

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/MI02090/348330

Dated: 31/08/2021

Advertisement No.: IITD/IRD/153/2021

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।

The proposed project aims at utilizing clean combustion and efficient heat-transfer mechanism for jaggery production. The focus is on a rural Indian industry, namely Jaggery making, which is widespread, is of significant size and have many avenues for improvements of income of this rural industry, public health and reducing environmental impact, through technical interventions

Title of the Project	Designing and assessing impacts of clean and efficient agricultural residue-fuel (biomass pellets) based heating systems for Jaggery making in northern India (MI02090G)	
Funding Agency	IRD Unit, IIT Delhi	
Name of the Project Investigator	Prof. S.K. Tyagi [email ID:tyagisk@iitd.ac.in/sudhirtyagi@yahoo.com]	
Dett./Centre	Department of Energy Science and Engineering	
Duration of the project	Upto:15/06/2022	
Post(s)	Consolidated Fellowship	Qualifications
Jr. Project Assistant (Tech.) (1)	Rs.28,000/-p.m. (consolidated)	B. Tech/M. Tech (pursuing), Thermal / Mechanical / Chemical/ Energy/ Engineering, preferably having knowledge of CFD Simulation. The selected candidate should be able to carry out the detailed thermal performance and emission characteristics of the existing jaggery pant including the heat and mass transfer study and various losses from the existing open-hearth-furnace through analysis and simulation. This includes data collection at the site(s) and data analysis, simulation using suitable software etc. for prolonged operation during winter and early to mid-summer conditions. The study also includes possible interventions such as, modelling and design of efficient biomass based furnace, selection of suitable material of construction, efficient heat transfer mechanism and appropriate fuel feeding system and other technical work related to the project.

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. S.K. Tyagi at email id: tyagisk@iitd.ac.in or sudhirtyagi@yahoo.com**

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. S.K. Tyagi at email id: tyagisk@iitd.ac.in or sudhirtyagi@yahoo.com

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 13/09/2021 by 5.00 p.m.**


सहायक कुल्सचिव, 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. S.K. Tyagi, PI, Department of Energy Science and Engineering
- Copy to Chairperson, DRC/CRC
- Dr. Harshita Bhatnagar, RD Coordinator, (R&D) Wing