

इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली
हौज खास, नई दिल्ली -110016
(औद्योगिक अनुसंधान एवं विकास इकाई)
INDIAN INSTITUTE OF TECHNOLOGY DELHI
Hauz Khas, New Delhi-110016
(Industrial Research & Development Unit)

No. IITD/IRD/RP04394GC/ 110552

Dated:06/01/2023

Advertisement No.: IITD/IRD/007/2023

Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay subject to periodic performance review, and renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत भारतीय नागरिकों से आवेदन आमंत्रित किए जाते हैं। अपॉइंटमेंट, अनुबंधित आधार पर समेकित वेतन, नवीकरणीय वार्षिक या परियोजना की अवधि तक, जो भी पहले हो, के साथ होगा।

About the project: In this project, it is envisaged to develop a glass-electrolyte for roomtemperature sodium-sulfur battery. A glass-electrolyte, which is compatible with the sodium metal anode and sulfur cathode will be developed through solid-vapor growth. The performance of the batteries will be tested in coin-cell and pouch cell configurations.

About the responsibilities: The candidate is assigned to work on developing a stable glasselectrolyte system for room-temperature sodium-sulfur batteries. A candidate with experience in developing batteries/electrochemical devices will be preferred for the position.

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| Title of the Project | Novel Interfacial-chemistry for the Glass-electrolytes to Enable Highly-reversible and Long-life room-temperature Sodium-Sulfur Battery (Sub Project under STC CoE Main Project No. MI02637 for the year 2022) (RP04394GC) | |
| Funding Agency | ISRO | |
| Name of the Project Investigator | Prof. Vipin Kumar (email: vkumar@dese.iitd.ac.in) | |
| Deptt./Centre | Department of Energy Science and Engineering | |
| Duration of the Project | Upto:29/11/2024 | |
| Post (s) | Consolidated fellowship / Pay-slab | Qualifications |
| Sr. Research Fellow (1) | Rs.35,000/- p.m. plus HRA @ 27% | Academic qualification – 1 st class Masters (M.Sc/M.Tech/ME) in Materials/Chemical/Physics/Chemistry/Energy Science with NET/GATE* qualifcation with two years of research experience in the field of Electrochemistry/Batteries would be preferred for the position. *The requirement of NET/GATE examination for the selection to the post of JRF/SRF may be relaxed for the candidates who have graduated from Centrally Funded Technical Institutes (CFTIs) with a CGPA of more than 8.000 (80% aggregate marks). |

The candidates who are interested to apply for the above post should download **Form No. IRD/REC-4** from the IRD Website (<http://ird.iitd.ac.in/rec>) of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience etc. **by e-mail with advertisement No. on the subject line** to Prof. Vipin Kumar at email id:vkumar@dese.iitd.a.in

IIT Delhi reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post and their name will be displayed on web link (<http://ird.iitd.ac.in/shortlisted>) alongwith the online interview details. Only short-listed candidates will be informed for online interview. In case any clarification is required on eligibility regarding the above post, the candidate may contact **Prof. Vipin Kumar at email id: vkumar@dese.iitd.ac.in** 5% relaxation of marks may be granted to the SC/ST Candidates. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing IRD norms. अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है। एक सेवानिवृत्त सरकारी कर्मचारी के चयन के मामले में उसका वेतन वर्तमान आईआरडी मानदंडों के अनुसार तय किया जाएगा। **The last date for submitting the completed applications by e-mail is 20/01/2023 by 5.00 p.m.**

सहायक कुलसचिव, आईआरडी

वितरण

- Head of the Deptt./Centres/Units : It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit
- Webmaster, IRD : To put advertisement at IITD website.
- Notice Boards
- Advertisement file
- Prof. Vipin Kumar, PI, Department of Energy Science and Engineering
- Copy to Chairperson, DRC/CRC