

भारतीय अन्तरिक्ष अनुसंधान संगठन

अन्तरिक्ष विभाग

भारत सरकार

अन्तरिक्ष भवन

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फैक्स :

Dr. M.A. Paul

Associate Director, RESPOND & AI  
CBPO

इसरो ISRO

Indian Space Research Organisation

Department of Space

Government of India

Antariksh Bhavan

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No. ISRO/RES/3/858/19-20

December 31, 2019

Dear Prof. Suman K Mitra,

**Subject: RESPOND Project - "SAR Polarimetric Image classification using Wishart Mixture model and convolution Neural Networks"-reg.**

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This has reference to your submission of the above mentioned research proposal for funding under RESPOND Programme. The domain experts in Department of Space have reviewed the proposal. I wish to inform you that Chairman, ISRO / Secretary, DOS has approved the following:

1. Funding of the project under RESPOND Programme for a period of **Three Years** with a total outlay of **₹25.33 Lakhs (Rupees Twenty Five Lakh and Thirty Three Thousand only)** towards meeting the expenditure of the project (budget details enclosed).
2. Release of first year grant of **₹11.71 Lakhs (Rupees Eleven Lakh and Seventy One Thousand only)** towards meeting the 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). However, on conclusion of the project, you will have to send a comprehensive report covering total project activities. The copies of reports should be sent to **Director, SAC, Ahmedabad (Attn: Dr. (Smt.) Parul Patel, Respond Coordinator, SAC, Ahmedabad)** and two copies to the undersigned.
- (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). On completion of the project, you have to send the final FUC and Audited Account Statement for the total expenditure incurred in the project.

The FUC and AAS should be sent to the Pay & Accounts Officer, Department of Space, Antariksh Bhavan, New BEL Road, Bengaluru 560094 and Director, SAC, Ahmedabad (Attn: Dr. (Smt.) Parul Patel, Respond Coordinator, SAC, Ahmedabad) with a copy to the undersigned.

The Department of Space has already issued Financial sanction order for the approved grant (copy enclosed).

As per the revised fellowship norms, you have to appoint a person with PG Degree in Basic Science OR Graduate/Post Graduate Degree in Professional Course selected through a process described through any one of the following: (a) Scholars who are selected through **National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) and GATE** (b) The selection process through National level examinations conducted by Central Government Departments and their Agencies and institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc as JRF. You may kindly intimate us and send the details of JRF after appointment.

You may kindly note that, as per the govt. of India rules, the interest accrued on the grants 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. The DD shall be sent to the Pay & Accounts Officer, Dept. of Space, Antariksh Bhavan, ISRO HQs, New BEL Road, Bengaluru: 560 094.

You are requested to submit 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 560 094 with a copy to the undersigned for releasing the grants (to The Director, Dhirubhai Ambani Institute of Information & Communication Technology (DAIICT), Gandhinagar at the earliest

With Best Regards,

Yours sincerely,



(M.A. Paul)

**Prof. Suman K Mitra**  
**Professor**  
**Dhirubhai Ambani Institute of Information &**  
**Communication Technology (DAIICT)**  
**Near Indroda Circle**  
**Gandhinagar : 382 007**  
**Gujarat.**

CC: Director, CBPO, ISRO HQ  
Director, SAC, Ahmedabad  
Director, DAIICT, Gandhinagar, Gujarat  
Shri Deepak Putrevu, EPSA-AMHTDG-MTDD, SAC, Ahmedabad  
Dr. (Smt.) Parul Patel, Respond Coordinator, SAC, Ahmedabad

No.DS-2B-13012(2)/81/2019-Sec.2  
भारत सरकार/Government of India  
अंतरिक्ष विभाग/Department of Space  
\* \* \*

Antariksh Bhavan,  
New BEL Road,  
Bengaluru - 560 094.

December 17, 2019

Director,  
Dhirubhai Ambani Institute of Information & Communication Technology (DAIICT),  
Near Indroda Circle,  
Gandhinagar,  
Gujarat - 382 007.

Sir,

Sub: Grant-in-aid - RESPOND- Release of grant for the new project entitled **"SAR Polarimetric Image Classification using Wishart Mixture model and convolution Neural Networks"** - reg.  
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I am directed to convey the sanction of the President to a grant of ₹11,71,000/- (Rupees Eleven lakh seventy one thousand only) to meet the expenditure towards the new project entitled **"SAR Polarimetric Image Classification using Wishart Mixture model and convolution Neural Networks"** (total project cost is ₹25.33 lakh for a period of three years) by Dhirubhai Ambani Institute of Information & Communication Technology (DAIICT) during first year of the project.

2. The amount of ₹11,71,000/- (Rupees Eleven lakh seventy one thousand only) will be paid to you by the Pay & Accounts Officer, Department of Space, Antariksh Bhavan, New BEL Road, Bengaluru - 560 094 on receipt of the bill.

3. The grant-in-aid sanctioned shall be subject to the terms and conditions mentioned in the Annexure enclosed.

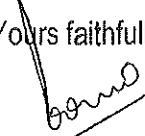
4. A separate account for the grant-in-aid sanctioned will have to be maintained which are subject to scrutiny by the Indian Audit and Accounts Department who will also have the right of access to the Book of Accounts.

5. Accounts of expenses incurred out of grant should be prepared, maintained and authenticated by approved auditors. The final accounts statement in duplicate duly audited along with Utilisation Certificate in GFR 12A format (GFR 2017) should be sent to the Pay & Accounts Officer, Department of Space, Bengaluru - 560 094 at the end of each financial year of support.

....2/-

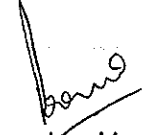
6. The expenditure involved is debitale to "Head: 3402.00.103.09.00.31- Space Research- Space Sciences-Respond- GIA-General" - under 'Grant No.93 - Department of Space' for the financial year 2019-2020.

Yours faithfully,

  
(पूर्णिमा मनोज/Poornima Manoj)  
(वरिष्ठ लेखा अधिकारी/Sr.Accounts Officer)

Copy for information and necessary action to:

1. The Director, CBPO, ISRO Hq., Bengaluru
2. Associate Director, RESPOND, ISRO Hq., Bengaluru  
(Ref No.ISRO/RE/3/858/19-20 dated 05.12.2019)
3. The Director General of Audit, Scientific Departments, DGACR Building, IP Estate, New Delhi - 110 001.
4. The Director, O/o the Director General of Audit, Scientific Departments, Antariksh Bhavan, New BEL Road, Bengaluru - 560 094
5. Chief Controller of Accounts, DOS
6. Senior Accounts Officer, ISRO Hq., Bengaluru
7. The Pay & Accounts Officer, Department of Space, Bengaluru - With a request to make the payment of ₹11,71,000/- (Rupees Eleven lakh seventy one thousand only) in favour of "The Director, Dhirubhai Ambani Institute of Information & Communication Technology (DAIICT), Gujarat" on receipt of the Bill.
8. The Senior Head (Internal Audit), DOS, Bengaluru
9. Prof. Suman K Mitra, Professor, Dhirubhai Ambani Institute of Information & Communication Technology (DAIICT), Near Indroda Circle, Gandhinagar - 382 007, Gujarat.

  
(पूर्णिमा मनोज/Poornima Manoj)  
(वरिष्ठ लेखा अधिकारी/Sr.Accounts Officer)

Budget of the project: "SAR Polarimetric Image classification using Wishart Mixture model and convolution Neural Networks" by Prof. Suman K Mitra ,Professor,Dhirubhai Ambani Institute of Information and Communication Technology (DAIICT) , Gandhinagar, Gujarat.

(Rs. In Lakhs)

Sl. No	Item of Expenditure	I <sup>st</sup> Yr	II <sup>nd</sup> Yr	III <sup>rd</sup> Yr	Total
1	<b>Manpower:1 JRF</b> @ ( ₹ 31000 pm+ HRA 24 %) pm for 1 <sup>st</sup> and 2 <sup>nd</sup> Yr @ ( ₹ 35000 pm+ HRA 24 %) pm for 3 <sup>rd</sup> Yr	4.61	4.61	5.21	<b>14.43</b>
2	<b>Equipment</b> Workstation, GPU System	3.50	0.00	0.00	3.50
3	<b>Satellite Data</b>	2.00	0.00	0.00	2.00
4	Consumables and Supplies	0.20	0.20	0.30	0.70
5	Contingencies	0.20	0.20	0.30	0.70
6	Travel	0.20	0.30	0.50	1.00
<b>Sub Total</b>		<b>10.71</b>	<b>5.31</b>	<b>6.31</b>	<b>22.33</b>
7	Over heads	1.00	1.00	1.00	3.00
<b>Total</b>		<b>11.71</b>	<b>6.31</b>	<b>7.31</b>	<b>25.33</b>