



राष्ट्रीय प्रौद्योगिकी संस्थान दुर्गापुर
(शिक्षा मंत्रालय, भारत सरकार के अधीन राष्ट्रीय महत्व का संस्थान)
महात्मा गांधी एभेन्यू, दुर्गापुर-713209, (पश्चिम बंगाल), भारत

NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

MAHATMA GANDHI AVENUE, DURGAPUR – 713 209

West Bengal, INDIA

(An Autonomous Institution of the Government of India under Ministry of Education)

Tel: +91 343 2755239/2755297 | Fax: +91 343 2547375 | Website: www.nitdoo.ac.in

Ref: NITD/PHY/HC/HP/Rec/2024/01

Dated: 15/05/2024

Advertisement for the post of Project Assistant (Contractual)

Project Title: Investigation on helium extraction at Bakreswar hot spring, West Bengal

Funding Agency: Mangalswastik Imperial SSR Construction & Development Pvt. Ltd.

Duration: 3 Years (2024-2027)

Project Summary:

The Helium exploration project is a unique project. It was initiated by the legendary scientist Prof. Satyendranath Bose and Dr. Bidhan Chandra Roy, the then Chief Minister of WB, in the mid-60s. Some research activities have been done at Bakreswar in the leadership of late Prof. Bikash Sinha as well. India has a huge helium market; however, no initiative has been taken so far to install a commercial helium plant in India. India imports 100% helium to fulfil the country's demand till date. On the other hand, India has vast potential for commercial extraction of helium from its hot spring resources, though it is an unconventional technique for helium extraction.

The present project is focused on an investigation of the commercial viability of large-scale extraction of helium from Bakreswar hot spring, West Bengal (located at a distance of 70 km from NIT Durgapur in the Birbhum district). The investigator will test the geochemistry of hot spring water and gases along with the radioactive survey. The major attempt will be to identify the helium reservoir and geothermal reservoir at Bakreswar, namely, the extension of the reservoir and its depth.

Nature of Job:

- To assist the investigator in fieldwork (in geochemical and geophysical measurement of hot spring water and gases and in identifying the helium reservoir and geothermal reservoir at Bakreswar, namely the extension of the reservoir and its depth)
- To assist the investigator in the project-related laboratory work at NIT Durgapur.
- To assist the investigator in maintaining the official documents (research documents and financial documents) related to the project work
- To assist the investigators in conducting project-related meetings/seminars/conferences as and when required.

How to apply:

The eligible and interested candidates are encouraged to apply by sending their complete bio-data mentioning relevant experience (in the attached prescribed format (C2) only) to the Principal investigator through e-mail (email ID: physicsnitd51@gmail.com) as applicable, on or before 22nd May, 2024. Please mention the subject of the mail as "Application for the post of Project Assistant."

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Mode of Selection:

A list of the short-listed candidates called for an interview will be displayed on the NIT Durgapur website at Careers@NITD (<https://nitdgp.ac.in/p/careers>). The short-listed candidates will be notified through email, and the selection interview will be conducted in offline mode (Physical mode) only tentatively by the end of May 2024.

Required Qualification:

Name and Number of the post	Eligibility Criteria (Minimum qualification)	Duration	Stipend
Project Assistant (Contractual) No. of Post: One (01)	<ul style="list-style-type: none">Science Graduate (with Physics as a subject) with minimum 55% marks in B. Sc. Higher, Secondary and Secondary Exam from a recognized university/Institute/Board/Council.The applicant's age should be below 30 years as on 25th May 2024.Applicant must have fluency in English speaking and good writing skills.Applicant must have skills in MS Word, MS Excel, Internet surfing, and emailing.	One year initially. Extendable up to three years, subject to performance	Rs. 10,000/- only (Consolidated) per month for the stipend period

Terms and Conditions:

1. Applications reaching after a specified time may not ordinarily be entertained.
2. Canvassing in any form will disqualify the candidature.
3. No TA/DA will be paid for attending the interview
4. The above position is purely temporary
5. Financial assistance for attending meetings outside NIT Durgapur campus, international/national conferences/seminars, and field trips for survey purposes will be funded from the project fund whenever scheduled.
6. The selected candidate is expected to join immediately (within a week) after publishing the final results of the selected candidate at the NIT Durgapur website at Careers@NITD (<https://nitdgp.ac.in/p/careers>).
7. Depending on the priority of the project activities, the selected candidate may have to work outside the normal working hours and normal working days without additional incentives.
8. The selected candidate is expected to produce the original ID proof, the original mark sheets, certificates etc., at the time of the interview /and joining. Otherwise, his/her candidature will be rejected.
9. Other terms and conditions will be as per those of NIT Durgapur.
10. Written tests for English proficiency and Computer Skills may be conducted on the day of the interview.
11. The candidate needs to bring a printout of the duly signed and filled out Application Form along with a photocopy of all the testimonials and supporting documents at the time of the personal interview.



Dr. Hirok Chaudhuri
Principal Investigator
Department of Physics, NIT Durgapur



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C2

FORMAT FOR APPLICATION

against Advertise Ref No: NITD/PHY/HC/HP/Rec/2024/01, dated: 15/05/2024

- Name (in Capital letters) :
- DOB and Age, as on 25.05.2024 :
- Gender :
- Marital Status :
- Valid Photo ID Proof type and ID No. :
- Corresponding Address :

Paste a recent
passport size
photograph
here

Mobile no. : WhatsApp no. :
email ID :

- Do you have a facility for residential stay
at or within 30 km from NIT Durgapur : Yes/No
- Qualification :

Exam	Discipline/Details	Board/University/Council/ Institute	%	Pass out Year with duration of course	Credit Point (Out of 10)
Class X					
Class XII					

Full Signature of the candidate



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Exam	Discipline/Details	Board/University/Council/ Institute	%	Pass out Year with duration of course	Credit Point (Out of 10)
B. Sc.					
Computer Proficiency Certificate, if any	Name of the Course:				
English Proficiency Certificate, if any	Name of the Course:				
Experience, if any	Details:				
Other, if any					
Total Credit Point (Out of 70) , The point claim needs supporting documents, and please attach a scanned copy of the mark sheet and certificate, valid photo ID proof (Credit Point calculation: Marks $\geq 60\%$: 10 points, $57\% \leq$ Marks $< 60\%$: 8 points, $55\% \leq$ Marks $< 57\%$: 5 points)					

Awards (if any) :

Publication (if any) :

Other information (if any) :

NB: Please fill out your form within the specified two pages only. Candidate needs to carry a printout of the duly signed and filled out Application Form along with photocopy of all the testimonials and supporting documents at the time of interview.

Full Signature of the candidate