

Advertisement for the temporary post of Research Assistant and Lab Attendant

Applications are invited for the temporary post of one Research Assistant and one Lab Attendant in the Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi, for a research project entitled "Development of a Prototype Thermoelectric Generator for Bukhari" sponsored by DRDO, New Delhi.

Summary of the Proposal:

The Bukhari developed by DIPAS is an excellent safe and efficient space heating device that can be used in extreme cold conditions in forward high and Extreme altitude areas by deployed Armed Forces personnel. It uses kerosene as fuel and provides both radiative and convective heating. The convective heating is achieved by flow of heated air using a DC fan. The power is provided by Solar Modules that run the system in daytime and charge a battery for night time use. However, battery power may not be adequately available for extended periods due to inclement weather at High Altitude areas. An alternative power system for providing DC power is required that (a) can run continuously, (b) is independent of batteries or solar power and (c) is rugged and simple in design.

We have proposed a Thermo-Electric Generator system that can utilize the waste heat from the bukhari exhaust pipe and generate enough electric power to run the hot air distributor fan of the bukhari. We will test both air and liquid cooling. The system will be compact and light weight enough to not affect transport or use of bukhari. Hybrid system using both air and liquid cooling will also be developed and tested.

Project Duration:

The duration of the project is up to December 31, 2019. Stipend shall be given as per the DRDO, New Delhi rule.

Qualification:

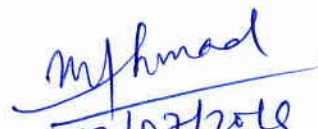
Post	Eligibility
Research Assistant (one)	Master Degree in Electronics / Computer Science / Engg. / IT
Lab. Attendant (one)	12 th pass / Technical Certificate / ITI

Applications with updated hard copy of the CV should reach the office, Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi-110025 on or before July 17, 2019. The candidates can also send this soft copy of the application to the Email address : mahmad@jmi.ac.in

Note: Shortlisted candidates shall be communicated by E-mail to appear in person with original certificates for the interview. Kindly mention your mobile number and E-mail ID in your CV.



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02/07/2019
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