovery of metal values from FeCr slag en route of zero waste. Sponsored by CSIR New Delhi	Mar 2022	PAs-I(One) 25000/-	35	B.E./B. Tech in Materials & Metallurgical Engg./Chemical Engg.	High temperature processing	priyanka@immt.res.in
9	MLP-60	Development of ferroalloys using alternate reductants- syn gas/producer gas, methane, and hydrogen through pyro-metallurgical route. Sponsored by CSIR, New Delhi	Mar 2022	PAs-I(One) 25000/-	35	B.E./B. Tech in Materials & Metallurgical Engg.	High temperature processing and gaseous reduction	bbhoi@immt.res.in
10	GAP-326	Development of iron Aluminide coated high performance steel. Sponsored by DST- New Delhi	24 th Nov 2021	PAs-I(One) 31000/-	35	M. Sc. in Materials Science with CSIR-UGC NET/GATE OR B.E. / B. Tech in Metallurgy/ Materials Engg./ Metallurgical Engg./ Materials Science & Engg. with CSIR-UGC NET/GATE	Powder synthesis using ball mill; material characterization using XRD, SEM, FESEM, TEM)	mdebata@immt.res.in

11	MLP-68	Design of novel luminescent materials for white light-emitting devices application. Sponsored by CSIR New Delhi	Mar 2022	1.PAs-II(One) 28000/- OR 2.PAs-II(One) 35000/-	35	1.M.Sc in Chemistry/Physics with Two years of relevant experience OR 2. M.Sc in Chemistry/Physics with CSIR-UGC NET/GATE and Two years of relevant experience	Exposure to Nanomaterial synthesis	yschaudhary@immt.res.in
12	MLP-69	Development of flexible piezocomposite materials for self-powered electronics. Sponsored by CSIR New Delhi	Mar 2022	SPAs (One) 42000/-	40	Ph.D in Physics/Chemistry/ Material Science	Experience in interdisciplinary research and device fabrication is preferable	manju@immt.res.in
13	HCP-0030	New transparent conducting materials for optoelectronics. Sponsored by CSIR New Delhi	June 2023	1.PAs-I (One) 31000/- OR 2.PAs-I (One) 25000/-	35	1.M.Sc. in Physics/ Chemistry with CSIR-UGC NET/GATE OR 2.M.Sc. in Physics/ Chemistry	Material synthesis and characterization	manju@immt.res.in
14	SSP-354	Development of aluminum based materials for energy storage applications- Super capacitor. Sponsored by Nalco	Dec 2020	PAs-I (One) 25000/-	35	M. Sc in Chemistry/Physics	Material synthesis and characterization	bikash@immt.res.in
15	GAP-334	EXAFS/XANES study of transition metal based catalyst for energy conversion & storages. Sponsored by CSR, Indore	15 th July 2023	PAs-I (One) 31000/-	35	M. Sc in Chemistry/ Physics with CSIR-UGC NET/GATE	Material synthesis and characterization	bikash@immt.res.in
16	SSP-379	An innovative and viable process for recovery of iron values from red mud and processing of non-iron material for developing value added products-complete utilization of red mud. Sponsored by M/S Nalco	Aug 2021	PAs-I (One) 25000/-	35	M.Sc in Chemistry/ B.E./B.Tech in Metallurgy/ Chemical/Mineral / Mechanical Engg.	Chemical analysis, reduction roasting, physical separation experiments	atripathy@immt.res.in

17	HCP002802	Bulk Chemicals, Sponsored by CSIR, New Delhi	Mar 2021	PAs-I (One) 25000/-	35	M.Sc. in Chemistry / B.E./B.Tech. in Metallurgical Engg.	Leaching, precipitation, material synthesis	mamata@immt.res.in
18	HCP-002802	Bulk Chemicals. Sponsored by CSIR- New Delhi	Mar 2021	SPAs (One) 42000	40	Ph.D in Chemistry / Chemical Engg.	Leaching, material synthesis	mamata@immt.res.in
19	GAP-331	Processing of natural or spent graphite for possible energy and aerospace application. Sponsored by Ministry of Mines, New Delhi	Apr 2022	SPAs (One) 42000	40	Ph. D in Chemistry/ Physics/Material Science	Work experience in energy materials	mamata@immt.res.in
20	MLP-73	Stealth technologies development of carbon ferrite composite materials for microwave absorbing. Sponsored by CSIR New Delhi	Mar 2022	PA (One) 20000/-	50	B. Sc. in Physics/Chemistry/ 3 years Diploma in Electronics Engg.	Handling of analytical equipments	mamata@immt.res.in
21	MLP-73	Stealth technologies development of carbon ferrite composite materials for microwave absorbing. Sponsored by CSIR New Delhi	Mar 2022	PAs-II(One) 28000/-	35	M. Sc in Chemistry with Two years of relevant experience	Knowledge in material synthesis and characterization	mamata@immt.res.in
22	MLP-63	Recovery of Mn as EMD from low grade ores and secondaries for energy applications. Sponsored by CSIR, New Delhi	Mar 2022	PAs-II(Two) 28000/-	35	1. B.E./B. Tech. in Biotechnology with Two years of relevant experience 2. B.E./B.Tech. in Mechanical Engg. with Two years of relevant experience	1. Bioleaching 2. Chemical processing and up-scaling	aishvarya@immt.res.in
23	GAP-329	Source apportionment study of Bhubaneswar and Cuttack city. Sponsored by State Pollution Control Board (SPCB), Govt. of Odisha	Feb 2021	PAs-I (One) 25000/-	35	M. Sc in Chemistry/ Environmental Science / B.E./B.Tech in Civil Engg.	Chemical parameter analysis and modelling	boopathy@immt.res.in
24	MLP-64	Nanometal engrained agrowaste based dielectric materials for embedded capacitors (NanoDEC). Sponsored by CSIR New Delhi	Mar 2022	PA (One) 20000/-	50	3 years Diploma in Mechanical Engg.	Leaching and precipitation(including hydrothermal precipitation)	bankim@immt.res.in
25	MLP-77	Processing of spent liquor for improvement of alumina producing in Bayer process. Sponsored by CSIR New Delhi	Mar 2022	PA (One) 20000/-	50	B.Sc. in Chemistry	Hydrometallurgical processing	cksarangi@immt.res.in

26	MLP-77	Processing of spent liquor for improvement of alumina producing in Bayer process. Sponsored by CSIR New Delhi	Mar 2022	PAs-I(Two) 25000/-	35	B.E./B. Tech. in Mech. Engg./ Metallurgy/ Chemical Engg.	Microfluidic reactors, Extractive metallurgy	cksarangi@immt.res.in
27	MLP-78	Development and scale up studies for Cu incorporated Zn/Al layered double hydroxide antibacterial material as protective cement additive. Sponsored by CSIR New Delhi	Mar 2022	PAs-I(Two) 25000/-	35	M.Sc. in Chemistry/Microbiology/Biotechnology	Material synthesis, characterization, antibacterial activity	barshadash@immt.res.in
28	MLP-75	Production of potash, sulfur and phosphorus enriched biochars utilizing biomass and fertilizer industries waste. Sponsored by CSIR New Delhi	Mar 2022	PAs-I(One) 25000/-	35	M.Sc. in Environmental Science/Agricultural Sciences/ Chemistry/ B.E./B.Tech. in Chemical/Mechanical Engg.	Analysis of solid industrial waste, wastewater and soil	manish@immt.res.in
29	MLP-75	Production of potash, sulfur and phosphorus enriched biochars utilizing biomass and fertilizer industries waste. Sponsored by CSIR New Delhi	Mar 2022	SPAs(One) 42000/-	40	M.Sc. in Environmental Science/Agricultural Sciences/ Chemistry/ B.E./B.Tech. in Chemical/Mechanical Engg. with Four years of research experience OR Doctoral Degree in Biological Sciences/ Chemical Engg.	Experience in pyrolysis of biomass and fertilizer industries waste	manish@immt.res.in
30	HCP-0030	Development of Mg-Ca bio-absorbable implants for biomedical applications. Sponsored by CSIR New Delhi	June 2023	PAs-II(One) 28000/-	35	B.E./B. Tech. in Metallurgy with Two years of relevant experience	Experience in powder metallurgy, thermodynamics and heat transfer	yschudhary@immt.res.in

31	HCP-0030	Development of flexible and wearable electrochromic supercapacitor. Sponsored by CSIR New Delhi	June 2023	1.PAs-I (One) 31000/- OR 2.PAs-I (One) 25000/-		1.M.Sc. in Chemistry/Physics with CSIR-UGC NET/GATE OR 2.M.Sc. in Chemistry/Physics	Synthesis of Materials & Testing for Supercapacitor	bikash@immt.res.in
32	HCP-0030	Development of Advance Materials & Devices for Opto-electronic, Biomedical & Strategic application. Sponsored by CSIR New Delhi	June 2023	1.PAs-II(One) 35000/- OR 2.PAs-II(One) 28000/-	35	1.M.Sc. in Chemistry with CSIR-UGC NET/GATE and Two years of R&D experience OR 2.M.Sc. in Chemistry with Two years of R&D experience	Synthesis and characterization of Mxene, graphene and coatings & corrosion evaluation	yschaudhary@immt.res.in
33	HCP-0030	Flexible ceramic- Polymer Piezoelectric composite for energy harvesting application. Sponsored by CSIR New Delhi	June 2023	PAAs-II(One) 28000/-	35	M.Sc. in Physics/ Material Science and Engineering and Two years of R&D experience	Synthesis and Characterization of various ceramic, coating and polymers	yschaudhary@immt.res.in
34	HCP-0030	Modification in design of Microwave-assisted iron-making plant for up-scaling the process to reach 100 kg/day scale using Nagaland and allied iron ores. Sponsored by CSIR New Delhi	June 2023	PAAs-I(One) 25000/-	35	B.E./ B. Tech. in Metallurgy	Process metallurgy, power metallurgical processing.	yschaudhary@immt.res.in
35	MLP-71	Synthesis of Calcium sulfo-aluminate: An Eco-cementing material alternate of Portland cement (FBR). Sponsored by CSIR New Delhi	Mar 2022	PS-II (One) 67000/-	40	Doctoral degree in Chemical Sciences and Three years of R&D experience	Experience in industrial solid waste management in building material application	nkdhal@immt.res.in

36	MLP-72	Shelf life enhancement of seeds/grains by Plasma treatment. Sponsored by CSIR New Delhi	Mar 2023	1.PAs-II(One) 35000/- OR 2.PAs-II(One) 28000/-	35	1. B.E./B. Tech in Materials Science/ Mechanical Engg./ Chemical Engg. / Engg. Physics with CSIR-UGC NET /GATE and Two years of R&D experience OR 2. B.E./B. Tech in Materials Science/ Mechanical Engg./ Chemical Engg. / Engg. Physics and Two years of R&D experience	Plasma treatment, designing and fabrication of plasma gun and evaluation of their effectiveness	balaji@immt.res.in
37	HCP-0030	Design of direct white light emitting materials to eliminate phosphor use and their photoluminescence & electroluminescence device. Sponsored by CSIR New Delhi	June 2023	SPAs (One) 42000/-	40	Ph.D. in Chemistry/Physics/Materials Science	Desirable to have experience on nano materials and luminescence materials and their characterization.	yschaudhary@immt.res.in
38	HCP-0030	High performance perovskite photovoltaic modules. Sponsored by CSIR New Delhi	June 2023	1.PAs-I (One) 31000/- OR 2.PAs-I (One) 25000/-	35	1.M.Sc. in Chemistry/Nanoscience/Physics/ Material Science with CSIR-UGC NET /GATE OR 2. M.Sc. in Chemistry/Nanoscience/Physics/ Material Science	Synthesis of perovskite materials and characterizations	yschaudhary@immt.res.in

40	HCP-0030	Development of anti-inflammatory nanogel for arthritis treatment- Advanced Materials Mission Project. Sponsored by CSIR New Delhi	June 2023	1.PAs-I (One) 31000/- OR 2.PAs-I One) 25000/-	35	1.M.Sc. in Chemistry with CSIR-UGC NET/ GATE OR 2.M.Sc. in Chemistry	Material synthesis	yschaudhary@immt.res.in
41	HCP-0030	Development of Advance Materials & Devices for Opto-electronic, Biomedical & Strategic application. Sponsored by CSIR New Delhi	June 2023	1.PAs-I (One) 31000/- OR 2.PAs-I One) 25000/-	35	1. B.E./B.Tech. in Materials Science & Metallurgical Engg./ Chemical Engg. / M.Sc. in Nanoscience/ Physics with CSIR-UGC NET /GATE OR 2. B.E./B.Tech. in Materials Science & Metallurgical Engg./ Chemical Engg. / M.Sc. in Nanoscience/ Physics	Experiments in surface modification, Analysis of surfaces for electromagnetic interaction	yschaudhary@immt.res.in
42	GAP-328	Novel Bio plastic material from marine microbes for industrial applications through sustainable process. Sponsored by Science & Technology Dept., Govt. of Odisha	Dec 2022	PF (One) 17000/-	35	M. Sc. in Microbiology/ Biotechnology	Experiments in Microbiology	sony@immt.res.in

PF: Project Fellow; PA: Project Assistant; PAs-I: Project Associate –I; PAs-II: Project Associate –II; SPAs: Senior Project Associate; PS-II: Project Scientist-II

NB: HRA will be provided as per the norms of the funding agency and the Institute

INSTRUCTIONS AND INFORMATION FOR CANDIDATES

1. Eligible candidates should fill the application downloaded from website and send the application along with scanned copies of self-attested testimonials in support of Educational Qualifications (mark sheets & certificates), Experience, Publications and Category in a single pdf file by email to corresponding Email ID (in column -9) given against respective project (for example, Sl. No. 1, Project No. MLP-62 the Email ID is dsingh@immt.res.in) and copy to rdpd@immt.res.in by 28th September 2020 mentioning

the Project Code in the Subject line of the mail (for example: Application for HCP-0030). Application forms with incomplete/wrong information, detected at any stage, are liable to rejection.

- 2. Apply separately for different projects and positions.**
- 3. No interim contact to the given Email ID except sending the application will be attended**
- 4. Please do not send any mail or make phone call regarding the said application**
5. Director CSIR-IMMT reserves all rights to cancel recruitment of any or all of the positions advertised above at any stage and reject any application without assigning any reason whatsoever.
6. The above position is purely temporary and initial offer for engagement in any project shall be for a period of maximum one year. However, the engagement may be extended or curtailed depending upon the duration of the project and (or) performance of the candidate.
7. Total tenure of engagement (current as well as service rendered earlier in CSIR-IMMT and/or any other CSIR lab/ hqtrs. taken together), will be limited to 5 years only.
8. All those candidates who are continuing as Project Staff in CSIR-IMMT/CSIR labs in any project will only be considered for applying with the no objection certificate from concerned PI.
- 9. Only short listed candidates will be intimated to be interview through online platform.**
10. Unless otherwise mentioned, equivalent/higher degrees shall not be considered as essential qualification for any position.

To download the application form in MS-Word Click [here](#)



**CSIR-INSTITUTE OF MINERALS AND MATERIALS
TECHNOLOGY
ACHARYA VIHAR, BHUBANESWAR-751013**

Application for the positions of Project Staff

CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar invites applications for about **46 nos.** of positions of Project Staff in its ongoing projects. The requirement covers;

- **Diploma** in Mechanical Engg./ Electronics Engg.
- **B.Sc.** in Chemistry/ Physics
- **M.Sc.** in Materials Science/Chemistry/Physics/Environmental Science/Microbiology/Agricultural Sciences/Nanoscience/ Biotechnology with or without CSIR-UGC NET/ GATE; with or without Experience
- **B.E./ B. Tech.** in Mechanical Engg./Chemical/Metallurgical Engg./Materials & Metallurgical Engg./Metallurgy/ Materials Engg./ Materials Science and Engg./Mineral Engg./ Civil Engg./ Biotechnology with or without CSIR-UGC NET/ GATE ; with or without Experience
- **Ph.D.** in Biological Sciences/Chemical Engg./ Physics/Chemistry/Materials Science/ Chemical Engg./Chemical Sciences

The positions are purely temporary and co-terminus with the tenure of projects. Eligible candidates may please visit CSIR-IMMT website: www.immt.res.in for the details regarding application, essential qualifications, job requirement, experience, age, monthly emoluments and other terms and conditions.

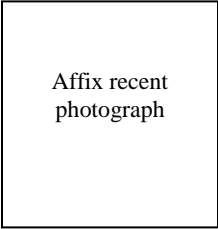
Last date of submission of application: 28th September 2020

Only short listed candidates will be intimated to be interview through online platform.

Advt. No. RDPD/P47/2020

R&D PLANNING DEPT

CSIR-INSTITUTE OF MINERALS & MATERIALS TECHNOLOGY
(Council of Scientific & Industrial Research)
BHUBANESWAR-751013



APPLICATION FORM

ADVT. NO. RDPD/P47/ 2020

1. **Name of the Applicant** (in Capital):

2. **Applying for Sl. No. and Project No.:** (Apply separately for different projects and positions)

3. **Name of the Position:** Project Assistant/ Project Associate-I/Project Associate-II/Senior Project Associate/ Project Scientist

4. **Essential Qualification Possess as per Advertisement:**

5. **Sex (Male/Female)** :

6. **Date of Birth (DD/MM/YY):**/... /.....

7. **Age (as on last date of application)**Y.....M.....

8. **Father's/Husband's Name:**.....

9. **Permanent Address:**

.....

10. **Present address** (if other than above):

At/Po.;PS: /City:

Dist:State:PIN:

Tel.No., / Mob. No.E-mail:.....

11. **Whether SC/ST/OBC/PH/GEN:**.....

12. **Educational Qualifications** :

Exam. passed	Board/ Univ.	Year of passing	Divn.	% of marks	Major Subject
H.S.C.					
+2 Science					
Diploma/B. Sc.					
B.E./B.Tech.					

M.Sc./M.E./M.Tech					
M.Phil.					
NET/GATE					
Ph.D.			Title:.....		

13. Experience (if any) at CSIR / IMMT-BBSR

Institute	Date of Joining	Date of Leaving	Designation/ Position/Dept.	Salary / Emoluments	Period of exp.		
					Year	Month	Days
TOTAL PERIOD							

14. Experience (if any) at other Organization:

Organization Name	Date of Joining & Leaving	Designation/ Position	Salary / Emoluments	Period of exp.		
				Year	Month	Days
TOTAL PERIOD						

15. Previous Work Experience/ Basic understanding about the project you are applying for (within 500 words):

16. **Research Publications:**

Publications in Number	Indian	Foreign	Total
Journals			
Conf./Sem./Symp.Proceeding			
TOTAL PUBLICATIONS			

17. **Whether related to any serving CSIR/IMMT employee: Yes / No.**

(If yes, please mention) Relationship Type:

Name:..... Position:Divn/Dept./Sec.:.....

Name of the Institution:Place:

DECLARATION

I hereby declare that all the statements made in this application are true and complete and nothing has been concealed/distorted. I am aware that, if at any time I am found to have concealed/distorted any material information, my engagement is liable to be summarily terminated without notice.

Date: / /2020

SIGNATURE OF THE APPLICANT

NB:

1. **Send the application along with scanned copies of self-attested testimonials in support of Educational Qualifications (mark sheets & certificates), Experience, Publications and Category in a single pdf file by email to corresponding Email ID (Column-9) given against respective project for example, Sl. No. 1, Project No. MLP-62 the mail id is dsingh@immt.res.in) and copy to rdpd@immt.res.in by 28th September 2020 mentioning the Project Code in the Subject line of the mail (for example: Application for HCP-0030).**
2. **Apply separately for different projects and positions**
3. **No interim contact to the given Email ID except sending the application will be attended**

To download the application form in MS-Word Click [here](#)