



Dr. Tirtha Pratim Das
Director,
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ISRO/SPO/CH-2AO/2021-22

March 10, 2022

Dear Dr. Sanchita Paul,

Subject: Research proposal under Chandrayaan-2 - Announcement of opportunity (AO) –funding support-reg.

This has reference to your submission of the research proposal “**Machine Learning and Deep Learning based Automatic Lunar Crater Detection using Terrain Mapping Camera-2 DEM Images**” for funding under Chandrayaan-2 data utilization Announcement of Opportunity (Ch-2-AO). The committee has reviewed the proposal. I wish to inform you that DOS has approved the following.

1. Funding of the project under Chandrayaan-2 AO for a period of three years at a total outlay of ₹ 21,98,520
2. Release of ₹ 7,63,960 towards meeting the first year expenditure of the project.

The approval is subject to fulfillment of the following:

- a. You will have to submit Annual Progress Report (APR), at the end of the year, indicating the progress of the work accomplished during the first year (to enable renewal of the project for second year).
- b. You will have to submit two copies of the Fund Utilization Certificate (FUC) and Audited Accounts Statement (AAS) on completion of the first year of the project (to enable renewal of the project for second year). **FUC and AAS should be sent to the Pay & Accounts Office, Department of Space, Antariksh Bhavan, New BEL Road, Bengaluru 560094 with a copy to Director, SPO, ISRO HQ.**
- c. The terms and conditions follow the RESPOND norms.
- d. In addition, on conclusion of the project, you will have to send a comprehensive report covering total project activities and final Fund Utilization Certificate.
- e. The Department of Space will issue financial sanction order for the approved grant to you very soon (grant will be released in Instalments).
- f. **You may be requested to send the enclosed Grant-in-Aid bill and Electronic Transfer Mandate Form, duly filled and signed in original to the Pay and Accounts Officer, Department of Space, Antariksh Bhavan, New BEL Road,**

Bengaluru 560094. With a copy to the undersigned for release of grants at the earliest.

- g. Kindly note that a separate savings bank account for the Grant-in-Aid sanctioned will have to be maintained which are subject to scrutiny by the Indian Audit and Accounts Department who will also have the right of access to the Book of Accounts.
- h. The Grant-in-Aid is liable to change as per the revised HRA and Fellowship rates.
- i. As per the revised fellowship norms, the candidate to be appointed for JRF with PG Degree in Basic Science with NET or equivalent qualification or Graduate Degree in Professional course with NET/GATE or equivalent qualification or PG Degree Professional course (ME/M.Tech.) as JRF. You may kindly intimate us and send the details of JRF after appointment.
- j. You may kindly note that, as per the Government of India rules, the interest accrued on the amount shall not be used for project purpose and it is mandatory to refund the interest amount accrued in your project to the **Consolidated Fund of India** at the completion of one year. The amount shall be refunded through a Demand Draft (DD) drawn in favor of Pay & Accounts Officer, Dept. of Space, Bengaluru through electronic means. In case of DD, the DD shall be sent to the Pay & Accounts Officer, Dept. of Space, Antariksh Bhavan, ISRO HQs, New BEL Road, Bengaluru – 560094.

With regards,

Yours sincerely



(Dr. Tirtha Pratim Das)

Director, Science Programme Office, ISRO HQ

Encl:

1. Grant-in-Aid bill
2. Electronic Transfer Mandate Form
3. FUC (GFR -12 A form) and AAS

To

Dr. Sanchita Paul, Assistant Professor,
Department of Computer Science and Engineering
Birla Institute of Technology, Mersa, Ranchi.

CC:

1. Scientific Secretary, ISRO
2. Registrar, Birla Institute of Technology, Ranchi
3. Dr. Mili Ghosh, Co-PI of the project
4. Dr. C. Jeganathan, Co-PI of the project