

FILE NO. ANRF/PAIR/2025/000007/PAIR-B
Anusandhan National Research Foundation (ANRF)
(A statutory body created by an Act of Parliament - ANRF Act, 2023)
Partnerships for Accelerated Innovation and Research (PAIR)

3rd and 4th Floor Block II Technology Bhavan
New Mehrauli Road
New Delhi 110016

Dated: 12 July, 2025

ORDER

Subject: Financial assistance for the PAIR Network titled "Partnerships in Research for Advanced Technologies in Healthcare, AI, Materials & Energy (PRATHAME)" by Dr. Chandra Shekhar Sharma, Professor, Indian Institute of Technology Hyderabad, Kandi supported under Category B for one year for collaborative activities

Sanction of Anusandhan National Research Foundation (ANRF) is hereby accorded to the above-mentioned project under **Partnerships for Accelerated Innovation and Research (PAIR)** (Category B) at **Indian Institute of Technology Hyderabad, Kandi** leadby, Dr. Chandra Shekhar Sharma, Professor, Indian Institute of Technology Hyderabad, Kandi, for an amount of Rs. 23000000/- (Rupees Two Crore Thirty Lakh Only) under Grants-in-aid General (Recurring head) for a duration of 1 year.

The details of institutions involved in the PAIR network are as follows. The list of Co-PIs involved in the project are given in Annexure I.

The details of institutions involved in the PAIR network are as follows:

| S.No. | Hub Institution | Spoke Institutions |
|-------|---|---|
| 1 | Indian Institute of Technology Hyderabad, Kandi Project Director: Dr. Chandra Shekhar Sharma, Professor, Chemical Engineering | 1. Central University of Andhra Pradesh, Transit Campus, JNTU IT Incubation Centre, Chinmaya Nagar PI: Dr. Babu G, Associate Professor and Associate Dean, Political Science 2. Indian Institute of Information and Technology, Raichur, Transit in Government Engineering College (GEC), Yermarus Camp PI: Dr. Dubacharla Gyaneshwar, Assistant Professor, Computer Science and Engineering 3. Indian Institute of Information Technology Dharwad, Ittigatti Road, Near Sattur Colony PI: Dr. Deepak K T, Assistant Professor, Electronics and Communication Engineering 4. Jawaharlal Nehru Technological University (Anantapur), JNTU Anantapur PI: Prof. Satyanarayana Venkata Suggala, Professor, Chemical Engineering 5. National Institute of Technology, Andhra Pradesh, Old Aerodrome, Near Kondrupolu, Tadepalligudem PI: Dr. RaviKiran Sastry G, Professor, Mechanical Engineering 6. National Institute of Technology Raipur, G.E. Road PI: Dr. Manwendra Kumar Tripathi, Assistant Professor, Department of Metallurgical and Materials Engineering 7. Pt. Ravishankar Shukla University, Amanaka G. E. Road PI: Prof. Manas Kanti Deb, Professor, School of Studies in Chemistry |

The following budget has been considered for Indian Institute of Technology Hyderabad, Kandi :

| S. No | Head | Total (in Rs.) |
|-------|---|----------------|
| A | Recurring Items | |
| 1 | Recurring - I (Consumables, Contingencies, Travel etc.) | 20000000 |
| 2 | Recurring - II (Overhead Charges) | 3000000 |
| A' | Total Cost (1+2) | 23000000 |

2. The sanction order for the assignment of funds under recurring head will be issued separately. The project becomes operational from the day the first instalment of the grant is assigned to the institute.

3. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions, as per Annexure-II. Failure to comply with the terms and conditions of the sanction order will entail withdrawal of assigned limits.

4. The assigned limits have to be utilised for the purpose, within the financial year. Financial year carry forward will not be allowed.

5. Any unutilized assignment will be withdrawn by ANRF.

6. The institute will furnish to the ANRF, utilization certificates (UC), financial year-wise for Recurring (Grants-in-aid General) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year (as per 12 A of GFR 2017).

7. The institute will maintain separate audited accounts for the project.

8. Operational flexibility is provided to utilise the funds under the Recurring-I head, subject to the following conditions.

a. The assignment will be made to the Hub institution. There will not be downstream assignment to the spoke institutions from the Hub. Hub can utilise the sanctioned amount on collaborative activities as proposed in the Short Collaborative Proposal.

b. Only domestic travel is permitted.

9. As per rule 211 of GFR, the accounts of the project shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so.

10. The institutions shall not transfer the assignments to any other account nor divert the same to Fixed Deposits/ Flexi-Account/ Multi-Option Deposit Account/ Corporate Liquid Term Deposit (CLTD) account etc./in any manner whatsoever. The assignment released to the institute shall not be parked in any bank account of any other agency. Direct payments through PFMS to be made to vendors/suppliers.

11. The institute shall ensure the compliance of OM. No. 1/(18)/PFMS/FCD/2021 dated: 9th March 2022 and OM No. 3/(06)/PFMS/2023 dated 5th February 2024 of the Department of Expenditure, Ministry of Finance and subsequent directions issued thereafter.

12. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc.


13. The investigator/host institute must acknowledge the support provided to them in all publications and any other output emanating from the project/program funded by ANRF, along with the project file number ANRF/PAIR/2025/000007/PAIR-B.

14. The institute should ensure that the technical support/financial assistance provided by the ANRF should invariably be highlighted/acknowledged in the opening paragraphs of their Annual Report.

15. As and when required, separate governance guidelines will be released for the technical review and financial monitoring of the sanctioned projects as issued by ANRF.

16. Health, safety and environmental-related government norms, as issued from time to time and given at ANRF website, are required to be followed by all beneficiaries of the project, including PD and team involved. ANRF will not be accountable for any legal consequences of non-compliance with safety norms.

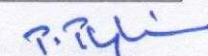
17. The PD is encouraged to actively showcase their projects on appropriate social media platforms to ensure greater visibility and public engagement. Regular updates, such as project milestones, publications, technical meetings, product development, and outreach efforts, should be disseminated through engaging content in the form of text, images, videos or infographics tagging @ANRFIndia, #ANRFIndia and the relevant program account. The content should uphold the organization integrity and sanctity.


(Dr. Thangaradjou T)
Scientist F

To,
DDO
ANRF, New Delhi

Copy forwarded for information and necessary action to:-

| | |
|----|--|
| 1. | The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I. P. Estate, Delhi 110002 |
| 2. | Sanction Folder, ANRF, New Delhi. |
| 3. | File Copy |
| 4. | Dr. Chandra Shekhar Sharma Chemical Engineering Indian Institute of Technology Hyderabad, Kandi Email: cssharma@iith.ac.in Mobile: 918374461784 |
| 5. | office.src@iith.ac.in Indian Institute of Technology Hyderabad, Kandi (Receipt of Grant may be intimated to the undersigned by email/through ANRF dashboard) |


(Dr. Thangaradjou T)
Scientist F

FILE NO. ANRF/PAIR/2025/000007/PAIR-B (G)
Anusandhan National Research Foundation (ANRF)
(A statutory body created by an Act of Parliament - ANRF Act, 2023)
Partnerships for Accelerated Innovation and Research (PAIR)

Dated: 12 July, 2025

ORDER

Subject: Financial assistance for the PAIR Network titled "Partnerships in Research for Advanced Technologies in Healthcare, AI, Materials & Energy (PRATHAME) " by Dr. Chandra Shekhar Sharma, Professor, Indian Institute of Technology Hyderabad, Kandi supported under Category B for one year for collaborative activities

1. In continuation of ANRF's sanction order No. ANRF/PAIR/2025/000007/PAIR-B dated 12 July, 2025, sanction of the competent authority is hereby accorded to the assignment of Rs.1,50,00,000/- (Rupees One Crore Fifty Lakh Only) under Grants-in-aid General (Recurring head) Indian Institute of Technology Hyderabad, Kandi, being the first instalment during the financial year 2025-2026 for implementation of above said project.

2. This sanction order is subject to fulfilment of all the Terms & Conditions as per Annexure-II.

3. This assignment is being made under **Partnerships for Accelerated Innovation and Research (PAIR)** - General.

4. The assignment has been issued with the approval and concurrence of the competent authority Finance No. ANRF/F/5335/2025-2026 dated 09 July, 2025

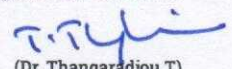
5. The assignment limit of Rs.1,50,00,000/- (Rupees One Crore Fifty Lakh Only) under 'Grants-in-aid General' will be drawn by DDO, ANRF and assign to institution through saving bank account opened for ANRF Scheme (4211), as per the details given below:

| | |
|---------------------------|--|
| Name of A/C Holder | ANRF |
| Bank A/C No | 349902010052015 |
| Name of the Bank & branch | Union Bank of India, Delhi-Safdarjang Branch, South Delhi-110016 |
| RTGS/IFSC code | UBIN0534994 |

ANRF will further allocate/assign the above limit as expenditure to the institution through PFMS as per details given below: -

| | |
|-------------------------------------|--|
| Complete address of the Institution | Indian Institute of Technology Hyderabad , Kandi |
| PFMS unique code | IITHYD |
| Name of the PI | Dr. Chandra Shekhar Sharma |
| Email ID of PI | cssharma@iith.ac.in |

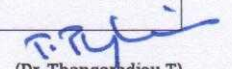
6. As per Rule 234 of GFR 2017, the sanction has been entered at S. No. 2025/07 in the register of grants maintained for the Partnerships for Accelerated Innovation and Research (PAIR) program.


(Dr. Thangaradjou T)
Scientist F

To,
DDO
ANRF, New Delhi

Copy forwarded for information and necessary action to: -

| | |
|----|---|
| 1. | The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I. P. Estate, Delhi 110002 |
| 2. | Sanction Folder, ANRF, New Delhi. |
| 3. | File Copy |
| 4. | Dr. Chandra Shekhar Sharma Chemical Engineering Indian Institute of Technology Hyderabad, Kandi Email: cssharma@iith.ac.in Mobile: 918374461784 |
| 5. | office.src@iith.ac.in Indian Institute of Technology Hyderabad , Kandi (Receipt of Grant may be intimated to the undersigned by email/through ANRF dashboard) |


(Dr. Thangaradjou T)
Scientist F

List of Co-PI associated with the PAIR Network Collaborative Project at Indian Institute of Technology Hyderabad, Kandi

Indian Institute of Technology Hyderabad, Kandi

Dr. Nagarajan Ganapathy, Assistant Professor, Biomedical Engineering
 Dr. Pradeep Kumar Yemula, Associate Professor, Electrical
 Dr. Yogesh Kumar Srivastava, Assistant Professor, Department of Physics
 Prof. Saket Asthana, Professor, Physics
 Dr. Surendra Kumar Martha, Associate Professor, Chemistry
 Dr. Aravind Kumar Rengan, Faculty, Biomedical Engineering
 Dr. Falguni Pati, Associate Professor, Biomedical Engineering
 Dr. Mudrika Khandelwal, Associate professor, Materials Science and Metallurgical Engineering
 Dr. Sriji P.K., Associate Professor, Computer Science and Engineering
 Dr. Shourya Dutta Gupta, Assistant Professor, Materials Science and Metallurgical Engineering
 Dr. Krishna Mohan C, Professor, Computer Science and Engineering
 Dr. Sumohana S Channappa, Associate Professor, Electrical Engineering
 Prof. KISHALAY MITRA, Professor, Chemical Engineering
 Dr. Sayak Banerjee, Assistant Professor, Mechanical and Aerospace Engineering
 Dr. Rupesh Ganpatrao Wandhare, Associate Professor, Electrical Engineering
 Dr. Suresh Kumar Garlapati, Assistant Professor, Materials Science and Metallurgical Engineering
 Dr. Suhash Ranjan Dey, Professor, Materials Science and Metallurgical Engineering
 Prof. Garikapati Narahari Sastry, Professor, Biotechnology
 Dr. Neeraj Kumar, Assistant Professor, Cognitive Science and Liberal Arts
 Dr. Arup Mahata, Assistant Professor, Department of Chemistry
 Dr. Deepu J Babu, Assistant Professor, Materials Science and Metallurgical Engineering
 Dr. Narendra Kurra, Assistant Professor, Department of Chemistry
 Dr. Sandipan Ray, Assistant Professor Grade I, Department of Biotechnology

1. Central University of Andhra Pradesh, Transit Campus, JNTU IT Incubation Centre, Chinmaya Nagar

Dr. THOTA SIVA, Assistant Professor T C, Mathematics and Computing
 Dr. C Krishna Priya, Assistant Professor, Computer Science and AI
 Dr. P Sumalatha, Assistant Professor, Computer Science
 Dr. VINOD KUMAR YATA, Assistant Professor, Molecular Biology

2. Indian Institute of Information and Technology, Raichur, Transit in Government Engineering College (GEC), Yermarus Camp

Dr. Harish Kumar Sardana, Professor and Director, Computer Science and Engineering
 Dr. PRIYANKA SINGH, Assistant Professor, Computer Science and Engineering
 Dr. Natesha B V, Assistant Professor, Computer Science and Engineering
 Dr. M Kiran Reddy, Assistant Professor, Electronics and Communication Engineering
 Dr. RAMESH KUMAR JALLU, Assistant Professor, CSE
 Dr. Priodyuti Pradhan, Assistant Professor, Department of Computer Science and Engineering
 Dr. Bharat Soni, Assistant Professor, Mathematics
 Dr. Debmalaya Sain, Assistant Professor, Mathematics
 Dr. Neha Agarwal, Assistant Professor, CSE
 Dr. ANUP KUMAR HALDER, Assistant Professor, CSE
 Dr. Nabin Kumar Meher, Assistant Professor, Mathematics
 Dr. Jahnvi Tiwari, Assistant Professor, CSE

3. Indian Institute of Information Technology Dharwad, Ittigatti Road, Near Sattur Colony

Dr. Vivekraj V K, Assistant Professor, Computer Science and Engineering
 Dr. Aswath Babu Hanumantharayappa, Assistant Professor in Physics, Department of Arts Science and Design
 Dr. Pavan Kumar C, Assistant Professor, Computer Science and Engineering
 Dr. Sibasankar Padhy, Assistant Professor, Department of Electronics and Communication Engineering
 Dr. SUNIL SAUMYA, ASSISTANT PROFESSOR, Data Science and Artificial Intelligence
 Dr. Siddharth R, Assistant Professor, Data Science and Artificial Intelligence
 Dr. Chinmayananda A, Assistant Professor, Electronics and Communication Engineering
 Dr. Girish GN, Assistant Professor, Computer Science and Engineering
 Dr. Sunil C K, Assistant Professor, Computer Science and Engineering
 Dr. K S Nataraj, Assistant Professor, Electronics and Communication Engineering
 Dr. Pankaj Kumar, Assistant Professor, ECE

4. Jawaharlal Nehru Technological University (Anantapur), JNTU Anantapur

Dr. Dilip Kumar Behera, Professor, Chemical Engineering
 Dr. Shoba Bindu Chigarapalle, Professor, Computer Science and Engineering
 Prof. Venkata Subba Reddy Gopireddy, Professor, Chemistry
 Dr. B OM PRAKASH, Assistant Professor, Mechanical Engineering
 Dr. Kadavakollu Kalyani Radha, Associate PROFESSOR, MECHANICAL ENGINEERING


 Dr. T. Thangaradjou
 Scientist 'F'

Dr. Shaikh Hussain Vali, ASSISTANT PROFESSOR, ELECTRICAL AND ELECTRONICS ENGINEERING
Prof. R KIRANMAYI, Professor, EEE
Prof. Kalluru Sesha Maheswaramma, Professor, Chemistry
Prof. Reniguntla Padma Suvarna, PROFESSOR, PHYSICS
Dr. B Eswara Reddy, Professor, Computer Science and Engineering

5. National Institute of Technology, Andhra Pradesh, Old Aerodrome, Near Kondrupolu, Tadepalligudem

Dr. Sankar Peddapati, Assistant Professor, Electrical Engineering
Dr. Tejavathu Ramesh, Assistant Professor, Electrical Engineering
Dr. Puchalapalli Dinesh Sankar Reddy, Associate Professor, Chemical Engineering
Dr. Srikanth Allamsetty, Assistant Professor, Department of Electrical Engineering
Dr. Sandeep Vuddanti, Assistant Professor, Electrical Engineering
Dr. Jyothinagaram Krishnamurthy, Assistant Professor, Physics
Dr. Thella Babu Rao, Assistant Professor, Mechanical Engineering
Dr. Srilatha Chebrolu, Assistant Professor, Department of Computer Science and Engineering
Dr. Vinoth Kumar R, Assistant Professor, Chemical Engineering
Dr. HIMABINDU Kommanti, Assistant Professor, CSE
Dr. Santhosh Kumar Gugulothu, Assistant Professor, Mechanical Engineering Department
Dr. Seenivasan Ayothiraman, Assistant Professor, Department of Biotechnology
Dr. Narasimha Rao Banavathu, Assistant Professor, Electronics and Communication Engineering
Dr. Karthick Seshadri, Assistant Professor (Grade I), Computer Science and Engineering
Dr. Nagesh Bhattu Sristy, Assistant Professor, Computer Science and Engineering
Dr. Kiran Teeparthi, Assistant Professor, Electrical Engineering
Dr. Santosh Kumar Behara, Assistant Professor, Metallurgical Materials Engineering
Dr. Sudarshana Deepa Vijaykumar, Assistant Professor, Biotechnology
Dr. SURENDRA HITTANAHALLI MAHADEVEGOWDA, Assistant Professor, Chemistry
Dr. Sri Phani Krishna Karri, Assistant Professor, Electrical Engineering
Dr. Ramudu Machavarapu, Assistant Professor, School of Sciences PHYSICS
Dr. SUNIL KUMAR RAJULAPATI, Assistant Professor, Department of Metallurgical and Materials Engineering
Dr. Dr. T. Karthikeya Sharma, Assistant Professor, Mechanical Engineering
Dr. Raffi Mohammed, Assistant Professor, METALLURGICAL AND MATERIALS ENGINEERING
Dr. Krishna Chaitanya A, Assistant Professor, Electronics and Communication Engineering
Dr. Amarendar Reddy M, Assistant Professor, School of Sciences
Dr. Veeresh Kumar GB, Assistant Professor, Mechanical Engineering

6. National Institute of Technology Raipur, G.E. Road

Dr. Arindam Bit, Assistant Professor, Biomedical Engineering
Dr. Manoj Kumar Chopkar, Associate Professor, Department of Metallurgical Engineering
Dr. Dijendra Nath Roy, Assistant Professor Senior Grade, Biotechnology
Dr. Anand Kumar Jayapal, Associate Professor, CHEMICAL ENGINEERING DEPARTMENT
Dr. Ayush Khare, Associate Professor, Physics
Dr. Anamika Yadav, Professor, Electrical Engineering
Dr. Suwendu Rup, Associate Professor, Department of Information Technology
Dr. Monalisa Biswal, Associate Professor, Electrical Engineering
Dr. Manu Vardhan, ASSOCIATE PROFESSOR, COMPUTER SCIENCE AND ENGINEERING
Dr. Raj Kumar Sahu, Assistant Professor, Mechanical Engineering
Dr. Srinivasu Gangi Setti, Assistant Professor, Mechanical Engineering
Dr. Awanish Kumar, Associate Professor, Biotechnology
Dr. Manivannan Ramachandran, Associate Professor, Chemical Engineering
Dr. Noyel Victoria S, Associate Professor, Chemical Engineering
Dr. Dharm Pal, Associate Professor, Chemical Engineering
Dr. Toshani Lal Meenpal, Associate Professor, Electronics & Communication
Mr. Sanjeev Kumar, Assistant Professor Grade I, Mechanical Engineering
Dr. Narendra D. Londhe, Associate Professor, Electrical Engineering
Dr. Suraj Kumar Mukti, Associate Professor, Department of Mechanical Engineering
Dr. Sudip Kumar Sinha, Assistant professor, Metallurgical and Materials Engineering
Dr. Sharda Bharti, Assistant Professor, Biotechnology
Dr. Subhas Ganguly, Associate Professor, Metallurgical and Materials Engineering
Dr. Mainak Basu, Assistant Professor, Department of Biomedical Engineering
Dr. Tirath Prasad Sahu, Assistant Professor, Information Technology
Dr. TUNGABIDYA MAHARANA, ASSOCIATE PROFESSOR, CHEMISTRY
Dr. Aakanksha Sharaff, Assistant Professor Grade I, Computer Science and Engineering
Dr. Sachin Jain, Professor, Electrical Engg
Dr. NEHA GUPTA, ASSISTANT PROFESSOR, METALLURGICAL AND MATERIALS ENGINEERING
Dr. Dilip Singh Sisodia, Associate Professor, Computer Science and Engineering
Dr. Venkata Swamy Naidu Neigapula, Professor, Mechanical Engineering
Dr. Chandrashekar Jatoth, Assistant Professor, Information Technology
Dr. Guru Prasad Mishra, Associate Professor, Electronics and Telecommunication
Dr. Deboraj Muchahary, Assistant Professor, Electronics and Communication Engineering Department
Dr. Jitendra Kumar Rout, Assistant Professor I, Computer Science and Engineering
Dr. Mahendra Shivaji Gaikwad, Assistant Professor, Department of Chemical Engineering
Dr. Ashish Kumar, Assistant Professor, Electronics and Communication Engineering
Dr. Venu Sonti, Assistant Professor, Department of Electrical Engineering


Dr. T. Thangaradjou
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Dr. Deepak Singh, Assistant Professor, Computer Science and Engineering
Dr. Vivek Kumar Gaba, Assistant Professor, Mechanical Engineering
Dr. NAGASRUTHI NEELAM, Assistant Professor, Metallurgical and Materials Engineering
Dr. Bhargavi Rani Anne, Assistant Professor, Metallurgical and Materials Engineering
Dr. Ajay Singh Raghuvanshi, Associate Professor, Electronics and Communication Engineering
Dr. Bibhudendra Acharya, Associate Professor, Electronics and Communication Engineering

7. Pt. Ravishankar Shukla University, Amanaka G. E. Road

Dr. Manju Singh, Associate Professor, Pharmacy
Dr. Manmohan Lal Satnami, Assistant Professor, School of Studies in Chemistry
Prof. Keshav Kant Sahu, Professor, Biotechnology
Dr. YUGAL KISHOR MAHIPAL, ASSISTANT PROFESSOR, PHYSICS
Dr. DURGA PRASAD BISEN, Professor, SOS in Physics & Astrophysics
Prof. NAMEETA BRAHME, Professor And Head, School of studies in Physics and Astrophysics
Dr. Indrapal Karbhal, Assistant Professor, School of Studies in Chemistry, Pt. Ravishankar Shukla University - Raipur, Chhattisgarh
Dr. Kamlesh Kumar Shrivastava, Professor, School of Studies in Chemistry
Dr. Deependra Singh, Assistant Professor, Pharmacy


Dr. T. Thangaradjou
Scientist 'F'