



राष्ट्रीय नवप्रवर्तन प्रतिष्ठान – भारत

विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार का स्वायत्तशासी संस्थान

**National Innovation Foundation - India**

Autonomous Institute of the Department of Science and Technology, Govt. of India



# 2023-2024 ANNUAL REPORT



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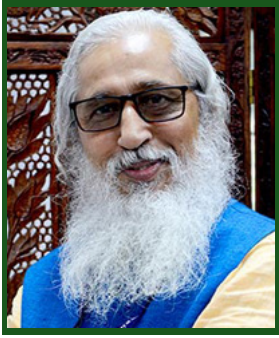
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## Chairperson's Message

**Prof. Anil D. Sahasrabudhe**

*Chairperson*

National Innovation Foundation – India

It brings me immense pride to witness the continued journey of the National Innovation Foundation – India (NIF) as it strengthens its commitment to the spirit of innovation at the grassroots level. In a world where change is the only constant, our mission to empower creative minds from diverse corners of India has never been more relevant. This year, NIF has taken deliberate strides towards not just promoting innovation but also ensuring that these innovations make a meaningful difference in the lives of people across various communities.

At the heart of NIF's success lies the recognition that grassroots innovation requires a nurturing ecosystem, one that encourages not only creativity but also resilience. Our efforts this year have revolved around building stronger connections between innovators and the support systems they need to flourish. By leveraging partnerships with governmental bodies, academic institutions, and local communities, we are paving the way for innovations that address practical, real-world challenges.

The acknowledgment and support from the Hon'ble President of India for key initiatives like the Festival of Innovation and Entrepreneurship (FINE) have further solidified the national importance of our work. Such recognition inspires us to continue pushing boundaries and amplifying the voices of innovators whose ideas hold the potential to create sustainable and inclusive growth.

Looking ahead, the future of innovation lies not in isolated efforts but in collective action. NIF's role as a facilitator of ideas will be more critical than ever, as we collaborate with stakeholders from various fields to scale impactful innovations. As Chairperson, I firmly believe that our focus must remain on empowering innovators who are shaping solutions that not only improve livelihoods but also contribute to a more equitable and sustainable world.

I extend my deepest gratitude to Prof. Abhay Karandikar, Secretary, Department of Science and Technology, for his ongoing guidance and support. I also express my sincere appreciation for entire NIF team whose relentless efforts continue to bring our vision to life.

With renewed energy and optimism, I look forward to witnessing the next chapter of NIF's incredible march towards helping create a Viksit and Atmanirbhar Bharat, by crystallizing innovation as a force for good and a catalyst for change.

With best wishes,

Anil Sahasrabudhe





## Director's Message

**Dr. Arvind C Ranade**

*Director*

National Innovation Foundation - India

I am proud to present the Annual Report of the National Innovation Foundation – India (NIF) for the year 2023-24. This year has been marked by significant achievements, strategic initiatives, and a renewed commitment to strengthen the architecture of grassroots innovations in India. As we navigate the evolving landscape of innovations, NIF continues to serve as a beacon of creativity, empowering individuals and communities to transform their ideas and metamorphose them into practical solutions.

This year commenced on a great note of appreciation by the Hon'ble President of India. I tender my most sincere gratitude to our Hon'ble President and the Office of the President, for hosting the Festival of Innovation and Entrepreneurship (FINE) and NIF's Biennial National Grassroots Innovation Awards, celebrating the ingenuity of grassroots innovators. FINE has emerged as a brilliant platform for innovators, entrepreneurs, and policymakers to engage and exchange ideas, to bolster the culture of innovation in India. Such events not only recognize and honour creativity but also inspire a broader audience to participate and support indigenous innovations. Furthermore, Our Innovation Yatras have traversed across many states, unearthing hidden gems of intriguing indigenous knowledge and elevating grassroots innovators to the forefront. On the global stage, our international collaborations have paved the way for new avenues of learning and exchange, significantly enriching the landscape of India's innovation ecosystem. Moreover, our active engagement in the India International Science Festival (IISF) 2023 underscored the pivotal role of science and innovation in sculpting the bright future of our nation.

This year, we have taken several steps to strengthen our outreach for larger impact. Our committed participation in prominent national and international events has not only brought global attention to the Indian indigenous knowledge systems and grassroots innovations but also provided a pedestal for our innovators to exhibit their craft on the world stage. The success of NIF in platforms like the ASEAN-India Grassroots Innovation Forum (AIGIF) reaffirms our deep conviction that the spirit of innovation transcends formal laboratories. It thrives in the everyday lives and experiences of people, not only across our nation but also beyond borders, fostering a shared commitment to creativity and progress.

Looking forward to the future, we at NIF remain steadfast in our mission to create an inclusive innovation ecosystem that honours enterprise and initiatives at all levels. We believe that by empowering grassroots innovators, we are not only addressing the immediate challenges of our communities but also contributing to the larger goal of sustainable development and an inclusive Viksit Bharat.

I take this opportunity to extend my deepest gratitude to Dr P S Goel, Former Chairperson, Governing Board (GB) and the Governing Board members, for their transformational leadership and strategic guidance throughout the year. I also express heartfelt thanks to Prof Abhay Karandikar, Secretary, Department of Science and Technology (DST) for his unflinching support and guidance, as well as to all the officials of DST. Likewise, I express sincere regard to our partners and collaborators who have been pivotal in advancing our mission. Also, I loudly and fervently admire our dedicated and deserving innovators who have been the heart and soul of NIF. Your commitment to bring positive change gives meaning to our work. At last but not the least, I want to acknowledge and commend the entire NIF team

for their trailblazing efforts, passion, and resolution. It is through our collective endeavours that we have been able to make a consequential impact and continue to champion grassroots entrepreneurship and innovation in India.

With best wishes,

**Arvind C Ranade**

# Contents

Chairperson’s Message.....	iii
Director’s message .....	v
Governing Board.....	1
Finance Committee .....	2
Organisation Chart.....	3
The beginning .....	4
<b>Sectional Activities</b>	
Scouting, Documentation and Database Management.....	5
Value Addition, Research and Development & Intellectual Property Management – Engineering.....	7
Value Addition, Research and Development & Intellectual Property Management – Agriculture.....	24
Value Addition, Research and Development & Intellectual Property Management – Human Health & Veterinary Sciences.....	30
Business Development, Community Empowerment and Knowledge Management.....	36
Dissemination and Social Diffusion.....	37
Information Technology and Communication .....	40
Festival of Innovation and Entrepreneurship (FINE) .....	41
INSPIRE MANAK.....	45
India International Science Festival 2023.....	47
Partnerships .....	50
International Cooperation .....	53
Institutional Policies.....	55
Administrative and Financial matters .....	56
Publications .....	57



# Governing Board

## Chairman

1. Prof. Anil D. Sahasrabudhe  
Chairman, NETF, NBA, NAAC and Former Chairman AICTE

## Vicechairman

2. Mr. Vivekanand Pai  
Architect, Cochin

## Members

3. Prof. Vivek Kumar  
Head - Centre for Rural Development and Technology, IIT Delhi
4. Mr. Ravindra Chamaria  
Chairman and Managing Director, Infinity Group
5. Mr. Aakash Chaudhry  
Co-Founder, Aakash Educational Services Limited (AESL)
6. Ms. Sulajja Firodia Motwani  
Founder and CEO Kinetic Green Energy and Power Solutions Limited
7. Mr. Mayank Gandhi  
Social Activist and Founder and Managing Trustee, Global Vikas Trust
8. Ms. Aradhana Khaitan  
Founder and MD, Manya Education Private Limited
9. Prof. Tanuja Nesari  
Director, All India Institute of Ayurveda, New Delhi

## Members ex officio

10. Secretary, DST, Government of India
11. Secretary, DBT, Government of India
12. Secretary, D/O School Education & Literacy, Ministry of Education, Government of India
13. Secretary, Ministry of MSME, Government of India
14. Secretary, Ministry of AYUSH, Government of India
15. DG-ICMR, Government of India
16. DG-ICAR, Government of India
17. DG-CSIR, Government of India

18. Chief Secretary, Government of Gujarat
19. Financial Advisor, DST, Government of India

### **Member - Secretary, ex officio**

20. Director, National Innovation Foundation-India

## **Finance Committee**

### **Chairman**

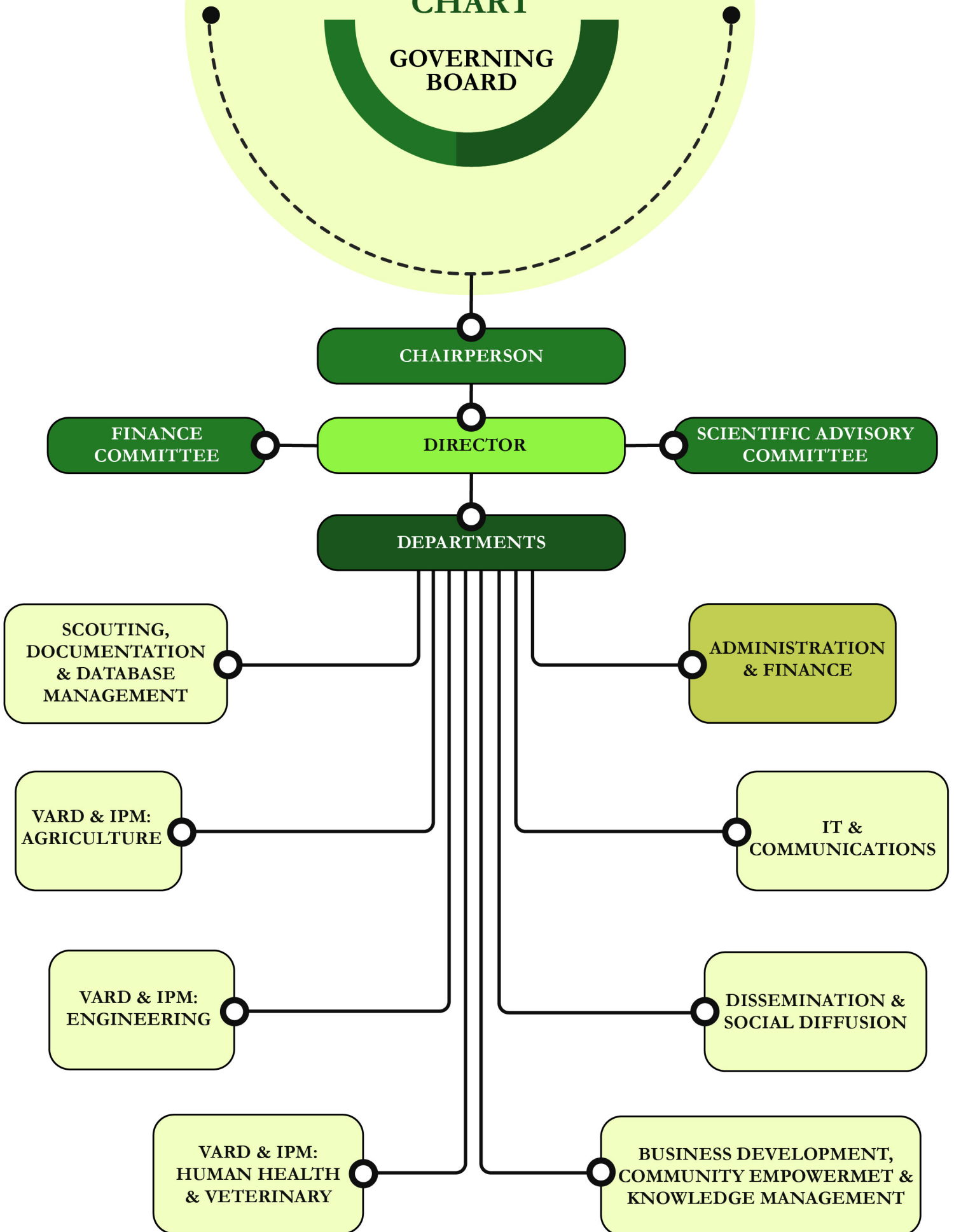
1. Prof. Anil D. Sahasrabudhe  
Chairman, NETF, NBA, NAAC and Former Chairman AICTE

### **Members**

2. Mr. Vivekanand Pai  
Architect, Cochin
3. Prof. Vivek Kumar  
Head, Centre for Rural Development and Technology, IIT Delhi
4. Prof. Tanuja Nesari  
Director, All India Institute of Ayurveda, New Delhi
5. Financial Advisor, DST, Government of India
6. Director, Natinal Innovation Foundation- India

# ORGANISATION CHART

GOVERNING BOARD



## The Beginning

The year commenced with the Festival of Innovation and Entrepreneurship (FINE) and a leadership transition at the National Innovation Foundation – India (NIF). Building upon the historical milestones set over the last two decades, NIF has embarked on a transformative journey, bringing a fresh perspective to its operations and emphasizing enhanced collaboration and innovation across various domains.

Throughout the year, in addition to the grassroots innovation and outstanding traditional knowledge incubation related activities, NIF actively participated in several prominent national and international events, including FINE 2023, National Technology Week celebrations, 4th ASEAN India Grassroots Innovation Forum (AIGIF) and activities related to the G20/S20 events.

An Innovation Yatra, promoting *Atmanirbharta* through grassroots innovations, facilitated stronger connections with innovators in different states, furthering NIF's mission, NIF expanded its global presence through various international collaborations, enhancing its role on the world stage. NIF's commitment to nurturing young talent continued through the INSPIRE MANAK program, which has successfully encouraged and recognized young innovators.

All the efforts and activities undertaken during the year underscore NIF's commitment to advancing innovation and contributing to global and national scientific communities. NIF has been active in advancing its mission, aligning with global trends and ensuring that the institution remains a catalyst for innovation and excellence.



11th Biennial National Grassroots Innovation and Outstanding Traditional Knowledge Awards of NIF at Rashtrapati Bhavan Cultural Centre



Innovation Yatra- North East



Honble Minister visiting NIF stall meeting grassroots innovators and INSPIRE MANAK Awardees during Technology Week



ASEAN INDIA Grassroots Innovation Forum



## Sectional Activities

### Scouting, Documentation and Database Management

#### National Biennial Competition

The Fourteenth National Biennial Competition began on April 1, 2023 and will accept entries up to March 31, 2025. Till March 31, 2024, more than six thousand entries from grassroots innovators and traditional knowledge holders have been received.

#### Mukhyamantri Abhinav Krishi Jantrapati Samman (Competition on Innovations in Agriculture)

The Department of Agriculture and Farmers' Empowerment, Govt. of Odisha, in association with the National Innovation Foundation - India, launched the third edition of *Mukhyamantri Abhinav Krishi Jantrapati Samman* to promote grassroots innovations in farm implements and tools. In furtherance of the launch and to sensitize and mobilize the nominations for the competition, three zonal workshops and 30 district-level workshops were conducted where Village-level Agricultural Workers (VAWs), Agricultural Overseers, Assistant Agricultural Officers, and Assistant Executive Engineers of all districts of Odisha participated. A key objective of these workshops was to impart training on scouting and documentation of innovations to the participants. Eventually, more than 2600 submissions were received from all districts of Odisha.

#### Grassroots Innovators of Punjab (GRIP)

Punjab State Council for Science & Technology (PSCST) in partnership with NIF launched a programme to identify grassroots innovations from Punjab in 2022-23 in GRIP 1.0. The network of relevant State Govt. departments, District Administrations and Knowledge Partner Institutions were involved in identifying these innovations. In GRIP 1.0 over 200 applications were received from innovators. Best 5 innovators were felicitated by Hon'ble CM of Punjab on

the World Environment Day on June 5, 2023. NIF is incubating these and other grassroots innovations identified through this process. The GRIP 2.0 concluded in the February 2024 where total 939 entries were received. These entries were reviewed and screened by NIF and ten innovators were shortlisted for presentation of awards on World Environment Day 2024.

#### Scouting Camp

A three-day scouting camp was held in the frontier Karnah valley of Kupwara district, Jammu and Kashmir, from September 7-9, 2023, to identify local problems and document new engineering and herbal-related innovations, including new plant varieties, and to identify creative children. During this fieldwork, information related to the activities of NIF was also disseminated.



Scouting & Documentation - Pauri Garhwal

#### Workshop with Herbal Healers

Herbal healers' workshops were organized on September 23, 2023, at CV Raman University, Bilaspur, Chhattisgarh, and in Dungarpur, Rajasthan on March 20, 2024, where about 70 herbal healers participated. The objective of the workshops was to promote lateral learning among knowledge holders and spread awareness about grassroots innovations while also documenting practices related to veterinary medication and human health.





Scouting & Documentation activity in district Jammu

## Scouting and Documentation Workshop

A workshop on Scouting and Documentation of Traditional Herbal Medicines was organized for pharmacy students on March 20, 2024, at the College of Pharmacy, Kangleipak Medical and Nursing Institute, a constituent college of Khongnangthaba University, Imphal, Manipur. Over 100 students participated, interacted with the healers, and documented their practices. The workshop was also attended by Dr. A. Guneshwor Sharma, Dean and Director (AYUSH) of Khongnangthaba University, and Dr. Atom Sunil Singh, Registrar, Khongnangthaba University, Manipur, along with other dignitaries.

## Strengthening the Scouting and Documentation Activities

An interactive session was held with range Officers and forest guards of the Singhbhum region of Jharkhand on December 26, 2023, at the Forest Training School, Chaibasa district, Jharkhand. The objective of the interactive session was to involve them in scouting and documentation of grassroots innovations and outstanding traditional knowledge from their regions

An online meeting was organized on April 28, 2023, with the faculty of Colleges/ Universities and their project staffs involved in scouting and documentation of grassroots innovations and traditional knowledge from across the country. 25 participants from six states, namely Assam, Madhya Pradesh, Uttarakhand, Manipur, Tripura, and Kerala, participated in the workshop. Participants shared progress, and discussed new strategies for scouting and documenting GRIs.

To strengthen the network, NIF held meetings with the Chief Executive Officer (CEO) of Odisha Rural Development and Marketing Society (ORMAS); officials of Startup Odisha; the District Forest Officer (DFO) in Balangir and Keonjhar districts of Odisha; and Chaibasa and Khunti districts, Jharkhand, for possible collaboration in NIF activities, mainly in scouting, documentation, and dissemination.



Scouting & Documentation - Pauri Garhwal

## Value Addition, Research and Development & Intellectual Property Management – Engineering

During the year, prototypes of 22 technologies were developed in the Fab Lab, including design improvements of seven technologies, namely: i) Black pepper thresher (Binoy Sebastian, Kerala), ii) Sola wood sheet making device (Deepak Sardar, West Bengal), iii) Walnut peeling machine (Md Shafi Ahangar, Jammu & Kashmir), iv) Vegetable deseeding machine (Dilip Baral, Odisha), v) Bed with detachable chair (Arushi Tondan, West Bengal), vi) Bamboo basket weaving machine (Sumit Murari, Jharkhand), and vii) Spray pump with mandatory mask (Parth Patel, Aditya Chauhan, Rohit Manavadiya, and Jaydip Raval, Gujarat). Innovators, along with NIF engineers, developed improved prototypes of their technologies.

Through physical visits and virtual meetings with innovators, various incubation activities like detailed documentation, value addition to improve the technological status of various innovations, and active engagement in community workshops were discussed and undertaken. The Preliminary Prior Art Search (PAS) and evaluation of over 600 submissions received in the Biennial competitions were completed.

A meeting of the Research Advisory Committee (RAC) - Engineering was held at Tamil Nadu Agriculture University (TNAU), Coimbatore, on May 17, 2023. The committee reviewed project proposals for value addition/prototype development of innovative technologies by grassroots innovators and proposals for establishing community workshops at the places of innovators. Along with technical support extended to over two dozen innovators for value addition in their innovations, financial support was also extended to 33 innovators from 14 states, including Andhra Pradesh, Assam, Delhi, Haryana, Jammu & Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha, Punjab, Telangana, Uttarakhand, and West Bengal. Six community workshops were set up at innovators' places in Assam, Tripura, Nagaland, Mizoram, Kerala, and Jammu & Kashmir.

Potential grassroots innovations were validated/are being validated at premier institutions, including National Institute of Technology Mizoram; Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh; Uttar Banga Krishi Vishwavidyalaya, Cooch Behar, West Bengal; Farm Machinery Testing Centre College of Agriculture, Vijayapur, University of Agricultural Sciences, Dharwad, Karnataka; Research Testing and Training Centre Vellayani, Thiruvananthapuram, Kerala; State Level Farm Machinery Training and Testing Center, Odisha; Farm Machinery Testing Centre, Maharana Pratap University of Agriculture and Technology Udaipur, Rajasthan, etc.

### Intellectual Property Management - Engineering

During the year under report, 176 patents were granted for various engineering-related innovations. Responses to First Examination Reports and inputs for hearings were provided to the law firm to ensure smooth prosecution of patent applications. Along with this, 44 new patent applications (9 Preliminary Specifications and 35 Complete Specifications) were filed in the name of innovators.



DSD - Distribution of GRIs in Mizoram



**Table 1 – Patents granted for Engineering innovations**

Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
1	Gautham Praveen A and Shweta Sharma	Bulb/ Lamp Removing And Fixing Assembly And Method Of Operating The Same	Tamil Nadu and Punjab	5137/CHE/2013	13/11/2013	428565	10/04/2023
2	Manoj Kumar Narang	Vehicle Headlight Beam Control System	Madhya Pradesh	145/MUM/2011	17/01/2011	428552	10/04/2023
3	Masirabi Hanif Patel	A Wearable Air-Conditioning Apparatus For Motorcycle Riders	Maharashtra	3412/MUM/2013	29/10/2013	428833	12/04/2023
4	Harkesh Kataria and Piyush Agarwal	Auto-Actuating Cloth Line	Haryana, Delhi	157/DEL/2012	19/01/2012	428919	13/04/2023
5	Ranjeet Gorai	Parboiled Paddy Spreader	West Bengal	229/KOL/2012	05/03/2012	431620	11/05/2023
6	S. Vanchinathan	A Device For Plucking Plant From Its Root & Method There Of	Tamil Nadu	201641037555	03/11/2016	431768	15/05/2023
7	Diva Sharma	Device And Method For Monitoring Distress In Animal	Delhi	3833/DEL/2015	24/11/2015	432174	18/05/2023
8	Soumya Ranjan Behera	System To Indicate Onset Of Convulsions/ Seizures	Odisha	1291/KOL/2013	11/12/2013	432128	18/05/2023
9	Roshanlal Vishwakarma	Planting Machine For Sugarcane Buds And Tuber Crops	Madhya Pradesh	734/MUM/2014	04/03/2014	433846	06-06-2023
10	Manodnya Shripad Vaidya	An Eco-Kite	Maharashtra	201621037172	28/10/2016	433831	06-06-2023
11	Parmar Vishal Rameshbhai	Wrapper Picker Cum Burner	Gujarat	201621008118	09/03/2016	433834	06/06/2023
12	Dobariya Nileshbhai Oghadbhai and Lunagariya Pankajbhai	An Automatic Mobile Groundnut Thresher	Gujarat	201721011568	31/03/2017	433838	06/06/2023

Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
13	Ayush Gupta and Arnov Sharma	A Device For Aiding A Disabled Part Of A Body	Uttarakhand	3834/DEL/2015	24/11/2015	434394	09/06/2023
14	Shrawan Kumar Bajya	An Integrated Rhizome Harvester	Rajasthan	3225/DEL/2015	07/10/2015	435752	27/06/2023
15	Kadivar Nasharudin Ismail	Short Circuit Alarming And Security System	Gujarat	201621008121	09/03/2016	436579	30/06/2023
16	Badgujar, Bhanudas Ramdas	Shockproof Device	Maharashtra	4094/MUM/2014	19/12/2014	437406	05/07/2023
17	Mushtaq Ahmad Dar	A Detachable And Convertible Ladder And Table Assembly	Jammu and Kashmir	202011033332	04/08/2020	438567	13/07/2023
18	Gurtej Singh	Agricultural Harvesting Machine	Punjab	201911003161	25/01/2019	438569	13/07/2023
19	Milan Jyoti Das	Incubating Device	Assam	201631008025	08/03/2016	439113	17/07/2023
20	Debangshu Kumar	Shellac Processing System And Method Thereof	West Bengal	201831042315	10/11/2018	440055	21/07/2023
21	Phamnya Konyak	System And Method For Tracking And Preventing Unauthorized Access Of A Personal Property	Nagaland	1304/KOL/2013	16/11/2013	437274	05/07/2023
22	Suresh Narothambhai Patel	Poultry Litter Raking Machine	Gujarat	595/MUM/2013	27/02/2013	441177	28/07/2023
23	Diptanshu Malviya and Mukul Malviya	A System For Picking Wrappers	Rajasthan	3275/DEL/2014	13/11/2014	440555	26/07/2023
24	Dhanurjaya Dehury	Pedal Operated Vegetable Cutting Machine	Odisha	201631037463	02/11/2016	441994	31/07/2023
25	Sanoj Kumar & Ayan Aryan	An Emergency Mechanism For Vehicular Escape	Bihar & Jharkhand	201731045593	19/12/2017	442201	01/08/2023
26	Mansukhbhai Patel	A Cotton Stripping Machine	Gujarat	201621013992	21/04/2016	446799	23/08/2023

Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
27	Kripesh Kumar Swain and Kumar Biswajeet	Modified Hand Pump For Flood Prone Region	Odisha	1280/KOL/2012	08/11/2012	446880	24/08/2023
28	Rajpal Singh Narvariya	A Hand Operated Wheel Sprayer	Madhya Pradesh	201621010943	30/03/2016	446707	23/08/2023
29	Ajay Kumar Prusty	Straw Cutter Machine And Method Thereof	Odisha	201931021651	31/05/2019	448352	30/08/2023
30	Subash Chandra Bose	Solar Seeder	Tamil Nadu	6343/CHE/2015	26/11/2015	448848	31/08/2023
31	Maishnam Maimu Singh	A Manual Silk Yarn Reeling Machine	Manipur	507/KOL/2011	04/06/2011	447742	28/08/2023
32	Abhishek Bhagat	Automatic Food Making Machine	Bihar	201833036794	28/09/2018	448948	01/09/2023
33	G. Vasanth and D. Keerthivasan	An Improved Multi-Pin Stapler	Tamil Nadu	5695/CHE/2014	12/11/2014	435173	19/06/2023
34	Durlov Gogoi	An Apparatus For Drying Tea Leaves And Operation Method Thereof	Assam	201931000032	01/01/2019	437618	06/07/2023
35	Acharya Dhavala / Acharya Devraja	Liquid Extractor	Karnataka	4597/CHE/2012	02/11/2012	450331	08/09/2023
36	Siddhant Khanna and Ranjan Khanna	An Automatic Multifunctional Instrument	Delhi	3792/DEL/2015	24/11/2015	450976	12/09/2023
37	Lipsa Pradhan	Multipurpose Picking Device For Any Even Or Uneven Surface	Odisha	1190/KOL/2015	20/11/2015	449944	06/09/2023
38	Harsha Satpathy	Wearable Indicator To Ensure Body Dehydration	Tamil Nadu	201741045456	18/12/2017	450005	06/09/2023
39	Roshanlal Vishwakarma	A Fodder Cutting And Mixing Machine And Method Thereof	Madhya Pradesh	201621007419	02/03/2016	452090	15/09/2023
40	Ram Nikash	Safety System For Platform	Tamil Nadu	5696/CHE/2014	12/11/2014	435957	27/06/2023
41	Marripelli Abhishek	Grain/Paddy Filling Machine	Telangana	201941009833	13/03/2019	453966	23/09/2023



Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
42	Indu Manikpuri	Septic Tank With Effluent Level Indicator	Chhattisgarh	201621037450	02/11/2016	456608	04/10/2023
43	Kadambini Jena	A Sack Holding Device	Odisha	201931020332	22/05/2019	455560	29/09/2023
44	Swadha Krishn & Swastik Subham Sith	Cleaning Tool Assembly With Dust Collection And Method Of Operation Thereof	Odisha	201941048304	26/11/2019	457625	09/10/2023
45	S R Valava, Pratyush Kumar Sahoo and Bikash Kumar Mallick	Oxygen Or Carbon Dioxide Indicator Device For Vehicles	Tamil Nadu and Odisha	5089/CHE/2013	11/11/2013	455660	29/09/2023
46	Nabajit Bharali	Automatic Body Controlled Wheelchair	Assam	201731005179	14/02/2017	458211	11/10/2023
47	Mast Arfath Hafizulla Shaikh	A Cnc Printer	Goa	201921027756	11/07/2019	459639	17/10/2023
48	Vishnu Kumar Sharma	A Waterbased Mask Filter	Rajasthan	201911041875	16/10/2019	459716	17/10/2023
49	Rohitbhai Manavadiya	Trash Can Assembly With Animal Safety And Operation Method Thereof	Gujarat	201821042326	10/11/2018	445851	18/08/2023
50	Arvind Khandke	Water Injection System For Internal Combustion Engine And Method Thereof	Maharashtra	201821028661	31/07/2018	464303	31/10/2023
51	Shrutiparna Ratha	A Digital Water Use Monitoring Apparatus	Odisha	201731045887	20/12/2017	466165	06/11/2023
52	Narvariya Rajpal Singh	A Tractor Mounted Combine Harvester	Madhya Pradesh	201721006557	23/02/2017	466243	06/11/2023
53	Birendra Singh F/o Dharmendra Singh	A Sand Filtration Machine	Uttarakhand	201911027759	11/07/2019	466647	07/11/2023
54	Gopani Rajan R	Solar Powered Lathe	Gujarat	201621008122	09/03/2016	469053	14/11/2023
55	Sahil Raja, Md. Sahanawaz Hussain, Nasiruddin Kabir, Arnab Ghosh, Mohandas.M, Hanif Ayyub Patel	Foldable Wheeled Legs In School Bag	West Bengal, West Bengal, West Bengal, West Bengal, Kerala, Maharashtra	201731045915	20/12/2017	469631	16/11/2023
56	Sorokhaibam Biren Singh	A Mechanised Loom	Manipur	794/KOL/2011	06/06/2011	467795	09/11/2023

Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
57	Mansa Ram and Suthar Malaram	A Harrow Seed Drill	Rajasthan	201711006639	24/02/2017	472656	24/11/2023
58	Mohd Rafiq Ahanger	A Multipurpose Tool	Jammu and Kashmir	201611008102	08/03/2016	473163	24/11/2023
59	Muskan Javalkar	Air Cooler Which Gives Air In All The Directions	Madhya Pradesh	201621037786	04/11/2016	474266	29/11/2023
60	Rabindra Behera	Food Grain Puffing And Popping Machine	Odisha	201731035897	10/10/2017	475278	30/11/2023
61	Jenish Shah	System And Method For Call Intimation	Gujarat	3601/MUM/2014	14/11/2014	472925	24/11/2023
62	Pranjal Srivastava	A Thermoelectric Stove Generator	Uttar Pradesh	201911027763	11/07/2019	475855	30/11/2023
63	Khushi R. Patel	An Attachment To Collect Debris In A Drilling Machine	Gujarat	201721045488	18/12/2017	472533	23/11/2023
64	Dev Desai, Pranav S. & Sayan Chaudhary	Button And Hook Tacking Device And Method Thereof	Maharashtra, Kerala, Delhi	201721045588	19/12/2017	476818	05/12/2023
65	Subhash Ola	Improved Boiler For Making Milk Cake/ Mawa / A Boiler Based Machine To Convert Liquid In The Form Of Semi-Solid	Rajasthan	587/DEL/2015	02/03/2015	475691	30/11/2023
66	A Lakshmana Rao, A James & Hridyesh	A Mosquito Net With Mild Electric Shock	Andhra Pradesh, Andhra Pradesh, Jharkhand	201741045891	20/12/2017	478537	07/12/2023
67	Suren Baruah	Machine For Processing Tea	Assam	201931009835	13/03/2019	479805	11/12/2023
68	Madan Lal Kumawat	Tractor With Modified Fixture/Frame Of Dozer	Rajasthan	201711006394	23/02/2017	480602	12/12/2023
69	Sameer Gautam Ramteke & Vidhi Rajesh Yelshettiwar	Combined Wood Cutting And Finishing Machine	Maharashtra	201721045789	20/12/2017	479315	08/12/2023

Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
70	Jadhav Ghanshyam Bhikaji	A Tractor-Operated Multi-Sprint Cultivator	Maharashtra	201821031917	27/08/2018	474341	29/11/2023
71	Digantika Bose	A Hand Drill With Attachment To Collect Dust And Check Alignment	West Bengal	201731045696	19/12/2017	477246	05/12/2023
72	Sumit Biswas	Alert System For Protecting Turtle'S Egg At Sea Beaches	Andaman & Nicobar	201631037469	02/11/2016	478808	07/12/2023
73	Kadivendi Mahipalchary	Improved Power Weeder	Telangana	900/CHE/2015	25/02/2015	477016	05/12/2023
74	Manoj Kumar	A New Helmet With Sensoring System	Delhi	2578/DEL/2013	02/09/2013	470223	17/11/2023
75	Ghulam Mohammad Mir	Rechargeable Multipurpose Device	Jammu and Kashmir	3467/DEL/2011	02/12/2011	479943	11/12/2023
76	Pragnya Paramita Nayak	Smart Reading Table And Its Method Of Operation	Odisha	201931027813	11/07/2019	481352	12/12/2023
77	Antareep Roy and Sushil Sahu	A Single Multipurpose Geometric Instrument	Tripura and Odisha	201831042653	13/11/2018	480199	11/12/2023
78	Adi Kumar	An Improved Support Device For Fractured Or Dislocated Hand	Karnataka	6173/CHE/2015	17/11/2015	481412	13/12/2023
79	Mansa Ram And Malaram Suthar	A Crop Harvesting Agricultural Equipment	Rajasthan	201711006390	23/02/2017	482810	14/12/2023
80	Prafulla Kumar Meher	Combined Automatic Spinning And Winding Machine	Odisha	201931009868	14/03/2019	481923	13/12/2023
81	Adyasha Das & Sagar Kumar	Device To Detect Leakage Or Wastage Of Water And Stop Water Flow Automatically	Odisha & Bihar	201631037462	02/11/2016	485928	20/12/2023
82	Nabajit Bharali	Silk Spinning Cum Reeling Machine And Method Thereof	Assam	201731006396	23/02/2017	487662	22/12/2023
83	Sumit Murari	Bamboo Basket Weaving Machine	Jharkhand	201831042601	13/11/2018	488105	22/12/2023

Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
84	Nidhi Gupta	A Phone Line Sensing Mechanism	Gujarat	3410/MUM/2013	29/10/2013	485896	20/12/2023
85	Navkumar Awasti	Stethoscope For Hearing Mechanism	Uttar Pradesh	201711006392	23/02/2017	488878	26/12/2023
86	Dayaram Chauhan	Peeling Device And Method Thereof	Odisha	201931009858	13/03/2019	489624	27/12/2023
87	Shaik Muzammil Pasha	Orthopedic Shoe Appliance	Telangana	6179/CHE/2014	08/12/2014	489323	26/12/2023
88	Bajya Shrawan Kumar	A Vehicle Operated Salt Farming Mechanism	Rajasthan	201711006640	24/02/2017	490485	28/12/2023
89	Rinku S Rajpal	A Feedback Mechanism For Mood Based Inherent Voice Sensingmechanism	Gujarat	3547/MUM/2014	11/11/2014	492664	01/01/2024
90	Subhra Suchismita Patel	Seed Planter Retrofitted In Shoes	Odisha	201631037464	02/11/2016	492474	01/01/2024
91	Sethi Tanmay Kumar	A Multi-Functional Waste Bin	Odisha	201931048407	26/11/2019	494722	04/01/2024
92	Krishna Chandra Naik	Multi Grain Cleaning Apparatus And Method Thereof	Odisha	201931017661	03/05/2019	495772	08/01/2024
93	Neeraj Kumar	Automatic Water Tank	Uttarakhand	201911027792	11/07/2019	496027	08/01/2024
94	Subhash Vasantrao Jagtap	Sandal Paste Making Machine And Method Thereof	Maharashtra	201721019119	31/05/2017	496061	08/01/2024
95	Meren Imna	A Veterinary Surgical Table	Nagaland	201831050094	31/12/2018	497336	10/01/2024
96	Indrajit Singh	A Decorticator And Method Thereof	Odisha	201831042565	13/11/2018	498062	11/01/2024
97	Sneha Chakraborty	A Multi-Tool Agricultural Implement	Tripura	201831042453	12/11/2018	498355	12/01/2024

Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
98	Ravindra Chopade	Embossing Plotting Machine	Maharashtra	325/MUM/2014	30/01/2014	497306	10/01/2024
99	Bharat Bhima	A Leaf Plucking And Collecting Tool	Chhattisgarh	4346/MUM/2015	18/11/2015	498334	12/01/2024
100	Kiran Kumari	Alarming System For Bridges And Method Thereof	Jharkhand	201931027797	11/07/2019	498590	12/01/2024
101	Dipankar Das	Solar Powered Threshing Machine	Andaman & Nicobar	1144/KOL/2015	12/11/2015	498500	12/01/2024
102	Shibajyoti Choudhury and Rajashree Choudhury	Height Adjustable Cooking System For Gas Stoves	Madhya Pradesh	201721014630	25/04/2017	500824	18/01/2024
103	Zufa Iqbal	Felted Rugs Namda Making Machine	Jammu and Kashmir	201611037443	02/11/2016	500732	18/01/2024
104	Jeetender Mallik	Mobile Device And Process For Preparing Windrowed Materials Into Edible Fungus Compost	Haryana	60/DEL/2015	07/01/2015	498394	07/01/2024
105	Santokh Singh and Khushwant Rai	Improved Braille Printer	Punjab	3331/DEL/2013	12/11/2013	499625	16/01/2024
106	Rajendra Chhabulal Jadhav	Spraying Device	Maharashtra	201621010942	30/03/2016	501396	19/01/2024
107	Gurmel Singh Dhonsi	A COMPOSTING APPARATUS	Rajasthan	202011033450	05/08/2020	500710	18/01/2024
108	Durga Devi	Walking Assistance Crutch	Uttar Pradesh	201911009839	13/03/2019	502023	23/01/2024
109	Rabindra Behera	Seedling Transplanting Machine and method thereof	Odisha	201731035898	10/10/2017	502922	24/01/2024
110	Gurmeet Singh	A Spraying Attachment For Mounting On A Vehicle	Rajasthan	201911009767	13/03/2019	503013	24/01/2024
111	Maibam Deben Singh	A Hybrid Cooking Stove With An Integrated Drying And Heating System	Manipur	201731006071	21/02/2017	503899	29/01/2024



Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
112	Nripen Kalita	Reeling And Processing Cum Spinning Machine	Assam	201731036110	11/10/2017	504515	29/01/2024
113	Aditi Bagri	Gadget For Restless Leg Syndrome And A Method Of Operation Thereof	Chandigarh	201711045611	19/12/2017	504073	29/01/2024
114	Manubha Vaduji Jadeja	Reciprocating Fluid Lifting Pump And Process Thereof	Gujarat	201821031562	23/08/2018	505345	31/01/2024
115	Raghubir Singh	A Portable Cooker Cum Stove For Cooking	Uttarakhand	201611007664	04/03/2016	495911	08/01/2024
116	Aparna Chandrasekar	Watch Spray For Bullies	Tamil Nadu	201741045457	18/12/2017	496421	09/01/2024
117	Pukhrambam Dayananda Singh	A Stick For The Blind	Manipur	201931027781	11/07/2019	507452	06/02/2024
118	Hema Pradhan	An Improved Stretcher	Sikkim	201831042600	13/11/2018	507322	06/02/2024
119	Patel Parth Kumar, Chauhan Aditya, Rohitbhai Manavadiya and Jaydip Bharat Bhai Raval	A Pesticide Spray Pump With Mandatory Proactive Mask	Gujarat	201821042498	12/11/2018	507248	05/02/2024
120	Shafiq Ahmad Ahanger	Mobile Repairing System	Jammu and Kashmir	201611022233	29/07/2016	507204	05/02/2024
121	Subhra Suchismita Patel & Maidari Devi	Smart Rag Picker And Method Thereof	Odisha & Andhra Pradesh	201731045592	19/12/2017	508130	07/02/2024
122	Iqrar Rashid Dar	Speed Breakers Detector System In Vehicles And Method Thereof	Jammu and Kashmir	201711045612	19/12/2017	507510	06/02/2024
123	Kanak Das	A Multipurpose Paddy Transplanter Cum Ploughing Cum Threshing Machine	Assam	201731005177	14/02/2017	510220	13/02/2024
124	Shibajyoti Choudhury and Rajashree Choudhury	A Pre-Installed Bottle Puncturing Mechanism, And Bottle Thereof	Madhya Pradesh	3411/MUM/2013	29/10/2013	510120	13/02/2024

Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
125	Tanmay Takale	A Hole-Punching Mechanism Configured To Applying Reinforcement Stickers And Punching Holes In A Single Clicking Action	Maharashtra	4344/MUM/2015	18/11/2015	512083	19/02/2024
126	Reshma Khanam	A Portable Device To Locate People Suffering From Dementia/ Alzheimer'S Syndrome If They Get Lost	Assam	201731045516	19/12/2017	510905	15/02/2024
127	Gulshan Kumar	A Device For Adjusting Optimum Ambient Light For Reading & Other Purposes	Uttar Pradesh	201611037442	02/11/2016	512769	20/02/2024
128	Dayaram Chauhan	Decorticator Machine	Odisha	201731036109	11/10/2017	513002	20/02/2024
129	M Tenith Adithya	Multi-Plug Extension Device	Tamil Nadu	4968/CHE/2013	04/11/2013	511475	16/02/2024
130	Suren Baruah	An Apparatus For Steaming Tea Leaves And Operation Method Thereof	Assam	201931009869	14/03/2019	513329	21/02/2024
131	Ankit Singh	A Portable Device To Help Differently Abled Particularly Blindpeople Board Bus And Travel	Karnataka	201741045701	19/12/2017	506101	01/02/2024
132	C S Rishikesh	A Wireless Device For Sensing Electrical Energy	Kerala	139/CHE/2015	08/01/2015	513453	21/02/2024
133	Mohan Muktaji Lamb	System For Collecting Garbage	Maharashtra	201821044140	23/11/2018	514269	22/02/2024
134	Manoj Kumar	Robotic Helmet	Delhi	2669/DEL/2013	09/09/2013	481945	13/12/2023
135	K.B.S Suresh and Rajat Gautam	System For Disinfecting And Drying Clothes	Rajasthan	5716/CHE/2014	13/11/2014	510284	13/02/2024
136	Aravind Gopalakrishnan	Process For Reclaiming Printed Paper	Tamil Nadu	6266/CHE/2015	20/11/2015	507754	06/02/2024

Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
137	Surendra Singh Suda	Automated Irrigation System For Furrow Irrigation.	Rajasthan	201711006053	21/02/2017	493251	02/01/2024
138	Dayaram Chauhan	Seed Separating Apparatus And Method Thereof	Odisha	201931009774	13/03/2019	515182	26/02/2024
139	Nandeshwar Sharma	An Water Irrigation Pump	Bihar	933/KOL/2011	12/07/2011	515591	27/02/2024
140	Gangadiya Rekha Bhopabhai	Alarming And Intimation System For Live Line Electricity Malfunction	Gujarat	201621008117	09/03/2016	517531	29/02/2024
141	Mr Govind Sharma, Mr Vinay Kumar Yadav, Ms Sanjana P (Applicant: National Innovation Foundation - India)	An Advanced Assistive Robotic System	Gujarat	201721046517	25/12/2017	517145	29/02/2024
142	Sebati Kutruka	Sweet Potato Digger	Odisha	201631037449	02/11/2016	519414	04/03/2024
143	R. Pavithra and R.Elakkiya	An Improved Power Weaving Loom	Tamil Nadu	6174/CHE/2015	17/11/2015	519044	04/03/2024
144	Sikanto Mandal	Mobile Garbage Collecting Device	Uttar Pradesh	201711006054	21/02/2017	520049	05/03/2024
145	Dayaram Chouhan	Threshing machine for threshing of millets	Odisha	202131012247	22/03/2021	520170	05/03/2024
146	Chhaya Sambhoji Thakor	A Water Dispensing Assembly Catering To Persons Of Varying Heights	Gujarat	3550/MUM/2014	11/11/2014	521605	07/03/2024
147	Mohan Sharma	Grain Sorter	West Bengal	201631008026	08/03/2016	517626	29/02/2024
148	Anushri N	An Eco-Friendly Agricultural Tool	Karnataka	201941027771	11/07/2019	517608	29/02/2024

Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
149	Pradip Rameshbhai Chauhan, Nensi Aravinbhai Sachpara, Ketanbhai Chamanbhai Baraiya, Neel Chandubhai Ramoliya, Dipak Rajubhai Marsuniya, PareshKumar Chhanabhai Trentiya, Nilesh Hemani, Lensy Harshadkumar Patel, Kuldeep Chandubhai Dantani, Rohan Dharmendrabhai Bhagora	Cotton Ginning And Fluffing Assembly	Gujarat	201721045589	19/12/2017	522121	08/03/2024
150	Malik Towseef Ali	Multipurpose Room Heating Appliance	Jammu and Kashmir	201711035536	06/10/2017	522714	09/03/2024
151	Maowang Wangham	A Life Jacket With Provision To Supply Oxygen In Emergency	Arunachal Pradesh	201831042411	12/11/2018	523039	11/03/2024
152	Vasa Sekhar Babu	A Multipurpose Agricultural Equipment	Andhra Pradesh	201941027903	11/07/2019	523391	11/03/2024
153	Asim Sikandar Mir	An Anti-Spill Container	Jammu and Kashmir	201911048385	26/11/2019	515748	27/02/2024
154	Yash Pramod Jadhav	A Crop Harvester	Maharashtra	201921048375	26/11/2019	513026	21/02/2024
155	Baibhav Parida	Visually Challenged Friendly Toilets	Odisha	201931048600	27/11/2019	524055	12/03/2024
156	Lahar Jyoti Das	An Assembling, Mixing And Delivery Device For Small Edibles	Assam	201631037461	02/11/2016	521891	07/03/2024
157	Ayush Ranjan	System And Method For Secure Online Garbage Bill Payment	Sikkim	201931027873	11/07/2019	519965	05/03/2024
158	Sheeren Sheikh	Lunch Box With Reminder System	Delhi	201611037444	02/11/2016	525416	14/03/2024



Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
159	Rajendra Chhabulal Jadhav	Spraying Device	Maharashtra	202023022113	27/05/2020	527422	15/03/2024
160	Harihara Behera	Dual-Purpose Agricultural Track-Type Vehicle	Odisha	201931030986	31/07/2019	526711	14/03/2024
161	Madhav Ajay Lavakare	Assistive Spectacles For The Deaf With Voice To Text Conversion And Display Feature	Delhi	201811042507	12/11/2018	526368	14/03/2024
162	Arijita B Patra	Mishap Monitoring System In Vehicles	Odisha	201631037448	02/11/2016	524590	13/03/2024
163	Vinayak Rana	Intelligent Garbage Bin	Himachal Pradesh	201911027876	11/07/2019	528679	18/03/2024
164	Akanksha Guha	Height Adjustable Wash Basin Assembly	Uttarakhand	1184/KOL/2014	17/11/2014	529299	20/03/2024
165	Shubh Dholakiya	Device For Assisting Pedalling Mechanisms	Gujarat	3555/MUM/2014	11/11/2014	523386	11/03/2024
166	Maharaj Singh Lodhi	Modified Mouldboard Plough	Madhya Pradesh	201821031607	23/08/2018	530082	25/03/2024
167	Hrishit Shah	Portable Wi-Fi Device	Gujarat	3556/MUM/2014	11/11/2014	527797	15/03/2024
168	Pawar Ashaben Sitarambhai	A Mechanized Sewage Cleaning Apparatus	Gujarat	201921027892	11/07/2019	510036	13/02/2024
169	Raktim Das	A Mechanized Tool For Sketching And Shading Of Drawings	Assam	201931048666	27/11/2019	522388	08/03/2024
170	Govind K Sharma	An Automated Blanket Covering Mechanism For A Bed	Gujarat	201621037585	03/11/2016	530773	28/03/2024
171	Khas Indrajit Balvirsingh	Rhizomes Sowing Machine	Maharashtra	733/MUM/2014	04/03/2014	530862	28/03/2024
172	Kumari Vandana	Device For Harvesting Fruits	Uttar Pradesh	201911027981	12/07/2019	527410	15/03/2024

Sl No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Patent No.	Date of Grant
173	Chopade Ravindra Ganpat	A Hot Stamping Machine	Maharashtra	201821029193	02-08-2018	525508	14/03/2024
174	Chamiyal Ritik Applicant: Singh Kishan	A Multi-Purpose Flour Milling Apparatus	Uttarakhand	201911027897	11/07/2019	523561	12/03/2024
175	Devra Shailendra Singh Applicant: Devra Laxman Singh	A Floor Cleaning Apparatus With Automatic Liquid Dispenser	Rajasthan	201911027898	11/07/2019	525638	14/03/2024
176	Mamta Kumari	Novel Garment For Anti-molestation	Bihar	1034/KOL/2013	09/04/2013	514992	26/02/2024

**Table 2 – Patents filed for Engineering innovations**

Sr. No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Current Status
1	Pooja D/O Puttila (Mr.)	A Wheat Husk And Dust Filtering Machine	Uttar Pradesh	202411026812	31/03/2024	RFE filed
2	Kath Swastika S/O Anish (Mr.)	An Auto-Sterilizer For Touch-Based Biometric Attendance Systems	Himachal Pradesh	202411025819	29/03/2024	RFE filed
3	K Lavanya D/O K Vallabha Rao (Mr.)	Multipurpose Harvesting Pole	Andaman and Nicobar	202431025888	29/03/2024	RFE filed
4	Supriya Mishra D/O Sudha Mishra (Ms.)	Smart Umbrella With Air Pressure Balancing System And Multifunctional Handle	Madhya Pradesh	202421025861	29/03/2024	RFE filed
5	Sakthi Shree G R D/O Nagarani R (Ms.)	An Alerting Device	Tamil Nadu	202441025767	29/03/2024	PS Filed
6	Yoshika Dinesh Gulabani D/O Dinesh Ramesh Gulabani (Mr.)	Wrist Wearable Assistive Device For Holding Cutlery	Maharashtra	202421025528	28/03/2024	RFE filed
7	Riya Mahesh Mahangade D/O Mahesh Mahangade (Mr.)	Saree Folding Machine	Maharashtra	202421024995	28/03/2024	PS Filed
8	Tarun Kothari S/O Harish Chandra Kothari (Mr.)	Sliding Grass Cutting Tool	Uttarakhand	202411025283	28/03/2024	RFE filed

Sr. No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Current Status
9	Anmol Upadhyay S/O Nirmala (Ms.)	A Car Door Opening Signal System	Delhi	202411025284	28/03/2024	RFE filed
10	Aurav Rajput S/O Reena Rani (Ms.)	An Automatic Waste Filtering Device From The Drainage Water	Jammu And Kashmir	202411025266	28/03/2024	PS Filed
11	Shubh Saxena S/O Anupama Pandit Saxena (Ms.)	A Portable Cradle For An Infant	Madhya Pradesh	202421025341	28/03/2024	PS Filed
22	Addhamki Govardhana Nayudu S/O Addhamki Madhavi (Ms.)	Bicycle-Driven Ambulance System	Andhra Pradesh	202441024250	26/03/2024	RFE filed
23	Omkar S/O Raveendra Mestha (Mr.)	A Urine Tub System	Karnataka	202441024260	26/03/2024	PS Filed
24	Arshdeep Kaur D/O Kamaljeet Singh (Mr.)	A Container For Grain Storage And Protection	Uttarakhand	202411024266	26/03/2024	PS Filed
25	Bara Aadil Rashid S/O Bara Ab Rashid (Mr.)	A Holding Apparatus For Specially-Abled Persons To Enable Writing	Jammu And Kashmir	202411024100	26/03/2024	RFE filed
26	Tupili Sisira Reddy D/O Tupili Vijaya Kumar Reddy (Mr.)	A Portable Brush Cleaning And Drying System	Karnataka	202441024262	26/03/2024	RFE filed
27	Moorthy Chetan S/O Moorthy Jyothiswara (Mr.)	A Sprayer For Regulated Use	Andhra Pradesh	202441024263	26/03/2024	PS Filed
28	Katike Pooja D/O Katike Sivalalu (Mr.)	Vegetable Cutting Machine And Method Thereof	Telangana	202441023906	26/03/2024	RFE filed
29	Rabiya Basri Farooqui D/O Abdul Sayeed Farooqui (Mr.)	A Drowsy Driving Prevention System And Method Thereof	Karnataka	202441024261	26/03/2024	RFE filed
30	Gill Ekamjot Singh S/O Gill Gurpreet Singh (Mr.)	Smart Luggage	Delhi	202411023912	26/03/2024	RFE filed
31	Mannat Bhargava D/O Dolly Bhargava (Ms.)	Safety-Enabled Hair Clip With Communication And Location Tracking Capabilities	Chandigarh	202411023955	26/03/2024	RFE filed
32	Ishita Kumari D/O Devangan Radhe Prasad (Mr.)	Holding Supporter Sheat In Bike For Old Or Sick Person	Chhattisgarh	202421020348	19/03/2024	RFE filed

Sr. No.	Innovator's Name	Innovation Title	State From	Application Number	Priority Date	Current Status
33	Aanchal Aggarwal D/O Rajeev Aggarwal (Mr.)	A Walking Aid For Persons Afflicted With Parkinson's Disease	Delhi	202411019859	18/03/2024	RFE filed
34	Mr. Aryan Prasad	Weed Uprooting Cum Cabbage Harvesting Tool	Uttar Pradesh	202411004842	24/01/2024	RFE filed
35	Ms. Ranjita Kamila	A Leaf And Root Cutting Machine And Method Thereof	Odisha	202331079166	21/11/2023	RFE filed
36	Shyju P V	A Chilli Peduncle Remover Cum Drying Machine	Kerala	202341042354	24/06/2023	RFE filed
37	Leyangreep Lepcha	Self-Cleaning Of Overhead Water Tank	Sikkim	202331034555	17/05/2023	RFE filed
38	Vipparthi Sri Sai Durga Prasad	Machine For Mason	Andhra Pradesh	202341034491	17/05/2023	RFE filed
39	Elambirai M	Accident Prevention For The Elevator	Tamil Nadu	202341034297	16/05/2023	RFE filed
40	Mustyala Pooja Sri	Axle Camera For School Buses	Telangana	202341033165	11/05/2023	RFE filed
41	Sailu Sai Shrivalli	A Simple Menstruation Device	Telangana	202341033333	11/05/2023	RFE filed
42	Ramdinmawia	Machine For Making Forks From Bamboo Manually	Mizoram	202331026299	08/04/2023	RFE filed
43	Sharwan Kumar Bajya	A Machine For Drilling Onion Seeds In Soil	Rajasthan	202311026156	07/04/2023	RFE filed
44	Lalpiangliana Sailo	A Chilli Processing Machine	MIZORAM	202331026042	06/04/2023	RFE filed





VARD Agriculture - Field Verification of plant variety in Tehri

A Research Advisory Committee (Agriculture) meeting was conducted on June 23, 2023 at the Indian National Science Academy, New Delhi where a total of 12 projects (5 new project proposals, 4 ongoing projects for progress review, and 3 completed projects for closer) were reviewed by the committee. Other activities undertaken during the year are as below.

### Institutional Validation Trials Completed - Plant Varieties:

The performance evaluation and suitability test of five improved cauliflower varieties were conducted in both the Northern (Banaras Hindu University, Varanasi) and Southern (University of Horticultural Sciences, Bagalkot) regions. The *Sanjeev Selection* variety recorded the highest yield and cost-benefit ratio at UHS, while both *Sanjeev Selection* and *Vaishali* performed better than local and state checks at BHU, Varanasi. The variety *Sonali 45* was early maturing at both locations, while *Vaishali*, *Ajitarah Selection*, and *Sanjeev Selection* were early to mid-early maturing varieties. *Tha Animkhakhai Chabi* belonged to the mid-early maturity group at UHS and late-maturing group at BHU, Varanasi.

Field trials on the *Fusarium*-resistant *Ixora* flower variety were carried out at five different locations by Tamil Nadu Agricultural University,

Coimbatore. The lowest infection of *Fusarium solani* was recorded in white and grafted *Ixora* (white as rootstock) and showed moderate resistance against *Fusarium solani* compared to red, yellow, and orange *Ixora*.

The performance of two farmers' *Moringa* varieties (*Robit 1* and *Vishala*) was evaluated at Horticulture College and Research Institute, Tamil Nadu Agricultural University, Coimbatore. They reported the highest 21 pickings in both the varieties where they recorded the highest straight green pods in *Vishala* (106 fruits/plant) and *Robit 1* (195 fruits/plant). In biochemical profiling of pods, *Robit 1* recorded the highest chlorophyll a, b & total chlorophyll, Phytol, Tryptophan, Nicotinamide, Chlorogenic acid, Niazimin content along with a good amount of Vitamin C, Quercetin, Kaemferol, B-Sitosterol, IAA, Gallic acid; whereas *Vishala* reported higher phosphorus content in the leaf.

The performance evaluation trials of two rice varieties were conducted at Acharya NG Ranga Agricultural University, Guntur. *Hemant* and *Chinni Krishna* varieties have medium slender grain types and significantly lower days for 50% flowering; variety *Chinni Krishna* recorded the highest plant height and spikelet fertility. In the evaluation trials of the black glutinous



rice variety - *Upendra* rice carried out at Assam Agricultural University, Jorhat. It was found to be highly aromatic, rich in nutrient and was also found suitable for value-added Assamese product making like puffed rice and snacks.

A performance and suitability evaluation study was completed in collaboration with Regional Research Stations for Onion under the National Horticultural Research and Development Foundation, New Delhi, at three locations, viz. Nasik (Maharashtra), Karnal (Haryana), and Boudh (Odisha). The onion varieties *Kansi No.1* at Nasik, *Rashidpura Pyaz* at Karnal, and *Sandip Pyaz* along with *Rashidpura Pyaz* at Boudh, performed superior with maximum bulb yield and good storage life. *Riyawan Silver* - a garlic variety, was tested at Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior, where it reported superior performance with significantly higher bulb yield (103.24 q/ha), average bulb weight (23.07 g), bulb diameter: polar (32.71 mm), equatorial (38.84 mm) and lengthy cloves (25.21 mm) compared to the check varieties. It possesses higher 9.47 leaves/plant and 19.93 cloves/ bulb with white skin colour and took 131 days to maturity.

A comparative performance evaluation for *MM 20* - a betel vine variety, was carried out with four check varieties at ICAR-Central Plantation Crops Research Institute, Jalpaiguri. The *MM 20* variety, in the early stage of plant growth, recorded a maximum diameter at base level (0.48 cm) and internodal length (6.74 cm). It also recorded higher vine length (96.29 cm) than the *Katki* and *Bidhan pan* and was at par with the *Samurali* Local check variety with statistically at par to all the checks in leaf length (13.67 cm) and leaf width (10.07 cm). Performance evaluation of farmer's bottle gourd variety-*Vandana* was completed at two locations under Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior, Madhya Pradesh. The variety reported significantly higher marketable fruit yield (1752.27 t/ha and 87.30 t/ha) as compared to *Pusa Navin* and *Pusa Samridhhi* check varieties.

The performance evaluation cum on-farm trials of eleven plant varieties were conducted at Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu. A total of six plant varieties,

i.e. mustard (*Sitara Sringar*), onion (*Balwan Pyaz* and *Rashidpura Selection*), pearl millet (*Sulkhaniya Bajra*), and sorghum (*Sorghum AA*) were found to be outperformers and suitable for cultivation in the Jammu region. Under the project, seven awareness-cum-training programs on the cultivation of these farmers' plant varieties were also organized, and seven new varieties were scouted from the area.

#### Biochemical profiling of grape variety *Sudhakar*



Observations from OFTs of *Sitara*- Srinagar variety in Maher Majara village, Haryana

*Seedless* was completed through ICAR-National Research Station for Grapes, Pune, Maharashtra, where the variety reported a good amount of Total Soluble Solids (17.6 °Brix), Titratable acidity (0.58 %), pH (3.22), Total Phenolic Content (0.91 mg/g), Anthocyanin (1.77 mg/L), Tannin (0.99 mg/g). On-site evaluation cum field verification of *Velankar-365: Sonchampa (Magnolia champaca)* variety was completed through the ICAR – Directorate of Floricultural Research, Pune, Maharashtra. The claimed characteristics of blooming throughout the year, higher yield (avg. 2500 flowers/tree/year), attractive golden–yellow colour, good fragrance, and higher market value of flowers were found true and recommended for further detailed validation through field experiments.

#### Institutional Validation Trials Completed - Plant Protection:

Four herbal leads were validated at Dr YS Parmar

University of Horticulture & Forestry, Solan, against Scab disease in apple at two different locations. Two leads were found to be effective in managing the leaf scab at location 1 (48.1% - 56.8% disease control) and location 2 (40.1% - 50.5 % disease control), while two leads were effective in managing fruit scab providing 45.3% - 49.3 % disease control at double doses tested with at par yields with chemical control.

#### Validation of three synergistic herbal leads



OFT's of G-Vilas Pasand Guava variety, Madurai, TN

against pests of Brinjal was completed at Punjab Agricultural University, Ludhiana. All three synergistic formulations were very effective in the management of major sucking pests- Whitefly and Jassids of Brinjal, with a superior increase in yield and no phytotoxic effects on the crop.

The first-year *in vitro* trials against the scab disease pathogen *Venturia inaequalis* and *in vivo* validation against scab disease in apple at three locations – Srinagar, Baramulla, and Anantnag – were completed by SKUAST-Kashmir. Two leads were found to be very effective in causing mycelial growth inhibition (57.8% - 62.9%) and one lead resulted in 58.90  $\mu\text{m}$  of growth inhibition zone of *Venturia inaequalis*, which was at par with chemical control – Flusilazole 40EC (58.87  $\mu\text{m}$ ) and superior to chemical control - Mancozeb 75WP (53.72  $\mu\text{m}$ ). In the field trials, two leads were very effective in managing the leaf and fruit scab at all three locations, having at par results with chemical controls.

One herbal lead was validated at Kerala Agricultural University, Thrissur, against Coconut red palm weevil- *Rhyncophorus ferrugineus*, where the technology was found to be effective at double dose, providing 50% survival of infected coconut palms, which was at par with the commercial neem treatment.

#### Multi-location Trials under ICAR-All India Coordinated Research Project (AICRP):

Advance Varietal Trials (AVT) 1 were initiated at ICAR-Indian Institute of Vegetable Research (IIVR) - Varanasi, Uttar Pradesh for the selected five vegetable crop varieties, i.e. brinjal (*Niranjana Bhata: Long, HZKB-1: round*), cauliflower (*Sonali 45, Sanjeev selection*); dolichos bean (*Maniyari*).

#### Institutional Validation Trials Ongoing and Initiated:

Two projects are ongoing in collaboration with KVK, Mandi, Himachal Pradesh, for the evaluation & popularization of improved farmers' varieties of paddy (*Sindura Madhu Sale, Kudrat 1, Kudrat 2*), wheat (*Kudrat 9, 11, 7*), cauliflower (*Ajitgarh Selection*), and diffusion of Multipurpose Processing Machine for capacity building and skill upgradation of Women Self Help Group (SHGs) in Mandi. Two projects for the validation of four plant varieties (*DR 10 – chilli; Thar Madhu, Thar Gulabi, and Safed Shakarkand - sweet potato*) and one project for two plant varieties validation (*Maya Sem-hyacinth bea and Vandna Gilki 2-sponge gourd*) were initiated at Agriculture University, Jodhpur, and Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur, respectively.

Claim validation trials of farmers' vegetable varieties of cauliflower (*Agaat Kritika; Ankit; Katka 112*), brinjal (*RK 2001*) and pea (*Asni Matar*) was initiated at Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar. Three projects are ongoing for the validation of ten herbal technologies at SKUAST-Jammu, CSKHPKV, Palampur, and SKUAST-Kashmir against pest control in brinjal, cauliflower, and scab disease control in apple, respectively.

#### On-farm Trials:

The farmers' participatory on-farm trials of cauliflower varieties completed at 35 locations





Agriculture - Hands on Training at Longkhum Village farm

reported high curd weight in *Sonali 45* at Dakhin Dinajpur (West Bengal), Himmatnagar (Gujarat), and Dharashiv (Maharashtra). The variety *Sanjeev Selection* performed better at Himatnagar (Gujarat) followed by Dharashiv (Maharashtra) and Uttarkashi (Uttarakhand).

Farmers' Participatory On-Farm Trials on *G-Vilas Pasand* guava variety at 321 locations covering 10 states, i.e. Arunachal Pradesh, Uttarakhand, Assam, Gujarat, Jammu & Kashmir, Maharashtra, Odisha, Rajasthan, Tamil Nadu, and West Bengal, were initiated.

Farmers' participatory on-farm trials on *Sona 40* and *Sandip Pyaz* onion varieties at 162 locations and *Sitara Shringar* mustard variety at 133 locations covering 16 states, i.e. Gujarat, Rajasthan, Himachal Pradesh, Uttar Pradesh, Jammu & Kashmir, Bihar, Jharkhand, Punjab, Uttar Pradesh, West Bengal, Madhya Pradesh, Maharashtra, Tamil Nadu, Odisha, Uttarakhand, and Telangana, were initiated.

### Societal Outreach Programs for Farmers' Training and Capacity Building:

To facilitate the capacity building of farmers and other stakeholders, training workshops were organized for the cultivation method demonstration for *G - Vilas Pasand* guava variety (22 sessions), *Sonali 45* and *Sanjeev Selection* cauliflower varieties (12 sessions), *Sona 40* Onion variety (12 sessions), Multi Tree Climber (43 sessions), and pruning and post-transplantation management of '*HRMN 99*' apple (2 sessions), covering over 1500 beneficiaries in Nagaland, Gujarat, Maharashtra, Tamil Nadu, and West Bengal. The department hosted 28 faculty members of the Odisha University of Agriculture and Technology, Bhubaneswar, along with over 360 agricultural students as part of the educational excursion and innovation exposure visits.

## Other activities:

Field verification and detailed documentation of a total of 23 technologies covering nine plant varieties and fourteen plant protection practices from Bihar, Maharashtra, and Gujarat states were completed. Project monitoring visit for the ongoing project “Dissemination of the Grassroots Innovations for the Upliftment of Farm Women and Self-help Groups (SHGs) of Coimbatore District” in collaboration with Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, was completed. Field monitoring visit conducted at 56 locations for farmers’ participatory on-farm trials on *Sonali 45* and *Sanjeev Selection* cauliflower varieties and *SK 4* - turmeric variety at Dharashiv, and Ratnagiri, Maharashtra.

NIF, along with four innovators participated in the ‘Global Symposium on Farmers’ Rights’ (GSFR) organized by the Department of Agriculture and Farmers Welfare, Government of India during 12 – 15 September 2023. A paper entitled “Value-addition and Incubation of Grassroots Innovations (GRIs)” was presented in the International Conference on Infusing Technology in MSME Sector, organized by Entrepreneurship Development Institute of India (EDII), Ahmedabad during January 09-10, 2024.

## Intellectual Property Management - Agriculture

**Table 3: PPVFRA Granted Registrations for Farmers’ developed improved plant varieties**

S.N	Crop	Name of Variety	Name of farmer	State	Registration No.
1	Rice	<i>Andanur Sanna</i>	Anjaneya A.N.	Karnataka	REG/2021/0036
2	Rice	<i>Sindura Madbusale</i>	Anjaneya A.N.	Karnataka	REG/2021/0037
3	Nutmeg	<i>Kochukudy</i>	Jose Mathew	Kerala	REG/2018/79

**Table 4: PPVFRA New Applications filed for Farmers’ developed improved plant varieties**

S.N	Crop	Name of Variety	Name of farmer	State	Registration No.
1	Carrot	<i>Madhwan Gajar</i>	Vallabhhai Vasrambhai Marvaniya	Gajar Gujarat	REG/2023/0063
2	Bottle Gourd	<i>Vandana</i>	Man Singh Patel	Madhya Pradesh	REG/2023/0111

**Table 5: Patents Granted for herbal formulations for agricultural use**

Sr. No.	Name of the Innovator	Title of Innovation	State	Priority Date	Patent Number	Date of Grant
1	Shri Ashwinbhai Muljibhai Patel; Shri Chellamuthu, K; Smt Alagamma; Shri Venkatasubbu, R.; and Shri Kalidas.	Herbal Compositions for Prevention or Control of Plant Pests	Gujarat, Tamil Nadu, Puducherry	30/01/2013	493587	03/01/2024
2	Akhil Jain F/o Ananya Jain	Method for Enhancing Plant Growth from Insects Excreta	Punjab	13/11/2014	512597	20/02/2024
3	Vijay Prasad	Herbal Compositions For Prevention Or Control Of Plant Pests	Jharkhand	03/04/2013	429911	25/04/2023

**Table 6: New Patents filed for herbal formulations for agricultural use**

S. no	Patent Appl. No.	Name of the Innovator	State	Title of Innovation	Priority Date
1	202311074263	Yan Dutt	Himachal Pradesh	Herbal pesticide compositions for agricultural pests and methods of preparation thereof	31/11/2023
2	202411032423	Deep Chand	Himachal Pradesh	Antifungal herbal compositions for the control of scab disease in crops and a method for the preparation thereof	24/04/2024

**Other IPM related activities:** Four patent applications viz. 245/KOL/2013, 3271/DEL/2014, 1069/KOL/2013 and 202011042650 were defended by attending hearing and post hearing submissions. One First examination report (FER) was received in patent application no – 202011042650 and one FER response was submitted in patent application no 202011015586.

One NBA application (Form –III) in patent application no 268/MUM/2013 was filed.



## Human Health:

### *A. Clinical Trials/Validation – Human Health:*

#### Clinical Trials at National Institute of Ayurveda, Jaipur:

Clinical trials involving patients demonstrated the efficacy of two indigenous formulations in managing osteoarthritis of the knee joints. These formulations were value-added from regions of Jammu & Kashmir [ATTL] and Jharkhand [ATHI]. The institute identified and prioritized two outstanding herbal practices for treating obesity from the Kashmir valley. Supplementation with these herbal medicines was found to decrease body weight, with a higher percent change in patients using the supplements compared to those receiving conventional medicine. Additionally, clinical trials for two indigenous herbal formulations [OST/GF & OST/TP] are being undertaken for patients suffering from osteoporosis.

#### Trial Registration and Progress:

During the period, trial registration at Clinical Trials Registry-India (CTRI) was completed for two indigenous formulations for treating cataract and blood pressure. Patient recruitment was conducted, and clinical trials are in progress with the support of Bharati Vidyapeeth (Deemed to be University), Pune. The herbal formulation for cataract treatment demonstrated the ability to arrest cataract progression among patients. Trials involving 25 patients with hypertension showed that the NIF herbal formulation was effective in controlling mild hypertension.

### *B. Development of Extra Ayurvedic Pharmacopeia: Institute of Teaching and Research in Ayurveda, Jamnagar:*

#### Evaluation of Medicinal Plants:

Trials were conducted with support from the Institute of Teaching and Research in Ayurveda (ITRA), Jamnagar, for evaluating 50 medicinal plants enlisted for the development of an extra

Ayurvedic pharmacopeia. Most of these plants demonstrated 'Tikta Rasa,' which is relevant for their therapeutic properties.

### *C. Validation Activities:*

Two herbal practices from Manipur and Bihar were tested for their impact on hair growth by assessing their effect on Dermal Papilla Cells (DPC). The highest increase in human follicular DPC proliferation was noted at 10 µg/ml for the practice from Manipur and 100 µg/ml for the practice from Bihar. DPCs are specialized components of the hair follicle bulb, and efficacy was evaluated by the nature of proliferation indicated by their mitotic activity. Evaluation of antiepileptic activity for four indigenous medications was initiated at Delhi Pharmaceutical Science and Research University, New Delhi. These practices were documented from Jammu & Kashmir, Bihar, and Tamil Nadu.

## Veterinary:

### *Clinical Trials/Validation – Veterinary:*

Two technologies were tested for their efficacy in treating anestrus condition in cows at Veterinary College & Research Institute, Salem, Tamil Nadu. Both medications showed resumption of the estrus cycle between the 6th and 11th day of treatment, thereby improving fertility in dairy animals. These medications also increased follicular development. Three herbal technologies were tested against ephemeral fever in cattle with support from Veterinary College & Research



and recovery without complications. Two herbal technologies were evaluated for efficacy against endoparasite infestation with support from Nagpur Veterinary College, Nagpur, Maharashtra, and were found effective. These practices were documented from West Bengal and Bihar.

### **Poultry Herbal Supplement:**

A poultry herbal supplement from West Bengal was evaluated for its growth performance and dose standardization at Veterinary College, Hassan, Karnataka. The supplementation demonstrated a positive influence on the growth performance of broiler chicks, with better survivability, improved villi: crypt ratio, enhanced nutrient digestibility, and higher antibody titer against Newcastle disease virus. The study recommended feeding the herbal growth promoter at a rate of 0.8 g/kg diet for better growth performance and enhanced immunity against Newcastle disease virus.

### **Evaluation of Indigenous Medicine for Mastitis:**

NIF, with support from the National Dairy Research Institute, Karnal, Haryana, undertook the evaluation of indigenous medicine for subclinical mastitis in farm fields. Initial results of this open-source technology were encouraging.

### ***Popularization of Indigenous Medication against Tick Infestation:***

#### **Telecast in DD Chandana:**

NIF acaricidal medication was shared as a package of practice in Karnataka by Veterinary College, Hassan. The efficacy of this polyherbal medication was evaluated and found to control tick infestation. The technology was telecasted by Doordarshan-Chandana in April 2023 for wider popularization.

### ***Project Review Meeting:***

#### **Research Projects Review:**

A total of 19 research projects were reviewed during the project review meeting held on February 15, 2024.

#### **IPR- Human Health and Veterinary [41 patent grants]:**

A total of 32 patents were granted in Human Health and 9 patents were granted in Veterinary during the period.

**Table 7: Patents Granted for unique Human Health practices**

SN	Herbal healer's name/ Community	Application Title	State	Application Number	Priority date	Date of Grant/ Status
1	Satyanarayan Rai	Herbal Composition For Therapeutic Management Of Obesity And Process Of Preparation Thereof	Bihar	201831023989	27/06/2018	Patent Number 526091 Granted on 14/03/2024
2	Kalimuthu	A Herbal Formulation For Delaying The Onset, Progression And For Treatment Of Cataract	Tamil Nadu	201841028659	31/07/2018	Patent Number 528651 Granted on 18/03/2024
3	Sanjay Mahato	A Herbal formulation for prevention and treatment of eye disease and method of preparation thereof	Jharkhand	201731045018	14/12/2017	Patent Number 511449 Granted on 16/02/2024
4	Kanhaiya Lal	Herbal formulation for treating urolithiasis and process of preparation thereof	Rajasthan	201711045029	14/12/2017	Patent Number 506707 Granted on 02/02/2024
5	Ramzana Begum	A herbal formulation for treating disease and complications caused by the malarial parasite'	Jammu and Kashmir	201711038207	27/10/2017	Patent Number 501096 Granted on 19/01/2024
6	Mrs. Muthulakshmi	Herbal Pharmaceutical Formulation For Prevention And Treatment Of Cataract	Tamil Nadu	201641015483	04/05/2016	Patent Number 490568 Granted on 28/12/2023
7	Yan Dutt	Herbal Compositions For Management Of Liver Disorders And Methods Thereof	Himachal Pradesh	201811000463	04/01/2018	Patent Number 487505 Granted on 22/12/2023
8	Mahafoozurrahman Deen Mohammad	Herbal Composition For Respiratory Disorders & Process Of Preparation Thereof	Maharashtra	201721045199	15/12/2017	Patent Number 486806 Granted on 21/12/2023
9	Takhta Gayari	Herbal Formulation For Therapeutic Management Of The Diseases Of The Respiratory Tract And Process Of Preparation Thereof	Rajasthan	201711045541	19/12/2017	Patent Number 483924 Granted on 16/12/2023
10	Lakha Nayak	Herbal Formulation For Therapeutic Management Of The Diseases Of The Respiratory Tract And Process Of Preparation Thereof	Rajasthan	201711045539	19/12/2017	Patent Number 480727 Granted on 12/12/2023

11	Jabiben Chatarji Sabosana	A Herbal Formulation For Treating Diseases Of The Mouth And To Maintain Oral Hygiene	Gujarat	201621006540	25/02/2016	Patent Number 480814 Granted on 12/12/2023
12	Irshad Hussain Shah And Abdul Razaq Wani	Topical Herbal Composition For Wound Healing And Methods Thereof	Jammu and Kashmir	201611044536	28/12/2016	Patent Number 479560 Granted on 08/12/2023
13	Surma Devi	Herbal Composition For Management Of Diabetes And Process Of Preparation Thereof	Himachal Pradesh	201611043644	21/12/2016	Patent Number 477522 Granted on 06/12/2023
14	Uranw Bhagirath	Antimalarial Properties Of Extracts Of Eragrostis Tenella, Formulation And Process Thereof	Jharkhand	201631034444	07/10/2016	Patent Number 473630 Granted on 28/11/2023
15	Murmu Sabitri	Anti-Malarial Activity Of Bombax And Its Synergistic Effect And Process Thereof	Chhattisgarh	201621036506	25/10/2016	Patent No. 470686 Granted on 20/11/2023
16	Shakeel Ahmad Ganie	Herbal Composition For Therapeutic Management Of Respiratory Tract Diseases	Jammu and Kashmir	201611022954	04/07/2016	Patent Number 467998 Granted on 10/11/2023
17	Ahmad, Sabzar	Herbal Preparation For Therapeutic And Prophylactic Management Of Neurological Disorders	Jammu and Kashmir	201711000370	04/01/2017	Patent Number 466121 Granted on 06/11/2023
18	Fatima Begum	Herbal Preparation For Therapeutic Management Of Neurological Disorders	Jammu and Kashmir	201611042301	12/12/2016	Patent Number 465473 Granted on 03/11/2023
19	Mr. Ahamed Shabir	Anti-Arthritic Herbal Composition And Method Thereof	Jammu and Kashmir	201611030890	09/09/2016	Patent Number 461136 Granted on 20/10/2023
20	Shri Motibhai Koyabhai Khanr	Herbal medicament for gastric ulcer	Gujarat	201821028658	31/7/2018	Patent Number 459870 Granted on 17/10/2023
21	Shri Tulsirambhai Bhavdubhai Pawar	Herbal Compositions For Management of Liver Disorders And Methods Thereof	Gujarat	201721038295	27/10/2017	Patent Number 456535 Granted on 04/10/2023
22	Jana Begum	Herbal Composition For Treatment of High Blood Glucose Levels In Metabolic Diseases And Process Of Preparing Same	Jammu and Kashmir	201611019760	09/06/2016	Patent no 458216 Granted on 11/10/2023
23	Hakeem Syed Aman Ullah Andrabi	Herbal Formulation For Therapeutic Management Of Obesity And Process Of Preparation Thereof	Jammu and Kashmir	201611039601	21/11/2016	Patent No 454860 Granted on 26/09/2023

24	Sitaram Jangir	Herbal Composition For Treatment Of High Blood Glucose Levels In Metabolic Diseases And Process Of Preparing Same	Rajasthan	201611019759	09/06/2016	Patent Number 455257 Granted on 27/09/2023
25	Dhaneshwar Mahato	Herbal Composition For Therapeutic Management Of Asthma And Process Of Preparation Thereof	Jharkhand	201731013501	17/04/2017	Patent Number 455208 Granted on 27/09/2023
26	Sangat Ram	Anti-inflammatory and anti-arthritis herbal composition and methods of preparation thereof”	Himachal Pradesh	201711038330	28/10/2017	Patent Number 447054 Granted on 24/08/2023
27	Nageena Paswan	A Herbal Formulation For Treating Diseases Of The Mouth And To Maintain Oral Hygiene	Bihar	201631006538	25/02/2016	Patent Number 439627 Granted on 20/07/2023
28	Ram Kailash Singh	Herbal compositions for management of liver disorders and methods thereof	Bihar	201731038289	27/10/2017	Patent Number 434341 Granted on 09/06/2023
29	Ram, Ramnandan,	Herbal Pharmaceutical Formulation For Cataract And Process Of Preparation Thereof	Bihar	201631042903	16/12/2016	Patent Number 432456 Granted on 22/05/2023
30	Pandor, Surajmal Kanaji	Herbal Compositions For Management Of Liver Disorders And Methods Thereof	Rajasthan	201711038284	27/10/2017	Patent Number 427879 Granted on 31/03/2023
31	Khoob Ram	Process for preparing a herbal composition for therapeutic management of respiratory tract diseases	Himachal Pradesh	201611019117	02/06/2016	Patent Number 431476 Granted on 10/05/2023
32	Dropadi Devi	A Herbal Formulation For Treating Disease And Complications Caused By The Malarial Parasite	Jharkhand	201731038204	27/10/2017	Patent Number 516921 Granted on 28/02/24



**Table 8: Patents granted for unique Veterinary practices**

SN	Herbal Healer's Name/Community	Application Title	State	Priority Date	Application Number	Date of Grant/status
1	Bhambhi Mulchandbhai Galbabbhai	Herbal Composition for treatment against retention of placenta	Gujarat	18/01/2017	201721001924	Patent Number 518138 Granted on 01/03/2024
2.	Patel Nathabai Waghajibhai	Herbal Composition and Medicament thereof for curing Anestrus	Gujarat	25/11/2014	3722/ MUM/2014	Patent Number 511696 Granted on 16/02/2024
3.	Santaben (Chhatriben) Prakashbhai Makwana	Medication For Treatment Of Diarrhoea In Animals	Gujarat	31/03/2011	1108/MUM/2011	Patent Number 473873 Granted on 28/11/2023
4.	Debeswar Rabha	A synergistic herbal medication for use in treating bloat in ruminants	Assam	17/11/2016	201631039298	Patent Number 458204 Granted on 11/10/2023
5.	P Vaiyapuri	A synergistic herbal medication for use in treating bloat in ruminants	Tamil Nadu	17/11/2016	201641039301	Patent Number 453452 Granted on 21/09/2023
6.	Usharani Manna and Angur Bera	Herbal compositions for prevention and treatment of stress and as a feed additive in birds	West Bengal	15/01/2014	58/KOL/2014	Patent Number 443650 Granted on 08/08/2023
7.	Tapasi Bera	Herbal Composition and Avian Feed Thereof	West Bengal	10/01/2014	37/KOL/2014	Patent Number 441109 Granted on 28/07/2023
8.	Somabbhai Dhulabbhai Vankar	Herbal formulation for the treatment of bloat	Gujarat	26/11/2014	3737/ MUM/2014	Patent Number 429461 Granted on 20/04/2023
9	Premi Devi	A process for preparing an herbal composition consisting essentially of Cissampelos pareira and Pongamia pinnata	Himachal Pradesh	12/10/2012	3189/DEL/2012	Patent Number 427876 Granted on 31/03/2023

## Business Development, Community Empowerment and Knowledge Management

NIF entered into a technology transfer agreement for two indigenous technologies with Indian Genomix Pvt. Ltd., Hyderabad, on July 6, 2023. The technologies include solutions for mastitis in dairy animals and poultry feed supplements. This collaboration aims to scale environment-friendly technologies for end users. Indian Genomix Pvt. Ltd. is a leading industry player in animal healthcare and veterinary diseases and holds a W.H.O. G.M.P. Certification, ensuring quality assurance for medicinal products.

In the past year, NIF significantly bolstered its business development activities, focusing on forging strategic partnerships and expanding its network within the entrepreneurial ecosystem. An interaction with entrepreneurs of Central and Western India was held at the Western Regional Council meeting on May 19, 2023, at Mumbai. A presentation was made and discussion included on NIF's collaboration with various stakeholders, including industry to create an ecosystem that nurtures innovation and entrepreneurship. The potential avenues for collaboration between NIF and the industries represented in the council, exploring opportunities for technology transfer, mentorship, and knowledge sharing were discussed. NIF also addressed the First Meeting of the CII Western Region Sub-Committee on R&D, Innovation, and Digitalisation on June 22, 2023. The meeting focused on fostering collaborations between industry leaders to bring innovative solutions to the masses through commercial and non-commercial channels.

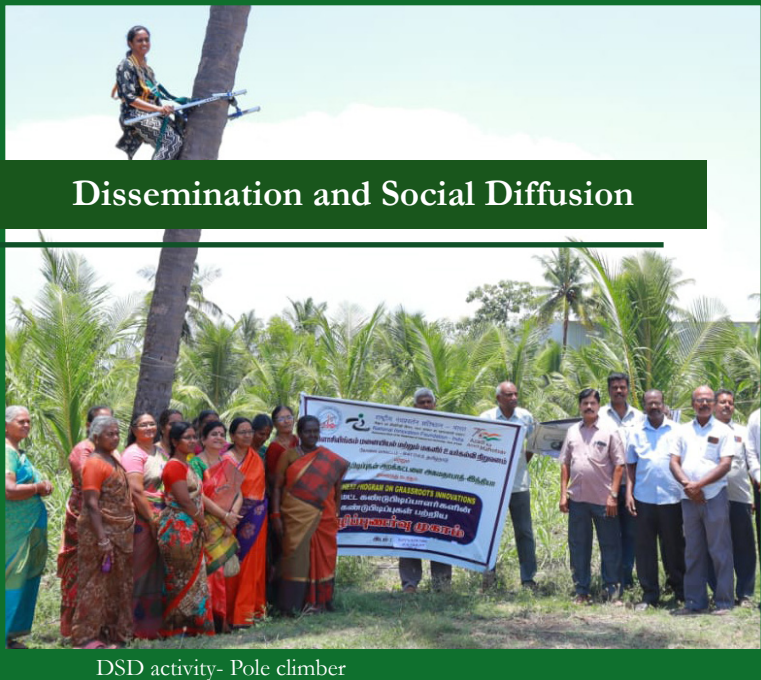
A roundtable titled "Inclusive Development through Entrepreneurial Advancement (IDEA)" was organized by NIF in association with University of Kashmir and NIF Incubation and Entrepreneurship Council - NIFientreC at Srinagar on November 8, 2023, at University of Kashmir with an objective to on-board all stakeholders, primarily enablers for innovation and entrepreneurship eco-system in the valley, and deliberate (a) major challenges (b) learnings from key milestones achieved (c) bespoke issues limited to J&K (UT) and most importantly (d) arrive at



Technology Transfer of two indigenous technologies to combat mastitis in dairy animals and poultry feed supplement with Indian Genomix Pvt. Ltd., Hyderabad

a roadmap so as to improve the prospects for growth and development, through innovation and entrepreneurship. The roundtable was attended by representatives of multiple organizations representing a variety of work areas viz. financial institutions, marketplaces, investor services organizations, technology business incubators, media, entrepreneurs, government organizations (central/state/local) and innovators. Key takeaways from the roundtable included and not limited to focus on more awareness, financial literacy and capacity building, leveraging data driven insights, organizing B-Plan and other youth sensitization activities, arriving at newer equity based financing models, strengthening case study based models for dissemination of information, mapping expertise of stakeholders etc.

The NIF also participated in the annual 'Khasdar Audyogik Mahotsav and Advantage Vidarbha - Vidarbha's Mega Industrial Expo - Business and Investment Conclave' organized at the Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur from January 27-29, 2024. The objective of three-day mahotsav was to discuss and deliberate the problems of entrepreneurs/ businessmen & promote industries and create facilities for new industries. Shri Nitin Gadkari, Union Minister for Road, Transport, and Highways; Shri Devendra Fadnavis, Deputy Chief Minister of Maharashtra; and various Ministers from Government of Maharashtra were amongst the key dignitaries leading the Mahotsav. By virtue of participation, the grassroots innovators supported by NIF had an opportunity to exhibit the inherent merit of their innovations before relevant audience like potential end users, Business community amongst others.



## Dissemination and Social Diffusion

DSD activity- Pole climber

To advance the diffusion of grassroots innovations, NIF undertook various initiatives during the reporting period. Alongside strengthening collaborations with existing partners across states, new partnerships were established with State Councils of S&T, District Administrations, Forest Departments, and Krishi Vigyan Kendra (KVKs) to support the dissemination process. Adhering to the Government of India's 'Act East' policy, NIF intensified its efforts in Sikkim, Tripura, Manipur, and Mizoram, facilitating the introduction of grassroots innovations through State Councils of S&T.

In Mizoram, in collaboration with the Directorate of Science and Technology, Government of Mizoram, NIF conducted a major dissemination initiative. On National Technology Day 2023, 30 grassroots innovations from Mizoram were showcased and shared with self-help groups, farmer communities, cooperative societies, Wet Rice Cultivation societies (WRCs), and KVKs across the state. These efforts aim to make innovative technologies accessible to local communities.

Additionally, Research Advisory Committee (RAC) meetings were held on September 21, 2023, and March 12, 2024, to review various projects and initiatives in Dissemination and Social Diffusion (DSD). Based on the RAC's recommendations, subsequent projects and activities were pursued.

### Training programs on Grassroots Innovations

NIF, in collaboration with the Forest Department of Bolangir District, Odisha, and NIFentreC,

organized a training program on September 14-15, 2023, to enhance value addition to farm produce. The training covered grassroots innovations such as the Solar-Powered Rice Puffing Machine, Multi-Spice Grinder, Sal/Siali Leaf Plate/Bowl Making Machine, Semi-Automatic Sabai Rope Making Machine, and Tamarind De-Seeder. Participants were educated on using these technologies to improve their agricultural output.

Additionally, a hands-on training program was held on October 4-5, 2023, for Van Samrakshna Samiti (VSS) representatives from nearby areas of Bolangir District. This session focused on innovations including the Cow Dung Pot Making Machine, Cow Dung Log Making Machine, and Multi-Purpose Food Processing machine, aimed at enhancing livelihood opportunities.

In Chhattisgarh, a training on grassroots innovations took place on January 8, 2024, with support from Chhattisgarh Rajya Van Vikas Ltd. Two units of the Natural Water Cooler were installed at Bhimdungari Eco Park and Gaikhal Eco Park in Bolangir District on February 16-17, 2024. Another training program, featuring the Automatic Ultra-Thin Sanitary Napkin Machine with UV Conveyor by innovator Abdul Gaffar Sheikh, was conducted in Khunti District, Jharkhand, from March 5-7, 2024, with support from the Watershed Cell – cum – Data Center (WCDC) Khunti.

Furthermore, five innovations—including the Rice Puffing Machine, Manure Making Machine, Mini Daal Mill, Corn Sheller, and Potato Harvester—were provided to the Manipur Science & Technology Council (MASTEC) in Imphal, Manipur. A training session on these innovations was organized at the Technology Training Centre, MASTEC, on March 19-20, 2024. The training was led by innovators from Bihar and Odisha, targeting farmers, local youth, and women.

### Innovation yatra

To celebrate *Atmanirbharta* under the *Azadi Ka Amrit Mahotsav*, the NIF, in collaboration with the Ministry of Culture, Government of India, organized an extensive Innovation Yatra spanning 11 days. This initiative aimed to showcase rural innovations across the country. The yatras were launched from four locations: Gandhinagar,





Innovation yatra at Fazilka Punjab

Dehradun, Guwahati, and Bhubaneswar, covering a vast distance of 7500 km and traversing 13 states.

The Innovation Yatra engaged a diverse audience, including students, farmers, tribals, shopkeepers, weavers, herbal healers, teachers, and self-help groups (SHGs), with a remarkable turnout of over 12,000 participants. Throughout its journey, the yatra showcased approximately 35 technologies incubated by the NIF through a series of on-field demonstrations.

In addition to the technology showcases, the yatras distributed around 36,000 copies of various printed materials, including books, booklets, technical bulletins, pamphlets, and posters. The journey also served as a platform for documenting over 1,000 ideas, innovations, and traditional knowledge, highlighting the rich tapestry of grassroots creativity and ingenuity across the country.

### Northeast Start-up & Entrepreneurs Conclave 2024

A two-day Northeast Start-up & Entrepreneurs Conclave 2024 was organized by North East Centre for Technology Application and Reach (NECTAR), in collaboration with the NIF and other partners, on March 27-28, 2024, in Guwahati. The first technical session featured a panel discussion on “Navigating the Start-up Ecosystem in Northeast India,” was organized by NIF on March 27. Additionally, NIF showcased a range of grassroots innovations at the Expo, including the Magnetic Bobbin-Based Buta (Design) Making Device, the Eri Silk Reeling

Machine, the Adjustable Walker, and the Mitticool range of earthen products, among others.

### Capacity building workshop on social innovation and entrepreneurship

On December 13, 2023, NIF, in collaboration with CSIR - National Institute for Interdisciplinary Science and Technology (NIIST) and Vibha Vani, organized a one-day capacity-building workshop on social innovation and entrepreneurship at NIIST, Thiruvananthapuram. The primary goal of the workshop was to establish a sustained engagement with innovators, social entrepreneurs, and other stakeholders to facilitate the local diffusion of innovations. The workshop focused on enhancing participants’ skills and knowledge to drive effective implementation and scaling of social innovations in their communities.

### Sensitization and consultation workshop on Grassroots Innovations based livelihood generation program

On December 22, 2023, a sensitization and consultation workshop was organized at Bhubaneswar to engage with various stakeholders and introduce them to livelihood upliftment through Grassroots Innovations (GRIs) incubated at NIF. The workshop aimed to foster collaboration by outlining the project’s objectives and expectations. During the sessions, stakeholders discussed strategies for leveraging grassroots innovations to enhance local livelihoods. A participatory analysis was conducted to explore



Innovation Yatra- Regional Science Centre, Bhubhaneshwar





Innovation Yatra, Star Children Academy school Jaipur

the diversity within the target population and to identify the potential contributions of each partnering institution. This collaborative approach aimed to ensure that the project effectively addresses the needs of the community and maximizes the impact of the innovations.

## Exhibitions

On the occasion of National Technology Day on May 11, 2023, the NIF exhibited grassroots innovations & student creativity based innovations at an exhibition organized by Sikkim State Council of Science & Technology, Government of Sikkim at Sikkim Science Centre. The visitors to the exhibition primarily comprised school students who could learn more about relevant programs for them like the INSPIRE MANAK and inspiring innovations that stemmed from other school students of their generation. Grassroots Innovators and Student Innovators supported by the NIF also participated in the National Technology Week (May 11-14-2023) at Pragati Maidan in New Delhi. On May 12, Union Minister of State (Independent Charge) Science & Technology Dr. Jitendra Singh interacted with the school students and inspired them to take cue from the various Start-up entrepreneurs making headway in niche sectors.

A two-day innovation festival was organised with/at the Regional Science Center Guwahati on February 22-23, 2024, where a total of 28 participants took part in the innovation exhibition organized as part of the festival, and amongst them 21 were grassroots innovators and INSPIRE MANAK student awardees from different states of the Northeast region.

## Other activities

NIF participated in the Channel Partner Meet organised by the Odisha Rural Development and Marketing Society (ORMAS) Angul and had discussion with officials and participants for technological interventions in setting up Banana fiber processing unit and strengthening the Mango processing unit on February 20, 2024. Subsequently, another meeting with DFO Angul was arranged to explore the possibility of livelihood generation in Satkosia Forest Range. An online meeting was organised with Dy CEO, ORMAS and his team for the discussion on technological interventions for livelihood generation mainly setting up Banana fibre processing unit on March 5, 2024. In addition to these, NIF team undertook fieldwork in different states of the country to assess need-gap for problem-innovation matchmaking, meet prospective partners and disseminate information about GRIs to the common people.



Hon'ble President and Hon'ble Minister S&T visiting exhibition at FINE 2023



The screenshot displays the NIF website homepage. At the top, there is a dark blue header with the NIF logo and the URL 'nif.org.in'. Below this is a blue navigation bar with various menu items: ABOUT US, DEPARTMENTS, INITIATIVES, PUBLICATIONS, GALLERY, NIFentreC, ARCHIVES, and ANNOUNCEMENTS. The main content area is divided into three columns: Messages, Updates, and Podcast. The Messages section features a profile of Dr. Arvind C. Ranade, Director of NIF, with a brief bio and a 'Read more' link. The Updates section lists a recent event: '11th National Level Exhibition and Project Competition (NLEPC) Witness firsthand the creativity and innovation of India's youth. School Students and Individuals Welcome! Venue: ITPO, Pragati Maidan, New Delhi. 17-Sep to 19-Sep-2024'. The Podcast section lists three episodes of 'VKA' by Mahesh Patel, with a 'Click for more' link. Below these sections is a large statistics dashboard with a background image of palm trees. The dashboard displays six key metrics: 3.45lakh Entries Scouted, 1,145 Recognition, 120+ Technology Transfer, 1,394 Patents Filed, 689 Patents Granted, and 90 PPV & FRA Applications Filed. To the right of the dashboard is an 'About Us' section with a photo of the NIF building and a brief description of the organization's mission and goals.

The Information Technology and Communication team plays a crucial role in modernizing and streamlining communication processes, ensuring efficient information flow within organization. It focuses on implementing latest technologies and solutions to enhance data management, cybersecurity, and digital infrastructure, including managing websites and social media accounts to boost online presence and engagement.

During the year, the NIF's website was revamped and the INSPIRE MANAK review system was upgraded. The team also facilitated the audit of NIF's website, Grassroots Innovation web portal, INSPIRE MANAK web portal and INSPIRE MANAK D/SLEPC mobile app, INSPIRE MANAK Nominations app and INSPIRE MANAK review web portal.

The geographical mapping of 1.33 Lakh national innovations registered on NIF portal were also mapped in collaboration with the Centre for Environmental Planning and Technology [CEPT] Research and Development Foundation, Ahmedabad. It is hoped that this will facilitate multidimensional analysis of NIF database so as to appreciate interface between local problems and solutions.



## Festival of Innovation and Entrepreneurship (FINE)

Round table at FINE 2023

The annual Festival of Innovation and Entrepreneurship (FINE) is a major initiative that celebrates and rewards the creativity of common people. Organized by the Department of Science and Technology (DST) and the National Innovation Foundation (NIF) - India, under the support of Rashtrapati Bhavan, FINE aims to promote science, technology, and innovation, and encourages entrepreneurship among citizens. The festival highlights the dedication of the Presidency, DST, and NIF to advancing innovation and entrepreneurship in India, providing a platform for grassroots innovators to showcase their work. Organised with the FINE, NIF's Biennial National Grassroots Innovation and Outstanding Traditional Knowledge Awards are the highest honors in this field, often marking the first major recognition for many grassroots innovators. The 2023 edition of the FINE was organised from April 10-13, 2023 at the Rashtrapati Bhavan, New Delhi.

On April 10, 2023, the President of India, Smt. Droupadi Murmu, inaugurated the annual Festival of Innovation and Entrepreneurship and met with the 7th batch of the Innovation Scholar In-Residence Program. The event was attended by Dr. Jitendra Singh, Union Minister of State (Independent Charge) for Science and Technology & Earth Sciences, and Dr. Srivari Chandrasekhar, Secretary, Department of Science and Technology.

FINE 2023 featured five roundtables on key topics: scaling up and commercialization of innovations; innovations for wealth creation and employment; inclusive and sustainable development; healthcare innovations; and energy and environment. Experts from government, industry, academia, investment firms, and incubators participated in discussions to find solutions to current issues in the innovation and entrepreneurship ecosystem. During the healthcare innovations roundtable, 48 monographs developed with the Ministry of



Glimpses of FINE 2023 exhibition and awards







Hon'ble President & Honorable Minister S&T at FINE 2023-Compendium launch



AYUSH were launched.

A summary of the discussions and suggested policy changes from the roundtables was presented to the President of India. A major highlight of FINE 2023 was a large exhibition of innovations, open to the public for four days. Thousands of visitors, especially school students from Delhi and nearby areas, attended the exhibition to see the grassroots and student innovations on display.

### 11th National Biennial Grassroots Innovation Awards 2023

On April 10, 2023, the President of India, Smt Droupadi Murmu presented 11th Biennial National Grassroots Innovation and Outstanding Traditional Knowledge awards of NIF to Grassroots Innovators and Outstanding Traditional Knowledge holders of the country as part of the annual FINE in presence of Dr. Jitendra Singh, Hon'ble Union Minister of State (Independent Charge), Ministry of Science and Technology & Earth Sciences, Govt. of India and Dr Srivari Chandrasekhar, Secretary, Department of Science and Technology, Government of India.

During the award function, a total of 51 awards were given to 52 innovators (including four women innovators), coming from twenty-two States and Union Territories of the country including seven North-Eastern states, Jammu & Kashmir, Ladakh and, Andaman and Nicobar Islands. The innovators selected for recognition in the 11th Award Function had submitted their innovations during NIF's 11th National Biennial Grassroots Innovation Competition period (April 1, 2017-March 31, 2019). For the 11th National Biennial Competition NIF received about 15000 ideas, innovations and traditional knowledge practices (not all unique or distinctive) from 35 States and Union Territories of the country.

**Table 9 List of awardees in the  
11th National Biennial Grassroots Innovation Awards 2023**

S.N.	Innovation	Innovator Name	State
<b>Lifetime Achievement Award (1)</b>			
1	Cotton Stripper Machine	Mansukhbhai Patel	Gujarat
<b>National Awards – First (4)</b>			
2	Sola Wood Sheet Making Machine	Dipak Sardar	West Bengal
3	Tractor Operated Groundnut Decorticator Cum Grader	Kishan Lal Suthar	Rajasthan
4	<i>G-Vilas Pasand</i> - Improved Guava variety	Ram Vilas	Uttar Pradesh
5	Innovative Multiple Rooting Propagation Method for Cashew	Smt. Aniyamma Baby	Kerala
<b>National Awards – Second (5)</b>			
6	Six-Axis Rotating Head Golden Embossing Machine	Ravi Ganpat Chopade	Maharashtra
7	Manual Paddy Transplanter	Sadasibo Majhi	Odisha
8	Stump Harvester/ Tree Root Puller	Indrajit Singh Khass	Maharashtra
9	SK-4: Improved High Yielding Turmeric Variety	Sachin Kamlakar Karekar	Maharashtra
10	Herbal Medication for Expulsion of Placenta and Involution of Uterus	Shishpal Singh	Uttar Pradesh
<b>National Awards – Third (3)</b>			
11	Portable Coconut Breaking Machine	Biju Narayanan	Kerala
12	<i>Sonali 45</i> : Improved Variety of Cauliflower	Mukesh Kumar Singh and Rajamani Singh	Bihar
13	Herbal treatment for mastitis in cow	Vishnu Kumar Sharma	Rajasthan
<b>State Awards (12)</b>			
14	Innovative handloom	Karappan Venkatraman	Tamil Nadu
15	Clove bud separator	Shine Joseph	Kerala
16	Iron cutting cum bending machine	Jalendra Kumar	Bihar
17	Walnut peeling machine	Mohd. Shafi Ahanger	Jammu & Kashmir
18	Shredding and peeling machine AND Pineapple peeling machine	Imkongsunep	Nagaland
19	Laddu making machine & Large scale spindle machine	Chhuanmawia	Mizoram
20	Tractor operated taro harvester with washer	Yanglem Brajamani Singh	Manipur
21	Soil clod crusher	Suchil Teron	Assam
22	Tarpaulin shed with drainage	Mohammad Amiruddin	West Bengal
23	Polanga decorticator	Rajesh Sahoo	Odisha
24	Silkworm breeding net folding machine	Sunil Shinde	Maharashtra



25	AA: Improved Drought Tolerant Dual Purpose Sorghum Variety	Himmatbhai Virjibhai Lakkad	Gujarat
<b>Consolation Awards (15)</b>			
26	Pelletization for paddy cultivation	Aji Thomas	Kerala
27	Paddy straw cutter for mushroom cultivation	Ajay Kumar Prusty	Odisha
28	Pepper thresher	Binoy Sebastian	Kerala
29	Two in one cultivator and blade harrow	Rajnikant R Patel	Gujarat
30	Channel making machine	Dinesh Chaudhary	Chhattisgarh
31	Automatic cup hanger making machine	Mohan Kumar G S	Kerala
32	Cardamom pod plucking and pruning tools	Selichum Sangtam	Nagaland
33	Coconut harvesting tool AND Pupa removal device for cocoon	Budheswar Pamey	Assam
34	Self-operated juice vending machine	Har Kumar Goswami	Assam
35	Instrument for climbing arecanut tree	Gobin Sinha	Tripura
36	Arecanut leaf moulding machine	M. Chinnakannu	Tamil Nadu
37	<i>Kansi No. 1</i> : Improved High Yielding Onion variety	Punam Chand Patidar	Rajasthan
38	<i>M-Jamini</i> : Fine Grain Aromatic Paddy Variety	Smt. Mousumi Biswas	West Bengal
39	<i>Palli</i> : Dual Purpose Chilli Variety for Chutney & Sauce	Anandkumar Patel (Community Representative)	Gujarat
40	Herbal medication for anestrus in cattle	Akhambhai Arjanbhai Vagadia	Gujarat
<b>Appreciation (4)</b>			
41	Flower shower machine	Baltej Singh Matharu	Punjab
42	Scaffolding /Support for masonry work	Nisar Ahmad Itoo	Jammu & Kashmir
43	<i>BLK-Balaji</i> : Improved High Yielding Wheat Variety	Bajrang Lal	Rajasthan
44	Herbal Pesticide For Controlling Leaf Curl Disease	Hom Prasad Chuwan	Sikkim

<b>Student (7)</b>				
45	Modified Kangri	Asim Sikander Mir	Jammu & Kashmir	1 <sup>st</sup>
46	LPG cylinder cap opener	Sayen Akhtar Sheikh	Andaman and Nicobar	2 <sup>nd</sup>
47	Bamboo basket weaving machine	Sumit Murari	Jharkhand	3 <sup>rd</sup>
48	Sea buckthorn harvester	Tsering Omphel	Ladakh	Consolation
49	Shock absorbing stretcher	Ms. Hema Pradhan	Sikkim	Consolation
50	Beg with attached wheelchair	Ms. Arushi Tandon	West Bengal	Consolation
51	Life jacket with an oxygen mask	Mauwang Wangham	Arunachal Pradesh	Appreciation

Similar to previous years, the Department of Science and Technology (DST), Government of India, in association with the National Innovation Foundation – India (NIF), is executing the annual INSPIRE–MANAK (Million Minds Augmenting National Aspiration and Knowledge) scheme nationwide. This scheme, the first component of the broader Innovation in Science Pursuit for Inspired Research (INSPIRE) initiative, aims to motivate students aged 10-15 years, studying in classes 6 to 10, to pursue careers in science and research. The scheme targets one million ideas each year from over five lakh schools across the country and aligns with the ‘Start-up India’ initiative launched by the Hon’ble Prime Minister of India.

### Nomination for FY 2023-24

During the year, nominations were open from June 1, 2023 to September 30, 2023. A total of 8,54,553 nominations were received from all States and UTs across the country, including Kendriya Vidyalaya, Jawahar Navodaya Vidyalaya, and Sainik Schools. 53.25% of nominations were from girls, while 46.75% were from boys. Rajasthan secured the top position with 1,59,885 nominations. This was preceded by a massive awareness campaign, which included 122 online workshops attended by teachers, school representatives, and Block, District, and State Nodal Officers. A meeting for State Nodal Officers was also held in Delhi to discuss the future roadmap of the programme. Among the 8,54,553 nominations, a total of 46,926 students were shortlisted to participate in the District Level Exhibition and Project Competition (DLEPC) and subsequently the State and National Level Exhibitions and Project Competitions (S/NLEPC). The projects were shortlisted after a comprehensive review involving approximately 300 experts across the country.

To facilitate the nomination process through mobile phones, the “INSPIRE–MANAK App” was introduced. The app is available for download on the Google Play Store and through the E-MIAS web portal, with the same nomination and log-in processes as the web portal.

### 10th NLEPC (National Level Exhibition and Project Competition)

The 10th National Level Exhibition and Project Competition (NLEPC) for FY 2021-22 was successfully organized from October 9-11, 2023, at New Delhi. A two-day exhibition was held from October 9-10, 2023, at Indira Gandhi Stadium Complex (IGSC), New Delhi, and the felicitation programme for winners was held on October 11, 2023, at Vigyan Bhawan, New Delhi. The NLEPC was inaugurated by Prof. Abhay Karandikar, Secretary, DST, on October 9, 2023, and the top 60 winners were felicitated by Dr. Jitendra Singh, Union Minister of State (Independent Charge) for Science & Technology. The 9th NLEPC showcased ideas and innovations from a total of 441 students who were shortlisted after a series of District and State Level Exhibition and Project Competitions (7.05 lakh nominations were received for FY 2021-22). During the NLEPC, school students from Delhi – NCR were invited to visit the exhibition. Over 12000 students visited the exhibition.

### DLEPCs/SLEPCs and Mentorship Workshops

As part of the scheme, district and state level exhibitions were organized for the INSPIRE–MANAK FY 2021-22 (343 DLEPCs and 33 SLEPCs) and FY 2022-23 (230 DLEPCs and 22 SLEPCs) during the year. Subsequently, 33 dedicated mentoring workshops for state/UT winners were organized at top technological institutes in the country, such as IITs, BITS, and NITs. These workshops provided students with high-quality mentoring and exposure to the latest trends in Science, Technology, and Innovation (STI), helping them make informed decisions about their innovative technologies. Financial support was also provided to state level winners to showcase improved prototypes at the National Level Competition.



10th NLEPC school students visiting stalls

## INSPIRE-MANAK Winners at International Platforms

A total of eight student winners from the INSPIRE-MANAK National events were selected to showcase their innovations at the 4th ASEAN-India Grassroots Innovation Forum in Malaysia organised from November 28-20, 2023. Ms. Aanchal Aggarwal, a winner of the 10th NLEPC 2023, made the country proud by winning the 3rd prize at the event for her innovation, “Parkinson’s Lathi.”

## Participation at National Platforms

The top 60 winners of the 9th National Level Exhibition and Project Competition (NLEPC) 2022 showcased their innovations at the Festival of Innovation & Entrepreneurship 2023, held at Rashtrapati Bhavan, New Delhi, from April 10-13, 2023. Notably, Mr. Pukhrambam Dayananda Singh from Manipur was selected for the Innovation Scholars In-Residence Programme at Rashtrapati Bhavan. Later, thirteen winners of the INSPIRE MANAK scheme participated in National Technology Week, which took place from May 11-14, 2023, at Pragati Maidan, New Delhi. On May 12, Dr. Jitendra Singh, Union Minister of State (Independent Charge) for Science & Technology, engaged with the winners, drawing motivational parallels to successful start-up entrepreneurs. Further, twelve INSPIRE MANAK winners participated in the India International Science Festival (IISF) 2023, which was organised from January 17-20, 2024, at THSTI-RCB Faridabad, Haryana.

## NLEPC Winners Receive Prestigious National Awards

NIF facilitated the participation of 10th NLEPC winners in the prestigious ‘Vivo Innovation Award Competition’. INSPIRE-MANAK program winner (10th NLEPC 2023), Shreyansh from Odisha, earned the prestigious Vivo Innovation Award INR(4 Lakhs) for his innovation “Automatic Straw Processing and Packaging Machine for Oyster Mushrooms.”



## India International Science Festival



IISF 2024: State S&T Ministers and Centre and State S&T Secretaries Officials Meet



IISF Valedictory session under gracious presence of Ex Haryana CM



IISF – Young scientist Conference abstract book release

India International Science Festival (IISF) is an collaborative program of the Ministry of Science and Technology and Ministry of Earth Science, Department of Space and the Department of Atomic Energy of the Government of India in association with Vijnana Bharati. Through its creative events and activities, IISF engages the public with science in an enjoyable way and offers opportunities for people from India and abroad to collaborate for the betterment of humanity. The 9th IISF, themed ‘Science and Technology Public Outreach in Amrit Kaal,’ was organised from January 17-20, 2024, at the DBT THSTI RCB campus in Faridabad, Haryana, featuring seventeen distinct events. The IISF was coordinated and implemented by the National Innovation Foundation – India where NIF team members also co-coordinated different events organised as part of the festival.

Prior to the event, the Outreach Program effectively disseminated information about IISF 2023 nationwide. This effort began with a curtain-raiser by Union Minister of State (I/C) for S&T Dr. Jitendra Singh, Haryana’s Minister of Higher Education Shri Mool Chand Sharma, and various Secretaries. The outreach covered 61 institutions, social media platforms, and extensive print and electronic media coverage. The Student Science Village attracted over 1,500 students, including around 450 from aspirational districts and ‘first villages.’ Divided into 8 houses, students participated in hands-on science activities and observed expert demonstrations. INSPIRE MANAK and IGNITE student innovators showcased approximately 20 technologies. The event emphasized practical learning and interdisciplinary exploration, in line with the vision of nurturing future scientists and innovators for ‘New Bharat.’

The Face-to-Face with New Frontiers of Science and Technology event featured eminent speakers discussing AI, nuclear medicine, space research, and biotechnology. It hosted 6,000 students from 130 schools, engaging them with interactive lectures on advanced topics such as generative AI, nuclear medicine, robotics, and space exploration



challenges. The sessions included discussions on space exploration, pharmaceutical advancements, and sustainability, fueling students' passion for science. The Science through Games and Toys event promoted scientific learning among youth through interactive methods. It featured sessions on creating educational toys, STEM workshops, origami demonstrations, drone workshops, and meteorology presentations. Experts highlighted innovative teaching methods, integrating science with art, and the importance of scientific methodologies. Prominent figures from academia and research concluded the event, which included activities like drone demonstrations, bottle rocket experiments, and SCIToon presentations. Visitors also enjoyed a display of 40 aircraft models, exploring aerodynamics and the enjoyment of flying objects.

The Student Innovation Festival-Space Hackathon engaged over 4,500 teams to address space challenges, with 57 teams shortlisted for a 30-hour hackathon. Four winning teams, whose ideas will be supported by ISRO, tackled issues like Voice-Activated Search Assistants and Cyber Security. Notable figures from ISRO and academia encouraged innovative solutions, and parallel lectures highlighted opportunities within ISRO and global perspectives. The event emphasized innovation and societal contributions through science and technology. The Vigyanika - Science Literature Festival facilitated deep discussions and dialogues on effective science communication through insightful discussions, workshops, and scientific sessions. Approximately 400 delegates, including 200 school students, science communicators, and enthusiasts from 26 states, attended the event.

The State S&T Ministers and Officials Conclave brought together seven state ministers, 27 officials, and 75 delegates to strategize on advancing the STI ecosystem through S&T Councils, aligning with government policies. Discussions focused on strengthening regional S&T capabilities and developing homegrown solutions, emphasizing the need for a robust technology foundation and the role of collaboration and innovation in advancing

the science and technology landscape. The IISF Challenge aimed to set a world record with 'Most People Assembling Models of Picosatellite Kits Simultaneously.' A total of 508 students from 12 schools in Haryana assembled 508 WeMoSats - weather-monitoring picosatellites - within 75 minutes. The satellites were launched to 500 feet using paramotors, and data on weather parameters such as temperature, humidity, pressure, and altitude was sent to students' smartphones and LED displays in real-time.

The Education for Aspiring India- National Science Teachers Workshop gathered passionate educators nationwide to enhance experiential learning and problem-solving skills, in alignment with the National Education Policy (NEP). With 300 teachers participating, the workshop featured expert sessions on experiential learning, interdisciplinary approaches, mental health awareness, and the impact of NEP 2020 on assessments. International perspectives, practical activities, and panel discussions fostered a culture of innovation in science education. The Young Scientists Conference (YSC) selected 426 outstanding individuals from 2,552 applicants, with 124 presenting oral papers and 302 presenting posters. This platform allowed young scientists to reflect on recent technological breakthroughs and efforts towards inclusive science, contributing to India's scientific vision. The conference featured plenary talks on nine contemporary themes aligned with national programs.

The New Age Technology Show showcased cutting-edge technological advances over four days. Out of 1,800 applications, 150 were shortlisted. The event covered topics like 5G/6G communication, Drone Technologies, AR/VR, IoT, Industry 4.0, 3D Printing, AI/ML, Health, Agriculture, Robotics, Quantum Computing, and Cyber Security. The National Quantum Mission was launched during the valedictory function, highlighting achievements and insights in various technological domains. The National Social Organisations & Institutions Meet (NSOIM), held as part of IISF, facilitated the exchange of ideas between social and scientific communities



with a focus on “Technological Innovations for Grassroots Development.” It attracted 215 participants and covered topics like water conservation, grassroots innovations, societal health challenges, and livelihood-centric systems. The event featured 15 grassroots models and emphasized collaborative approaches for rural prosperity, concluding with the release of the ‘Navonmesh’ handbook for societal betterment discussions.

The Science, Technology, and Innovation Exhibition featured 100 exhibitors, presenting innovations from leading organizations such as DST, DBT, DRDO, and ISRO. Prominent R&D institutions and government bodies like ICMR, CSIR, BrahMos, MoES, and NTPC showcased their contributions to scientific and technological advancements. The Science & Technology Media and Communicators Conclave focused on promoting effective science dissemination and collaboration. Key sessions addressed the role of social media in science communication, media’s impact on science diplomacy, and cinema’s potential in outreach. Discussions emphasized enhancing science representation through social media and addressing challenges like fake news and deep fake AI.

The Science, Technology, and Innovation B2B Meet fostered collaboration between startups, innovators, and the business community. Thirteen technology business incubators and over 75 startups and grassroots innovators displayed their innovations. The DST NIDHI PRAYAS CENTRE demonstrated its prototype development capabilities, including rapid prototyping and testing, and facilitated interactions between startups and investors. The Women Scientists and Entrepreneurs Conclave empowered women in science, entrepreneurship, sustainability, and technology. Over two days, 125 participants from 20 states and union territories engaged in sessions on challenges and opportunities for women entrepreneurs and academics, roles in sustainable development, and modern practices rooted in ancient wisdom. The conclave provided a comprehensive platform for discussing women’s roles and contributions across various sectors.

The India International Collaboration at IISF 2023 brought together delegates from 21 countries, facilitated by the National Innovation Foundation-India. The roundtable discussions focused on international collaborations in Science, Technology, and Innovation (STI), emphasizing convergence for sustainable development and formulating collaborative goals.



## Partnerships



MoU with NIF & State Innovation Council [SIC], Govt of Rajasthan

### New initiatives

New partnerships at NIF have been pivotal in expanding its impact and fostering innovation across diverse sectors. By collaborating with academic institutions, government bodies, and industry leaders, NIF aims to enhance grassroots innovation and drive technological advancement for societal benefit.

On June 19, 2023, a Memorandum of Understanding (MoU) was signed between the National Innovation Foundation (NIF) and Maharana Pratap University of Agriculture and Technology (MPUAT), Udaipur, Rajasthan. This agreement marks a commitment to foster an inclusive innovation ecosystem through academic and research collaboration. On August 2, 2023, NIF and Assam Agricultural University, Jorhat, Assam, signed a MoU aimed at developing an inclusive innovation ecosystem in Assam. This partnership seeks to enhance academic and research cooperation, drive innovation, and address regional needs through collaborative efforts. NIF renewed its MoU with the Department of Agriculture and Farmers' Empowerment, Government of Odisha, on August 5, 2023, at Krushi Bhawan, Bhubaneswar. This renewal aims to advance grassroots innovations in farm implements and tools. A MoU was signed with Bharatiya Engineering Science and Technology Innovation University (BESTIU), Andhra Pradesh, on August 18, 2023. This agreement is focused on promoting innovation, research, and technological advancement for societal betterment.

Furthering its collaborative efforts, NIF signed a MoU with CSIR-NIIST and Vibha Vani on October 6, 2023, at CSIR-NIIST, Thiruvananthapuram, and with the Odisha Rural Development and Marketing Society (ORMAS) on October 17, 2023. These agreements are aimed at advancing grassroots innovation and science, technology, and innovation (STI) interventions to address societal challenges and achieve sustainable development. A couple of other MoUs, with Startup Odisha on January 31, 2024, and with Jharkhand Council on Science, Technology and Innovation (JCSTI) on March 11, 2024, were signed to bolster grassroots innovation ecosystem in Odisha and Jharkhand respectively.

NIF also collaborated with Academy of Scientific and Innovative Research [AcSIR], which has mandate to create and train science & technology leaders, focus on imparting instructions in areas that are not routinely taught in regular academic universities. The NIF-AcSIR engagement will help to train students and facilitate their registration for doctorate degree to work on NIF projects. Further, NIF also entered into MoU with Madhya Pradesh Council of Science & Technology, Bhopal, Madhya Pradesh and Indian Institute of Printing and Packaging Technology, Greater Noida, Uttar Pradesh for strengthening academic, research cooperation, science popularization, leveraging expertise of human capital and undertaking joint research projects.

Table 10 Out of Existing MoU



Signing of MoU between NIF and AcSIR

SN	Institution/Organization	Agreement Date	Valid upto	Outcomes
1	Jharkhand Council on Science, Technology And Innovation (JCSTI)	11th March 2024	10th March 2029	For scouting, documentation and dissemination meetings for initiating the activities were conducted and activities will be undertaken during the financial year.
2	Council of Scientific and Industrial Research, Vibha Vani India(VVI)	6th October 2023	5th October 2026	NIF, in collaboration with CSIR-NIIST and Vibha Vani, organized a one-day capacity-building workshop on social innovation and entrepreneurship at NIIST, Thiruvananthapuram.
3	Academy of Scientific and Innovative Research	21st September 2023	20st September 2028	PhD programs will be undertaken with AcSIR.
4	Bharatiya Engineering Science And Technology Innovation University (Bestiu)	18th August 2023	17th August 2026	Scouting and Documentation activities are initiated.



5	Assam Agricultural University (AAU), Jorhat	2nd August 2023	1st August 2026	Validation activities for agricultural technologies specially plant varieties are being undertaken
6	Indian Institute of Printing and Packaging Technology	18th July 2023	17th July 2028	The activities will be undertaken during the Financial year
7	M.P. Council of Science & Technology	12 July 2023	11 July 2026	Scaling up of NIF activities in the region of Madhya Pradesh is being undertaken
8	Maharana Pratap University Of Agriculture And Technology [MPUAT]	19th June 2023	18th June 2028	Students from College of Technology And Engineering (CTAE), MPUAT Udaipur have been engaged in detailed documentation, value addition, research and development (VARD) of grassroots innovations in guidance of faculty of the college
9	ICAR - Central Coastal Agricultural Research Institute (CCARI), Goa	9th March 2023	8th March 2026	The activities will be undertaken during the Financial year
10	IIT Guwahati	7th February 2023	6th February 2028	NIF Regional Office is functioning at IIT Guwahati
11	The Institute of Horticulture Technology (IHT)	24th January 2023	23th January 2028	The activities will be undertaken during the Financial year
12	The TISS Incube Foundation (Tif)	30 <sup>th</sup> November 2022	29th November 2028	Activities are ongoing and one call has been provided
13	Sri Sathya University For Human Excellence (Sssuhe) Kalaburagi	7th April 2022	6th April 2027	Center for Dissemination has been established under MoU
14	National Institute of Technology, Calicut	27th January 2022	26th January 2027	Scouting, Documentation activities and mentoring of students are being held with the support of NIT
15	Kamdhenu University, Gandhinagar	14th January 2022	13th January 2025	Scientific inputs are received time to time
16	National Institute of Pharmaceutical Education And Research [NIPER], Hyderabad	14th January 2022	13th January 2025	Scientific inputs are received time to time
17	University of Kashmir	6th October 2021	5th October 2026	NIF Regional Office is functioning at UoK
18	Gujarat Biotechnology Research Centre, Gujarat	17th March 2021	16th March 2024	Scientific inputs are received time to time
19	Dabur Research Foundation	17th May 2016	16th May 2026	Validation activities on herbal human ailments are in progress

### 4th ASEAN India Grassroots Innovation Forum

The 4th ASEAN India Grassroots Innovation Forum (AIGIF) was organised in Langkawi, Malaysia from November 28-30, 2023. The AIGIF is an annual programme focused on fostering a strengthened relationship between India and ASEAN Member States (AMS) on the premise of cooperation in Science, Technology, and Innovation (STI). While on one side it aims to give exposure to social innovations in different countries, it also strengthens governance in the grassroots innovation ecosystem. Building upon the triumphs of past editions in Jakarta, Indonesia (2018), Davao, Philippines (2019), and Phnom Penh, Cambodia (2022), AIGIF 2023 magnified its commitment to surmount societal challenges through heightened participation and collaboration at Langkawi, Malaysia. In 2023, the 3-day AIGIF encompassed speaker sessions, panel discussions, exhibition of innovations and two innovation competitions - Grassroots innovation and Student innovation where a total of 11 countries – India and 10 AMS participated.

Mr. Dipak Bharali from Sualkuchi, Kamrup, Assam, India won the 1st prize in the grassroots innovation competition category for the innovation Weft Insertion Device while Mr Sunil Shinde from Jalna, Maharashtra won the 3rd prize in the grassroots innovation competition category for the innovation Silkworm Breeding Net Folding Machine. In the student innovation competition, Ms Aanchal Aggarwal from Delhi won the 3rd prize for her innovation Parkinson's Lathi. Yayasan Inovasi Malaysia (YIM) is an agency under MOSTI which executed the AIGIF this year.

### Engagement in G20 - Inputs to the Inclusion Task Force of Startup20 under G20:

The NIF actively contributed to the Inclusion Task Force of Startup 20 under G20. The aim of this group was to strengthen innovation and entrepreneurship ecosystem with specific reference to subtheme inclusivity. The policy

is to reinforce to include entrepreneurs from under-represented communities, such as women, persons with disabilities (PwD), rural and grassroots entrepreneurs, to foster inclusivity. NIF highlighted the significance of focusing on validation, value addition, product development, and research and development (R&D) to ensure grassroots innovators' products meet market standards. It also stressed the importance of mentorship programs, networking, and skill-building in the natural habitat of rural innovators. These inputs were provided during events held at Dibrugarh (March 2023) and the concluding event at Gurugram (July 2023).

### Science 20 (S20):

Science 20 (S20) is one of the several engagement groups led by experts and independent organisations, works in parallel with G20 official track and contribute recommendations for the consideration of the G20 leadership. NIF in association with Indian National Science Academy (INSA), organized an outreach program at Ahmedabad Management Association on June 26, 2023. INSA serves as the Knowledge Partner/ Think Tank of the Science 20 Engagement Group. The program engaged students and stakeholders from academia, industry, incubators, entrepreneurs, innovators, start-ups on the theme of 'Disruptive Technologies for Sustainable Development'.

### Ministry of Industry, Science, Technology & Innovation, Cambodia:

The Ministry of Industry, Science, Technology & Innovation (MISTI), Cambodia liaised with NIF during April-May 2023 for developing Quick Impact Projects (QIP) pertaining to grassroots innovations. QIP is a vehicle for science diplomacy wherein technologies from India can be piloted in certain countries. Based on the documentation provided by NIF, MISTI submitted two QIPs worth USD 1,00,000 to the Embassy of India in Cambodia. This is further to the 3rd ASEAN-India grassroots Innovation Summit held during Dec 2022.





4th ASEAN-India Grassroots Innovation Forum (AIGIF) held in Langkawi, Malaysia from November 28–30, 2023

### **National Center for Innovation and Entrepreneurship of Armenia:**

The 8th Session of the Armenia-India Intergovernmental Commission on Trade, Economic, Scientific and Technological, Cultural and Educational Cooperation (AIIGC) was held on July 04, 2022 in Yerevan, Armenia. One of the action points in Minutes of Meeting released by two countries, a connect between India's NIF and Armenia's National Center of Innovation and Entrepreneurship (NCIE) was envisaged, pursuant to which the first meeting was held on May 26, 2023. A presentation on various activities of NIF and NCIE was made on either side as part of this introduction meeting. The NCIE is liaising with Embassy of India in Armenia for ascertaining next steps of co-operation.

### **South Africa:**

The 13th Joint Committee Meeting (JCM) on S&T & Innovation Cooperation between India & South Africa (SA) was held on July 12, 2023 in New Delhi. The Joint Committee agreed to strengthen ongoing cooperation and reviewed the progress of Grassroots Innovation Program between two countries. Under this program, technology exchange visits of the grassroots innovators, entrepreneurs and start-ups for selected technologies, technology adaptation and modification, production of market samples, market analysis reports for deployment, piloting/ demonstration, technology localisation and deployment and regulatory/ certification activities will be undertaken.

### **United Nations Children's Fund [UNICEF]:**

A meeting was held on April 18, 2023 with the Chief of GenU India, Youth Development and Partnerships, UNICEF so as to strengthen UNICEF's India engagement in relation to youth, students in particular. In this regard, capacity building activities for District and State Officers for the State of Tamil Nadu, Andhra Pradesh and Karnataka were carried out.



## Institutional Policies

Official language policy - For implementing the Official Language Policy of the Government, NIF has taken quite a few initiatives. As NIF staff comprises professionals from many states speaking different languages, to popularize Hindi among them, a Hindi word is written every day on a whiteboard displayed prominently at the premises. Phonetic transcription of the Hindi word and its meaning is also written in English for the ease of the staff.

All posters and dissemination material of NIF are available in both Hindi and English. Efforts are being undertaken to have all other publications in Hindi as well as in other regional languages. Additionally, NIF makes concerted efforts to promote regional languages as well. All letters received by NIF in local languages are replied to in the same language. For this, the services of translators are taken.



Hon'ble President welcomed for visit at FINE 2023 exhibition, Rashtrapati Bhawan



### Government Related activities

The Government of India constituted a Task Force Council for Startup20 Engagement Group under India's G20 Presidency 2023 including NIF, giving voice to the informal sector of our economy.

NIF submitted to the Department of Science and Technology, inputs for DST's Annual Report (2022-23), Annual RTI report, Monthly and Quarterly KPIs, Outcome Budget and inputs related to Parliamentary questions, monthly summary for Cabinet and PMO and periodic reports on progressive use of official language Hindi and others on time. In pursuance of Rule 229(xi) of the GFR, 2017, NIF also signed the MoU with the DST for FY 2023-24. Activities related to International Yoga Day, International Women's Day, Hindi Pakhwada were suitably undertaken by NIF.

A Parliament Committee Study Visit cum meeting on Government Assurance, Lok Sabha was held on January 5, 2024 at Ahmedabad. A discussion with the representatives of DST and NIF with respect to a Question dated 02.03.2016 pertaining to Organizations of Science and Technology and their reservation policy was held.

### Audit of publicly available - RTI information

The periodic audit of RTI information related to NIF, available in public domain through website was successfully conducted.

### Vigilance Awareness Week (VAW)

NIF observed the annual Vigilance Awareness Week (VAW) 2023 from October 30, 2023 to November 5, 2023. To make it more effective, besides Integrity Pledge, a training session on "Public Interest Disclosure and Protection of Informers (PIDPI) Resolution 2004: Facts and Facets" was organized for creating awareness.



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- Verma, A., Maheshwari R., et al. (2023). Natural water cooler: An innovative, energy-efficient and low-cost solution for cooling water. In *Proceedings of the 9th International Conference on Advances in Energy Research at IIT Bombay*, Springer, Singapore.
- An article published in Tamil Language on “Uses of Fruit Nipper for Harvesting of Fruits and vegetables” in the Nilavalam magazine of Tamil Nadu state Agriculture and Rural Development Bank Ltd. Chennai. Issue: January - February 2024, PP. 29. (Author: M. Ramyasivaselvi. Dr. Parthkumar P Dave, P. Maheswaran)
- Outreach material of Package of practices of three plant varieties viz. G-Vilas Pasand Guava Sona 40 and Sandip Pyaz Onion in Hindi and English languages along with a leaflet on the cultivation of Sitara Sringar mustard variety were prepared.







# ANNUAL ACCOUNT OF THE YEAR 2023-2024



राष्ट्रीय नवप्रवर्तन प्रतिष्ठान – भारत  
विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार का स्वायत्तशासी संस्थान  
**National Innovation Foundation - India**  
Autonomous Institute of the Department of Science and Technology, Govt. of India



## Independent Auditor's Report

### TO THE MEMBERS OF THE GOVERNING BODY OF NATIONAL INNOVATION FOUNDATION-INDIA

A Trust registered under the Bombay Public Trust Act, 1950, Regn. No. F/7412/Ahmedabad.  
A Society registered under the societies Registration Act, 1860, Regn. No. - GUJ/7567/Ahmedabad.

#### Report on the Financial Statements.

We have audited the financial statements of "NATIONAL INNOVATION FOUNDATION-INDIA" ("The Trust" or "The Society"), which comprise the balance sheet as at 31st March, 2024 and the Statement of Income & Expenditure Account for the Year ended and the Receipts and Payments for the Year ended, and a summary of significant accounting policies and other explanatory information.

#### Management's Responsibility for the Financial Statements

Management is responsible for preparation of these Financial Statements in accordance with the Bombay Public Trust Act, 1950, The Societies Registration Act.1860 and Guidelines Prescribed for Preparation and presentation of financial statement for central autonomous Body issued by Ministry of Finance, Government of India. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements are free from material misstatement, whether due to fraud or error.

#### Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We have conducted our audit in accordance with standards on auditing issued by The Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements.

An audit involves performing procedures to obtain audit evidence about the amounts and the disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal financial control relevant to the Organizations preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluation the appropriateness of the accounting policies used and the reasonableness of the accounting estimates made by the Management, as well as evaluation the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.





### Opinion

In our opinion and to the best of our information and according to the explanations given to us, the financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India.

- a) In the case the Balance Sheet of the state of affairs of the Trust as at 31<sup>st</sup> March, 2024.
- b) In the case of Statement of Income and Expenditure Account, of the excess of expenditure over income for the year ended on 31<sup>st</sup> March, 2024.

### Report on other Legal and Regulatory Requirements

As required under Section 33(2) of The Bombay Public Trust Act, 1950, we further report that-

- a) The accounts are maintained regularly and in accordance with the provisions of the Act and the Rules.
- b) The Income and Expenditure are properly and correctly shown in accounts.
- c) The cash balance and vouchers in the custody of the authorized person on the date of audit were in agreement with the accounts.
- d) Books, Deed, Accountants Vouchers and other documents and records required by us were produced before us.
- e) A register of movable properties of the trust duly certified by the trustee has been properly maintained.
- f) There are no defect and inaccuracies mentioned in the previous audit report which is pending to the complied with.
- g) The manager / trustee appeared before us and furnished necessary information required by us.
- h) No properties of funds were applied for any object or purpose other than object or purpose of trust.
- i) We have not come across any case of alienation of immovable property contrary to the provisions of the section 36 of the Act.

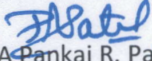
Pursuant to the section 12-E of The Societies Registration Act, 1860, we further report that we have not come across any case of irregular, illegal or improper expenditure or failure or omission to recover monies or other property belonging to the society or of loss or waste of money or other property thereof on the part of governing body or any person.

Accrued liability in respect of Gratuity and Leave Encashment in conformity with the Accounting Standard-15 (Accounting for retirement benefits) issued by The Institute of Chartered Accountants of India is being recorded on payment basis.

For, H. P. & Co.

Chartered Accountants

FRN: 129106W

  
CA Pankaj R. Patel

Partner

Mem. No. 120819

UDIN: 24120819BKAHHE7662

Place: Ahmedabad

Date: 03/09/2024



**NATIONAL INNOVATION FOUNDATION - INDIA**  
Regn.No.F/7412/Ahmedabad

**BALANCE SHEET AS AT March 31, 2024**

(Amount in Rs.)

Particulars	SCH	31/03/2024	31/03/2023
<b>I. CORPUS/CAPITAL FUND AND LIABILITIES</b>			
CAPITAL/RESERVES	1	134,991,822	181,746,796
RESERVES AND SURPLUS	2	35,088,353	29,860,335
EARMARKED/ENDOWMENT FUNDS	3	-	-
SECURED LOANS AND BORROWINGS	4	-	-
UNSECURED LOANS AND BORROWINGS	5	-	-
DEFERRED CREDIT LIABILITIES	6	-	-
CURRENT LIABILITIES AND PROVISIONS	7	71,671,229	8,006,892
<b>TOTAL</b>		<b>241,751,404</b>	<b>219,614,023</b>
<b>II. APPLICATION OF FUNDS/ASSETS</b>			
FIXED ASSETS	8	39,001,548	40,345,687
INVESTMENTS - FROM EARMARKED/ENDOWMENT FUNDS	9	-	-
INVESTMENTS - OTHERS	10	-	-
CURRENT ASSETS, LOANS, ADVANCES ETC., MISCELLANEOUS EXPENDITURE (to the extent not written off or adjusted)	11	202,749,856	179,268,336
<b>TOTAL</b>		<b>241,751,404</b>	<b>219,614,023</b>

**SIGNIFICANT ACCOUNTING POLICIES AND NOTES ON ACCOUNTS** 24

As per our report of even date

**For H P & Co.**

**Chartered Accountants**

**Firm Registration No. 129106W**

**CA Pankaj R. Patel**

**Partner**

**Membership No. 120819**

**UDIN :24120819BKAHHE7662**

**Place : Ahmedabad**

**Date : 03-09-2024**



**For National Innovation Foundation - India**

**Dr Arvind C Ranade**  
**Director NIF**



**NATIONAL INNOVATION FOUNDATION - INDIA**  
Regn.No.F/7412/Ahmedabad

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON March 31, 2024**

Particulars	SCH	2023-24	2022-23
<b>A INCOME</b>			
Income from Sales/Services	12	-	-
Grant / subsidies	13	444,358,589	175,068,134
Fees/Subscriptions	14	-	-
Income from Investments (Income on Investment from Earmarked/Endowment Funds transferred to Funds)	15	-	-
Income From Royalty, Publication etc.,	16	-	-
Interest Earned	17	5,390,173	9,153,860
Other Income	18	9,889,348	4,203,669
Increase/(Decrease) in Stock of Finished Goods and WIP	19	-	-
<b>TOTAL (A)</b>		<b>459,638,110</b>	<b>188,425,663</b>
<b>B EXPENDITURE</b>			
Establishment Expenses	20	27,889,053	22,364,622
Recurring and Administrative Expenses etc.,	21	469,756,461	201,891,811
Expenditure on Grants, Subsidies etc.,	22	-	-
Interest Expense	23	2,187,752	3,473,408
<b>TOTAL (B)</b>		<b>499,833,266</b>	<b>227,729,841</b>
<b>C BALANCE BEING SURPLUS / (DEFICIT) (A-B)</b>		<b>(40,195,157)</b>	<b>(39,304,178)</b>
<b>D Less: Depreciation for the year</b>		5,433,867	5,464,099
<b>E Less : Prior period adjustment</b>		(1,125,950)	-
<b>F SURPLUS / (DEFICIT) CARRIED TO CORPUS / CAPITAL FUND (C-D+E)</b>		<b>(46,754,974)</b>	<b>(44,768,277)</b>

**SIGNIFICANT ACCOUNTING POLICIES AND NOTES ON ACCOUNTS**

24

As per our report of even date

For H P & Co.

Chartered Accountants  
Firm Registration No. 129106W

  
CA Pankaj R. Patel  
Partner  
Membership No. 120819  
UDIN :24120819BKAHHE7662  
Place : Ahmedabad  
Date : 03-09-2024



For National Innovation Foundation - India

  
Dr Arvind C Ranade  
Director NIF



**THE BOMBAY PUBLIC TRUST ACT 1950**  
**Schedule IXC (See Rule 32)**

*Statement of Income liable to contribution for the Financial Year 01-04-2023 to 31-03-2024*


<b>Name of the Public Trust:</b> NATIONAL INNOVATION FOUNDATION - INDIA Bungalow No. 1, Satellite Centre, Satellite Complex, Premchandnagar Road, Jodhpur Tekra, Satellite, Ahmedabad - 380015. Phone: + 91 079 26753501, +91 079 2673 2095 / 2456, E-Mail : info@nifindia.org		
Name , address and Phone Number of Trustees, Whom submit the audit report: <b>See Annexure 1</b>		
Details of Relating Bank Account: Saving Bank A/C no: 606802010000724 Name of Bank: Union Bank of India, Premchandnagar, Ahmedabad.		
Bank Account relating to transaction of foreign contribution of trust: <b>N.A.</b> F.C.R.A. No. <b>N.A.</b>		
Regn.No. F/7412/Ahmedabad		
	<b>INR-Rupees</b>	
<b>Gross Annual Income</b>		
<b>Details of income not chargeable to contribution under Section 58 and Rule 32:</b>		
(i) Donations received during the year from any source		
(a) Corpus		
(1) From Country	-	
(2) From Foreign Country, FC.R.A. No. and Date	-	
(b) General		
(1) From Country	-	
(2) From Foreign Country, FC.R.A. No. and Date	-	
(ii) Grants by Government and local authorities		
(a) Government and Local authorities ( Plan Grant from Department of Science and Technology [DST])	444,358,589	
(b) From Foreign Country	-	
(c) By Funding agencies		
(1) From Country	-	
(2) From Foreign Country, FC.R.A. No. and Date	-	
Interest & Other Income earned	15,279,521	
<b>Total Gross Annual Income</b>		459,638,110
(iii) Amount spent for the purpose of education	505,267,133	
(iv) Amount spent for the purpose of medical relief	-	
(v) A) Deductions out of income from lands used for Agricultural purposes-		
(a) Land Revenue and Local Fund / Cess	-	
(b) Rent payable to superior landlord	-	
(c) Cost of production, if lands are cultivated by trust	-	
(B) Income from lands used for agricultural purpose	-	
(vi) (A) Deductions out of income from lands used for non-agricultural purpose :		
(a) Assessment, Cesses and other Government or Municipal Taxes	-	
(b) Ground rent payable to the superior landlord	-	
(c) Insurance Premium	-	
(d) Repairs at 10 per cent of gross rents of buildings	-	
(e) Cost of collection at 4 percent of gross rent of buildings let out	-	
(B) Income from lands used for agricultural purpose	-	
(vii) Cost of collection of income or receipts from securities stocks etc.at 1 percent of such income	-	
(viii) Deduction on account of repairs in respect of buildings not rented and yielding no income at 10 per cent of the estimated gross annual rent	-	
<b>Total Income not chargeable to contribution.</b>		459,638,110
<b>Gross Annual Income Chargeable to Contribution</b>		-

**For National Innovation Foundation - India**

As per our report of even date  
**For H P & Co.**  
**Chartered Accountants**  
**Firm Registration No. 129106W**

  
**CA Pankaj R. Patel**  
**Partner**  
**Membership No. 120819**  
**UDIN :24120819BKAHHE7662**  
**Place : Ahmedabad**  
**Date : 03-09-2024**



  
**Dr Arvind C Ranade**  
**Director NIF**  
**Date : 03-09-2024**

**NATIONAL INNOVATION FOUNDATION - INDIA**

**Regn.No.F/7412/Ahmedabad**

**SCHEDULE FORMING PART OF BALANCE SHEET AS AT March 31, 2024**

**(Amount in Rs.)**

<b>SCHEDULE 1 - CAPITAL /RESERVE</b>	<b>AS AT 31/03/2024</b>	<b>AS AT 31/03/2023</b>
Balance As at Beginning of the year	181,746,796	226,515,073
Capital at the Beginning of the year ( Included in above total )	433,383	433,383
Reserve at the Beginning of the year ( Included in above total)	181,313,412	226,081,690
Add/(Deduct) : Balance of Net Income/(Expenditure) transferred from the Income and Expenditure Account	(46,754,974)	(44,768,277)
<b>Balance as the year end</b>	<b>134,991,822</b>	<b>181,746,796</b>

**(Amount in Rs.)**

<b>SCHEDULE 2 - RESERVES AND SURPLUS</b>	<b>AS AT 31/03/2024</b>	<b>AS AT 31/03/2023</b>
1 Special Reserve		
As per Last Account	29,860,335	23,650,590
Addition During the year	5,228,018	6,209,745
Less : Deductions during the year	-	-
<b>Total</b>	<b>35,088,353</b>	<b>29,860,335</b>



**NATIONAL INNOVATION FOUNDATION - INDIA**  
**Regn.No.F/7412/Ahmedabad**

**SCHEDULE FORMING PART OF BALANCE SHEET AS AT March 31, 2024**

(Amount in Rs.)

<b>SCHEDULE 3 - EARMARKED/ENDOWMENT FUNDS</b>	<b>AS AT 31/03/2024</b>	<b>AS AT 31/03/2023</b>
EARMARKED/ENDOWMENT FUNDS	-	-
(Amount in Rs.)		
<b>SCHEDULE 4 - SECURED LOANS AND BORROWINGS</b>	<b>AS AT 31/03/2024</b>	<b>AS AT 31/03/2023</b>
SECURED LOANS AND BORROWINGS	-	-
(Amount in Rs.)		
<b>SCHEDULE 5 - UNSECURED LOANS AND BORROWINGS</b>	<b>AS AT 31/03/2024</b>	<b>AS AT 31/03/2023</b>
UNSECURED LOANS AND BORROWINGS	-	-
(Amount in Rs.)		
<b>SCHEDULE 6 - DEFERRED CREDIT LIABILITIES</b>	<b>AS AT 31/03/2024</b>	<b>AS AT 31/03/2023</b>
DEFERRED CREDIT LIABILITIES	-	-
(Amount in Rs.)		
<b>SCHEDULE 7 - CURRENT LIABILITIES AND PROVISIONS</b>	<b>AS AT 31/03/2024</b>	<b>AS AT 31/03/2023</b>
<b>A. CURRENT LIABILITIES</b>		
1. Sundry Creditors.		
a) For Goods	-	-
b) Others	49,265,195	-
2. Statutory Liabilities		
a) Overdue	-	-
b) Others	3,220,763	381,893
3. Other current liabilities /EMD	15,836,932	4,151,591
<b>Total (A)</b>	<b>68,322,890</b>	<b>4,533,484</b>
<b>B. PROVISIONS</b>		
Interest Payable	3,348,339	3,473,408
<b>Total (B)</b>	<b>3,348,339</b>	<b>3,473,408</b>
<b>Total (A+B)</b>	<b>71,671,229</b>	<b>8,006,892</b>





NATIONAL INNOVATION FOUNDATION - INDIA  
Regn.No.F/7412/Ahmedabad

SCHEDULE FORMING PART OF BALANCE SHEET AS AT MARCH 31, 2024

Particulars	GROSS BLOCK				DEPRECIATION			WDV Net Block As on 31-03-2024 Rs.
	Balance as on 01-04-2023 Rs.	Additions during the year Rs.	Deductions during the year Rs.	Gross Block as on 31-03-2024 Rs.	Depreciation on 01-04-2023 Rs.	Deductions during the year Rs.	Depreciation for 2023-2024 Rs.	
<b>Computers &amp; Ancillary Assets</b>								
Computers	15,543,138	1,127,436	-	16,670,574	13,927,073	-	900,016	14,827,089
Networking equipment	1,112,990	-	-	1,112,990	1,102,304	-	4,274	1,106,578
Scanner & Printer	740,432	305,651	-	1,046,083	663,768	-	100,146	763,914
Software	6,746,701	-	-	6,746,701	5,849,886	-	358,726	6,208,612
Card Printer	45,138	49,797	-	94,935	44,296	-	10,296	54,343
<b>Furniture &amp; Fixtures and Dead Stock</b>								
Furniture & Fixtures	7,356,685	1,591,836	-	8,948,521	3,789,560	-	456,133	4,245,693
Electrical Installations	179,610	-	-	179,610	102,368	-	7,724	110,092
Roller Blinds	84,565	-	-	84,565	29,083	-	5,548	34,631
Compactor_ Mobile Storage	2,390,587	-	-	2,390,587	550,303	-	184,028	734,331
<b>Office Equipments</b>								
Air Cooler	2,363,589	78,960	-	2,442,549	1,296,620	-	165,967	1,462,587
Balloon	35,438	-	-	35,438	32,574	-	430	33,004
Bio-Metric ESSL Attendance System	35,950	-	-	35,950	21,295	-	2,198	23,493
Camera	1,162,459	-	-	1,162,459	908,908	-	38,033	946,941
DG Set	755,294	-	-	755,294	452,820	-	45,371	498,191
EPABX System	200,240	-	-	200,240	129,182	-	10,659	139,841
Equipment	5,289,972	-	-	5,289,972	3,530,606	-	263,905	3,794,511
Fab Lab Equipment	25,838,496	152,997	-	25,991,493	12,882,833	-	1,966,299	14,849,132
Fax Machine	29,232	-	-	29,232	28,341	-	134	28,475
Fire Extinguisher	14,680	-	-	14,680	13,887	-	119	14,006
Hot Air Oven Machine	48,825	12,190	-	61,015	33,173	-	3,262	36,435
Photo Copying Machine	351,000	-	-	351,000	256,178	-	14,223	270,401
Public Address System	79,964	-	-	79,964	66,660	-	1,996	68,656
Projector	112,770	-	-	112,770	76,619	-	5,423	82,042
Pulviser Machine	39,000	-	-	39,000	26,498	-	1,875	28,373
Refrigerator	126,710	24,473	-	151,183	70,908	-	10,206	10,627
Sony LCD	494,492	-	-	494,492	322,931	-	5,014	327,945
Tape recorder	27,825	-	-	27,825	26,501	-	199	26,700
Telephone/mobile Instrument	307,575	-	-	307,575	258,203	-	7,406	265,609
Water Cooler	73,650	28,105	-	101,755	37,462	-	9,644	47,106
Sony Stabilizer	126,453	148,000	-	274,453	82,590	-	38,400	120,990
LED TV	335,930	-	-	335,930	156,555	-	26,906	183,461
Fan	77,221	-	-	77,221	29,001	-	7,233	36,234
Lawn Mover	32,500	-	-	32,500	10,780	-	3,258	14,038
Water Geyser	14,264	10,400	-	24,664	4,731	-	2,210	6,941
Water Tank	62,000	-	-	62,000	20,565	-	6,215	26,780
Sony Audio Recorder	20,400	-	-	20,400	13,861	-	981	14,842
Submersible Motor Pump	8,960	-	-	8,960	1,915	-	1,057	2,972
Technometer	10,000	-	-	10,000	2,775	-	1,084	3,859
Video Conferencing Camara 1080p	230,100	-	-	230,100	63,853	-	24,937	88,790
Large Format Display 138 cm LG	125,440	-	-	125,440	34,810	-	13,595	48,405
Large Format Display 247 cm LG	1,017,600	-	-	1,017,600	282,384	-	110,282	392,666
Air Filter - Eureka Forbs Aquaguard	95,842	-	-	95,842	26,596	-	10,387	36,983
Board Room AV System	641,869	-	-	641,869	48,140	-	89,059	137,199
Hydraulic Sheet Bending Machine	1,045,800	-	-	1,045,800	78,435	-	145,105	223,540



NATIONAL INNOVATION FOUNDATION - INDIA  
Regn.No.F/7412/Ahmedabad

SCHEDULE FORMING PART OF BALANCE SHEET AS AT MARCH 31, 2024

Particulars	GROSS BLOCK			DEPRECIATION			WDV Net Block As on 31-03-2024 Rs.	
	Balance as on 01-04-2023 Rs.	Additions during the year Rs.	Deductions during the year Rs.	Gross Block as on 31-03-2024 Rs.	Depreciation on 01-04-2023 Rs.	Deductions during the year Rs.		Depreciation up to 2023-24 Rs.
Pallet Truck	22,500	-	-	22,500	1,688	3,122	4,810	17,690
Semi Electric Pallet Stacker (1500 Kg)	152,000	-	-	152,000	11,400	21,090	32,490	119,510
Other Office Equipment	-	122,847	-	122,847	-	12,039	12,039	110,808
<b>Books</b>	420,390	-	-	420,390	417,694	1,618	419,312	1,078
<b>Vehicles</b>								
Activa Honda	44,168	-	-	44,168	41,135	455	41,590	2,578
Bajaj Pulsar	68,289	-	-	68,289	63,600	703	64,303	3,986
Honda city	1,037,399	-	-	1,037,399	900,905	20,474	921,379	116,020
Tata safari	1,311,519	-	-	1,311,519	1,138,958	25,884	1,164,842	146,677
Tata Indica	545,341	-	-	545,341	467,771	11,636	479,407	65,935
Mobile Exhibition Van	2,709,873	-	-	2,709,873	2,289,441	63,065	2,352,506	357,367
Hero HF Deluxe	52,547	-	-	52,547	39,303	1,987	41,290	11,257
Tractor (John Deere)	551,117	-	-	551,117	400,942	22,526	423,468	127,649
TVS Wego	58,105	-	-	58,105	44,647	2,019	46,666	11,439
Maruti Ciaz Car 2023	-	1,022,010	-	1,022,010	-	145,789	145,789	876,221
Maruti Suzuki Wagon R VXI-2023	-	553,316	-	553,316	-	41,499	41,499	511,817
<b>Total (A)</b>	<b>82,404,634</b>	<b>5,228,018</b>	<b>-</b>	<b>87,632,652</b>	<b>53,205,315</b>	<b>5,433,867</b>	<b>58,639,182</b>	<b>28,993,470</b>
<b>Fixed Assets Acquired Out of Non DST Grant</b>								
New NIF Building	13,870,427	-	-	13,870,427	3,197,134	1,067,329	4,264,463	9,605,964
Maruti CIAZ Car	770,323	-	-	770,323	297,248	70,961	368,209	402,114
<b>Total (B)</b>	<b>14,640,750</b>	<b>-</b>	<b>-</b>	<b>14,640,750</b>	<b>3,494,382</b>	<b>1,138,290</b>	<b>4,632,672</b>	<b>10,008,078</b>
<b>Grand Total (A+B)</b>	<b>97,045,384</b>	<b>5,228,018</b>	<b>-</b>	<b>102,273,402</b>	<b>56,699,697</b>	<b>6,572,157</b>	<b>63,271,854</b>	<b>39,001,548</b>
Previous Year	90,835,639	6,209,745	-	97,045,384	49,966,192	6,733,505	56,699,697	40,345,687



<b>NATIONAL INNOVATION FOUNDATION - INDIA</b>				
Regn.No.F/7412/Ahmedabad				
<b>SCHEDULE FORMING PART OF BALANCE SHEET AS AT March 31, 2024</b>				
(Amount in Rs.)				
<b>SCHEDULE 9 - INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS</b>	AS AT 31/03/2024		AS AT 31/03/2023	
INVESTMENTS FROM EARMARKED / ENDOWMENT FUNDS	-	-	-	-
(Amount in Rs.)				
<b>SCHEDULE 10 - INVESTMENTS - OTHERS</b>	AS AT 31/03/2024		AS AT 31/03/2023	
INVESTMENTS - OTHERS	-	-	-	-
(Amount in Rs.)				
<b>SCHEDULE 11 - CURRENT ASSETS/LOANS ADVANCES ETC</b>	AS AT 31/03/2024		AS AT 31/03/2024	
A. CURRENT ASSETS :				
1. Cash balances in hand (including cheques/drafts and imprest)		-		-
2. Bank balances				
a) With Scheduled Banks.				
i) On Deposit Accounts (includes margin money)				
- From NIF funds/FD	7,04,13,037		9,89,34,767	
		7,04,13,037		9,89,34,767
ii) On Savings Accounts				
- Union Bank of India,- SB A/c.No.724 & SWAP FD's	31,81,316		1,98,21,741	
- Union Bank Gandhinagar SB A/c No.8753 & SWAP FD's	9,94,00,504		45,19,270	
- Union Bank - GeM Pool Acc- 10076	3,510		3,415	
- Bank of Maharashtra (BOM)-4584	82,84,169		2,50,00,000	
		11,08,69,498		4,93,44,426
b) With non Scheduled Banks:		-		-
3. Post Office-Savings Accounts				
4. Other Advances				
- Advance to Staff/Creditors	9,69,156		12,60,403	
- Grant in AID receivable from DST	-		2,27,47,676	
- Receivable from NIFientriC	-		50,00,000	
- Receivable from DBT (IISF)	1,90,58,000			
- TDS Receivable	6,693		11,31,576	
- Security Deposit	3,60,893		3,05,443	
- Interest Receivable	9,864		5,577	
5. Prepaid Expenses	10,62,715		5,38,468	
		2,14,67,321		3,09,89,143
<b>Total</b>		<b>20,27,49,856</b>		<b>17,92,68,336</b>





<b>NATIONAL INNOVATION FOUNDATION - INDIA</b> Regn.No.F/7412/Ahmedabad		
<b>SCHEDULE FORMING PART OF INCOME &amp; EXPENDITURE A/c FOR THE YEAR ENDED March 31, 2024</b>		
(Amount in Rs)		
<b>SCHEDULE 12 -INCOME FROM SALES/SERVICES</b>	<b>FOR THE YEAR ENDED 31/03/2024</b>	<b>FOR THE YEAR ENDED 31/03/2023</b>
Income from Sales/Services	-	-
(Amount in Rs)		
<b>SCHEDULE 13 -GRANTS / SUBSIDIES</b>	<b>FOR THE YEAR ENDED 31/03/2024</b>	<b>FOR THE YEAR ENDED 31/03/2023</b>
(Irrevocable Grants & Subsidies Received)		
1) Central Government	180,800,000	109,500,000
Less : Amount Transferred to GOI DST Grant for Fixed Assets (representing expenditure on non recurring items)	5,228,018	6,209,745
Less : Unspent Grant for FY 2022-23	271,982	31,592,577
Less : Grant in Aid Received from DST	28,388,000	22,747,676
2) Project Grant (s)		
a) Asean India Grass Root Innovation Forum (IGIF)	26,175,461	22,500,000
b) Punjab State Council (GRIP Project)	1,250,000	-
c) Mukhayamantri Abhinav Krishi Jantrapati Samman Yojna	1,020,000	-
d) Innovation Yatra	3,750,000	-
e) Partner Organisation for Mission Innovation	2,070,367	-
f) India International Science Festival 2023	234,332,000	-
g) Hariom Ashram	-	(13,010,174)
h) Inspire Awards MANAK	-	25,000,000
i) DST Foundation Day	483,962	-
j) Promotion and Dissemination of HRMN-99 apple in North Eastern Region (NERCRMS)	-	3,300,000
k) NLEPC -Inspire Award Manak	28,364,799	38,227,754
l) Student Tehnology Acceleration and Realisation (STAR) - UNICEF	-	4,605,200
<b>Total</b>	<b>444,358,589</b>	<b>215,505,612</b>
(Amount in Rs)		
<b>SCHEDULE 14 - FEES / SUBSCRIPTIONS</b>	<b>FOR THE YEAR ENDED 31/03/2024</b>	<b>FOR THE YEAR ENDED 31/03/2023</b>
FEES / SUBSCRIPTIONS	-	-
(Amount in Rs)		
<b>SCHEDULE 15 - INCOME FROM INVESTMENTS</b>	<b>FOR THE YEAR ENDED 31/03/2024</b>	<b>FOR THE YEAR ENDED 31/03/2023</b>
INCOME FROM INVESTMENTS	-	-



**NATIONAL INNOVATION FOUNDATION - INDIA**  
**Regn.No.F/7412/Ahmedabad**

**SCHEDULE FORMING PART OF INCOME & EXPENDITURE A/c FOR THE YEAR ENDED March 31, 2024**

(Amount in Rs.)

<b>SCHEDULE 16 - INCOME FROM ROYALTY, PUBLICATION ETC.,</b>	<b>FOR THE YEAR ENDED 31/03/2024</b>	<b>FOR THE YEAR ENDED 31/03/2023</b>
Income from Royalty, Publication etc.,	-	-

(Amount in Rs.)

<b>SCHEDULE 17 - INTEREST EARNED</b>	<b>FOR THE YEAR ENDED 31/03/2024</b>	<b>FOR THE YEAR ENDED 31/03/2023</b>
1) On Term Deposits		
a) With Scheduled banks	5,187,369	9,018,317
b) With Non-Scheduled Banks	-	-
c) With Institutions	-	6,197
2) On Savings Accounts		
a) With Scheduled banks	184,730	129,346
b) With Non-Scheduled Banks	-	-
c) Post Office Saving Accounts	-	-
3) On Deposit		
a) Interest on Deposit	18,040	-
4) Interest on Tax Refund	34	-
<b>Total</b>	<b>5,390,173</b>	<b>9,153,860</b>



**NATIONAL INNOVATION FOUNDATION - INDIA**  
Regn.No.F/7412/Ahmedabad

**SCHEDULE FORMING PART OF INCOME & EXPENDITURE A/c FOR THE YEAR ENDED March 31, 2024**

(Amount in Rs.)

<b>SCHEDULE 18 - OTHER INCOME</b>	<b>FOR THE YEAR ENDED 31/03/2024</b>	<b>FOR THE YEAR ENDED 31/03/2023</b>
1) Miscellaneous Income/Tender Fees/Scrap	500,000	11,964
2) Technology Transfer Income	-	-
3) Other Income	-	69,347
4) Overhead Benefit Sharing	9,389,348	4,122,358
<b>TOTAL</b>	<b>9,889,348</b>	<b>4,203,669</b>

(Amount in Rs.)

<b>SCHEDULE 19 - INCREASE/(DECREASE) IN STOCK OF FINISHED GOODS AND WIP</b>	<b>FOR THE YEAR ENDED 31/03/2024</b>	<b>FOR THE YEAR ENDED 31/03/2023</b>
Increase/(Decrease) in stock of Finished Goods and WIP	-	-

(Amount in Rs.)

<b>SCHEDULE 20 - ESTABLISHMENT EXPENSES</b>	<b>FOR THE YEAR ENDED 31/03/2024</b>	<b>FOR THE YEAR ENDED 31/03/2023</b>
A) Salaries and wages	15,135,550	12,529,800
B) Allowances and Bonus	9,146,675	6,735,350
C) Contribution to Provident Fund	-	-
D) Contribution to Other Fund (Specify)		
i) Employer's NPS Contribution	3,112,983	2,416,648
E) Expenses on Employees Retirement and terminal Benefits	-	-
F) Others (Specify)		
i) Fellowship and Contractual Payment	-	-
ii) Leave Encashment/Leave Travel Concession	90,312	252,760
iii) Medical reimbursement/Medical treatment Exp.	403,533	430,064
Less : Recovery towards Fellowship and Contractual Payment Under Projects	-	-
<b>TOTAL</b>	<b>27,889,053</b>	<b>22,364,622</b>





NATIONAL INNOVATION FOUNDATION - INDIA Regn.No.F/7412/Ahmedabad		
SCHEDULE FORMING PART OF INCOME & EXPENDITURE A/c FOR THE YEAR ENDED March 31, 2024		
(Amount in Rs.)		
SCHEDULE 21 -RECURRING AND ADMINISTRATIVE EXPENSES ETC	FOR THE YEAR ENDED 31/03/2024	FOR THE YEAR ENDED 31/03/2023
<b>Part A - Recurring Expenses</b>		
<b>1. Business Development</b>		
Student Involvement for Business Plans	-	-
Travel (BD)	-	-
<b>Sub Total</b>	<b>-</b>	<b>-</b>
<b>2. Dissemination &amp; Social Diffusion</b>		
Demonstrations (Dnsd)	6,241,782	9,002,830
Diffusion of Practices Through Farmers /media /KVK	-	-
Exhibitions & Innovation exhibition	-	2,385,332
Printing & Publication	-	-
Travel (Dissemination)	1,213,107	1,194,950
Workshop/Meetings (Dissemination)	-	867,974
<b>Sub Total</b>	<b>7,454,889</b>	<b>13,451,086</b>
<b>3. IPR and Law</b>		
Filing National Patent Applications	7,704,693	5,804,574
Filing Trade Mark and Geographical Applications	-	1,500
Travel (IPR)	-	15,937
<b>Sub Total</b>	<b>7,704,693</b>	<b>5,822,011</b>
<b>4. IT &amp; Database</b>		
Computer Maintenance & Upgradation	807,073	829,391
Database & Software Dev , Proof Reading	679,257	940,647
Internet & Website	230,139	38,591
Travel & Transportation (IT)	-	1,615
<b>Sub Total</b>	<b>1,716,469</b>	<b>1,810,244</b>
<b>5. Scouting &amp; Documentation</b>		
Advertisement- Regional and National	314,216	1,768,212
Collaborators	-	-
Experts / Mentors Meetings (S&D)	30,000	20,000
Dr. APJ Abdul Kalam Ignite Awards	-	-
Accommodation	98,197	258,225
Printing and Stationery	6,560	-
Sample / Prototype Collection & Identification	-	-
Travel (S&D)	1,669,454	1,654,097
Verification / Detailed Documentation	-	-
Scouting Through Staff & Other Inst	11,278,826	12,240,102
Workshops & Meetings (S&D)	-	341,135
Workshops and Publications	-	-
<b>Sub Total</b>	<b>13,397,253</b>	<b>16,281,771</b>



**NATIONAL INNOVATION FOUNDATION - INDIA**  
Regn.No.F/7412/Ahmedabad

**SCHEDULE FORMING PART OF INCOME & EXPENDITURE A/c FOR THE YEAR ENDED March 31, 2024**

(Amount in Rs.)

SCHEDULE 21 -RECURRING AND ADMINISTRATIVE EXPENSES ETC	FOR THE YEAR ENDED 31/03/2024	FOR THE YEAR ENDED 31/03/2023
<b>6. Value Addition and Research &amp; Development</b>		
Administrative Exps - VARD	373,677	305,072
Experts /mentors Meetings (Vard)	227,888	303,570
Prior Art Search, Validation of Innovations	-	-
Testing of Prototypes / Products	5,274	-
Travel (VARD)	2,606,317	2,700,890
Value Addition and Product Development	32,126,337	24,841,172
<b>Sub Total</b>	<b>35,339,493</b>	<b>28,150,704</b>
<b>7. Festival of Innovation &amp; Entrepreneurship (FINE)</b>		
Exhibition and Other Exps	10,910,875	-
Prize Money and Awards	5,546,956	-
Accomodation	3,395,365	-
Travel and Transportation	2,315,464	26,793
printing and stationery	10,620	-
<b>Sub Total</b>	<b>22,179,280</b>	<b>26,793</b>
<b>TOTAL (A)</b>	<b>87,792,077</b>	<b>65,542,609</b>
<b>Part B - Other Administrative Expenses :-</b>		
Internal and Concurrent Audit Fees	50,000	44,000
Manpower	17,302,783	16,112,407
Meeting And Conferences	133,600	395,419
Bank Charges	3,453	18,735
Building repairing charges	-	-
Electricity and Power	1,035,958	942,587
Interest and Penalty	224	378
Insurance Expenses	1,031,687	1,105,471
Legal Charges	-	-
Office Expenses	1,081,592	905,315
RTI Audit charges	59,000	-
Postage Expenses	146,323	151,945
Printing and Stationary	405,025	622,432
Professional Charges	153,510	271,350
Housekeeping	1,689,854	1,280,583
Rent, Rates and Taxes	60,001	1
Rent (ROBBN)	585,000	495,000
Rent (RODDN)	519,601	578,000
Security Expenses	3,298,695	2,741,742
Telephone and Communication Charges	58,264	69,255
Travel Expenses	3,286,317	1,897,029
Vehicles Running and Maintenance	515,542	447,011
11th Biennial Awards	-	-
Loss on Sale of Fixed Assets	-	-
Loss On Disposal Of Fixed Assets	-	-
<b>TOTAL (B)</b>	<b>31,416,429</b>	<b>28,078,660</b>



**NATIONAL INNOVATION FOUNDATION - INDIA**  
Regn.No.F/7412/Ahmedabad

**SCHEDULE FORMING PART OF INCOME & EXPENDITURE A/c FOR THE YEAR ENDED March 31, 2024**

(Amount in Rs.)

<b>SCHEDULE 21 -RECURRING AND ADMINISTRATIVE EXPENSES ETC</b>	<b>FOR THE YEAR ENDED 31/03/2024</b>	<b>FOR THE YEAR ENDED 31/03/2023</b>
<b>Part C - Project Expenses :-</b>		
Asean India Grass Root Innovation Forum (IGIF)	27,479,514	26,183,920
DST Foundation Day	483,962	-
Development, Characterization & Validation of Anti-hypertensive Knowledge & Grassroots Innovation DBT Project for Nano - Technology Based Herbal	-	811,726
Design Innovation Centre (IISC)	-	839,010
Punjab State Council (GRIP Project)	1,250,892	-
India International Science Festival 2023	235,907,923	-
Innovation Yatra	3,787,356	-
Inspire Award MANAK	50,494,479	42,058,588
Mukhya Mantri Abhinav Krishi Jantrapati Samman	641,993	-
Student Technology Acceleration and Realisation (STAR)- UNICEF Project	4,055,813	745,586
Partner Organisation for Mission Innovation	2,070,367	-
National Level Exhibition and Project Competition (NLEPC)	24,375,655	37,631,712
<b>TOTAL (C)</b>	<b>350,547,955</b>	<b>108,270,542</b>
<b>TOTAL (A+B+C)</b>	<b>469,756,461</b>	<b>201,891,811</b>

(Amount in Rs.)

<b>SCHEDULE 22 - EXPENDITURE ON GRANTS, SUBSIDIES ETC</b>	<b>FOR THE YEAR ENDED 31/03/2024</b>	<b>FOR THE YEAR ENDED 31/03/2023</b>
EXPENDITURE ON GRANTS, SUBSIDIES ETC	-	-

(Amount in Rs.)

<b>SCHEDULE 23 -INTEREST EXPENSE</b>	<b>FOR THE YEAR ENDED 31/03/2024</b>	<b>FOR THE YEAR ENDED 31/03/2023</b>
Interest to consolidated fund of India	660,211	2,215,805
Interest to MMJKY Project	31,431	-
Interest to GRIP Project	42,265	-
Interest to Hariom Ashram	-	-
Interest to UNICEF (STAR)	-	73,812
Interest to ASEAN- IGIF	53,915	65,350
Interest to ASEAN- India Science & Tech Dev	1,399,930	1,118,441
<b>TOTAL</b>	<b>2,187,752</b>	<b>3,473,408</b>





**NATIONAL INNOVATION FOUNDATION - INDIA**  
**Regn.No.F/7412/Ahmedabad**  
**RECEIPTS AND PAYMENTS FOR THE YEAR ENDED March 31, 2024**

RECEIPTS	2023-24	2022-23	PAYMENTS	2023-24	2022-23
<b>I. Opening balances</b>			<b>I. Establishment Expenses</b>	24,946,966	20,078,240
<b>1) Cash in Hand</b>	-	-	<b>II. Administrative Expenses</b>	129,713,664	129,448,939
<b>2) Bank Balances</b>			<b>III. Fixed Assets (Additions)</b>	34,349	2,156,304
a. Union GeM Pool Account - 10076	3,415	3,320	<b>IV. A) Remittances/ Refunds etc.,</b>		
b. Union Bank A/C No.606802010000724 (Including SWAP Balance)	19,821,741	54,167,291	a) Earnest Money Deposit & security Deposits & S. Creditors	314,591,042	77,187,137
c. Union Bank A/c No. 359302010108753 (Including SWAP Balance)	4,519,270	27,812,278	<b>B) Remittances/Refunds etc.,</b>		
d. Bank of Maharashtra (BOM)-4584	25,000,000		a) NPS. Employees Deductions	2,573,251	1,885,807
<b>II. Grants-in-aid from DST, Govt of India</b>	460,139,222	203,132,954	b) Receivable		
<b>III. Interest Received</b>			c) Income Tax Deducted at source from staff, contractor & rent and Professional Tax	13,910,520	8,594,907
A) On SB Accounts and Auto Sweep	184,730	129,346	e) Advances to Staff & Others	36,693,390	7,610,771
B) On Fixed /Term Deposits	677,258	1,918,833	f) Corpus Refund with interest	-	-
<b>IV. Other Income</b>			g) NPS Payable	3,602,547	2,640,130
A) Other Interest	7,114	-	h) Prepaid Expenses	585,280	2,675
B) Miscellaneous Receipts	-	377,614	i) Provisions & O/S	2,239,009	2,025,558
<b>V. Other Recoveries etc.,</b>			j) Other Deductions	1,929,464	44,947,184
A) Earnest Money Deposit & Security Deposit & S Creditors	36,146,106	6,339,661	<b>V. Investments</b>		
B) Investments	1,251,114	-	Fixed/Term Deposits & margin Money	-	-
C) ii) Income Tax Deducted at source from staff, contractor & rent and Professional Tax	12,515,124	7,080,850	<b>VI. Earmarked Project Expenses</b>	-	-
iii) Advance to Suppliers/other etc.	500,000	-	<b>VIII. Closing Balances</b>		
iv) Staff Advance/Innovators Loan Recovery	41,608,707	2,017,819	<b>1) Cash in Hand</b>	-	-
v) NPS Deduction	2,573,251	1,885,807	<b>2) Bank Balances</b>		
vi) TDS Receivable	616	-	a. Union Bank A/C No.606802010000724 (Including SWAP Balance)	3,181,316	19,821,741
vii) Other Deductions	489,564	223,482	b. Union GeM Pool Account - 10076	3,510	3,415
<b>D) i) Establishment receipts</b>	170,896	130,266	c. Union Bank A/c No. 359302010108753 (Including SWAP Balance)	99,400,504	4,519,270
ii) Other administrative receipts	3,406,317	1,598,971	d. Bank of Maharashtra (BOM)-4584	8,284,169	25,000,000
<b>VI. Deposit With Bank</b>					
A) Fixed/ Term deposits matured	32,674,536	39,103,586			
<b>VII. Grants/ Financial Assistances received for Earmarked projects</b>	-	-			
	641,688,980	345,922,078		641,688,980	345,922,078

As per our report of even date

For H P & Co

Chartered Accountants

Firm Registration No. 129106W

CA Pankaj R. Patel

Partner

Membership No. 120819

UDIN : 24120819BKAHHE7662

Place : Ahmedabad

Date : 03-09-2024



**NATIONAL INNOVATION FOUNDATION - INDIA**

Dr Arvind C Ranade

Director NIF

# NATIONAL INNOVATION FOUNDATION – INDIA

Reg. No. F/7412/Ahmedabad

**DRAFT SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED 31<sup>ST</sup> MARCH 2024**

**DRAFT SCHEDULE 24: SIGNIFICANT ACCOUNTING POLICIES AND NOTES ON ACCOUNTS**

## **OVERVIEW:**

The National Innovation Foundation (NIF) - India was set up in March 2000 with the assistance of Department of Science and Technology, Government of India. It is India's national initiative to strengthen the grassroots technological innovations and outstanding traditional knowledge. Its mission is to help India become a creative and knowledge-based society by expanding policy and institutional space for grassroots technological innovators. The main object of the Centre, inter-alia, are to conduct basic and applied research in Nano and soft matter sciences and specifically focused on a variety of metal and semi-conductor nanostructures, liquid crystal, membranes and hybrid materials.

## **A. SCHEDULE 24 - SIGNIFICANT ACCOUNTING POLICIES**

### **1. Accounting convention:**

The financial statements are drawn up in accordance with historical accounting conventions and on the going concern concept. Accrual method of accounting is followed to record Income and Expenditure.

The guidelines as per the uniform Format of Accounts for Central Autonomous Institutions, as applicable and to the extent practicable, are followed in the presentation of the financial statements of the Institute.

### **2. Basis of Accounting:**

The financial statements are prepared under the historical cost convention, on the accrual basis of accounting in conformity with the generally accepted accounting principles in India (Indian GAAP) as applicable and the relevant provision of the Bombay Public Trust Act, 1950 and in accordance with the guidelines on accounting for the central autonomous bodies, issued by Ministry of Finance. The accounting policies consistently applied by the foundation and the accounting policies not referred to otherwise are in conformity with Indian GAAP.

### **3. Revenue recognition:**

All income and expenditure are recognized on accrual basis except in case of specific and conditional Grants. The un-spent amount of such Grant is liable to be re-directed as per the direction of the Donor organizations.



Interest earned, administrative fund of projects and other income during the year has been credited to innovation funds which is adjusted against the facility/infrastructure created for the institute.

#### **4. Investment:**

Investments are stated at cost and interest from investment are accounted on accrual basis.

#### **5. Fixed Assets:**

Fixed assets other than acquired from Earmarked Funds are stated at Written down value.

Fixed Assets are accounted at cost of acquisition, inclusive of inward freight, duties, taxes and incidental expenses related to acquisition.

Fixed assets received by way of non-monetary grants (other than toward the corpus fund), are capitalized at values stated, by corresponding credit to capital reserve. Fixed assets received by way of Earmarked Fund (other than toward the corpus fund), are adjusted at values stated, by corresponding credit to Earmarked Funds. Utilization of Innovation fund for creating facility/infrastructure is not forming part of Assets Schedule. Fixed Assets acquired out of Non DST Funds are capitalized as part of asset schedule and the depreciation on the same is charged to overhead/benefit sharing.

#### **6. Depreciation:**

Depreciation provided on written down value as per rates and method specified in the Income Tax Act, which is coincide with useful life of assets. In respect of additions to/deductions from fixed assets during the year, depreciation is considered as per Income Tax Act. Any change due to correction in rate of depreciation has been affected by the corresponding debit to the Depreciation fund and Credit to Income and Expenditure Account.

#### **7. Government Grants/ Subsidies:**

Government grants of the nature of contribution toward capital of setting up projects are treated as capital reserve. Grants in respect of specific fixed assets acquired are shown as deduction from the cost of the related assets. Government grants/subsidy are accounted on realization basis. Plan grant received for during the year are credited to revenue account except grant utilized for acquisition of capital assets during the year is credited to respective "Capital Fund" account. During FY 2023-24, Fixed Assets amounting to Rs. 52,28,018/- is acquired out of DST Grant.

#### **8. Income Tax:**

The institute is registered under section 12A of the Income Tax Act, 1961 and is eligible for exemption from tax and hence no provision has been made towards Income Tax.





### **9. Retirement Benefits:**

No provision has been made in respect of the Leave Encashment and Gratuity liability in the accounts as required by AS15. However, the same is accounted on cash basis as and when the liability is discharged.

### **10. Allocation/Transfer to Earmarked Project Funds:**

The Institute has a policy to transfer interest earned on investments relating to project funds, to earmarked project funds, to recognize the interest attributable to those funds. To meet exigencies in project related expenditure, an allocation called "Overhead/Benefit sharing" is maintained under Ear marked funds and allocation of funds to any project is made out of the said allocation.

### **11. Earmarked Fund:**

Funds/ grant received for the specific project are credited to separate account and the utilization of the same also debited to respective funds/grand accounts. Outstanding of those funds/grants shows amounts still to be incurred on running projects. Further grant is yet to be released in respect of project which shows debit balance.

### **12. Fellowship and scholarships:**

Sponsored fellowship and scholarships are accounted against the sponsored project fund/grant. Fellowships and scholarship paid out of the organization funds are treated as revenue expenditure and debited and debited to "Establishment Expenses".

### **13. Expenditure on Technology Acquisition:**

Payments made for acquisition right in innovated products from the innovators for making it available to public at large at low cost or no cost are charged to revenue in the year of payment as recurring expenditure.

## **B. NOTES ON ACCOUNTS:**

1. Claims against the center not acknowledged as debts Rs. Nil (Previous year Rs. Nil).
2. Foreign currency transactions are translated at the rates prevailing on the date of transaction. During financial year 2023-24 Rs. 2,44,57,228/-.
3. Balance shown under Saving Bank Accounts Include amount held by Bank under "Auto sweep accounts".
4. Fixed assets acquired out of grant-in-aid/allocation fund available amounting to Rs. Nil /- (P. Y. Rs. Nil). No Depreciation is provided on fixed assets acquired out of Earmarked/project funds. Assets procured out of Non DST Funds are shown separately under schedule of Fixed Assets as "Assets Acquired Out of Non DST Grants" and depreciated at appropriate rates, the depreciation charged on the same has been charged to "Overheads and Benefit Sharing" under Earmarked Funds.



5. Income tax: The center is registered under section 12A of the Income tax Act, 1961 and is eligible for exemption from tax and hence no provision has been made towards Income tax.
6. Figures are rounded off to the nearest rupee.
7. The financial statement is being represented in line with requirement of DST Auditor requirement of previous year figures to be presented without regrouping.
8. Schedules 1 to 24 are annexed to and form an integral part of the balance sheet as at 31/03/2024 and the income and expenditure account for the year ended on that date.

**For H P & Co**

**Chartered Accountants  
Firm Registration No. 120819W**



**CA Pankaj R. Patel  
Partner  
Membership No. 120819  
UDIN: 24120819BKAHHE7662  
Place: Gandhinagar  
Date: 03-09-2024**

**For, National Innovation Foundation -  
India**

**Dr. Arvind C Ranade  
Director NIF**







Srinagar

NIF, Gandhinagar, HQ

Regional Office

NOIDA

Guwahati

Gandhinagar

Bhubaneswar



Closing Ceremony

India Grassroots Innovation Forum  
Langkawi, Malaysia



AIGIF 2023

**National Innovation Foundation - India**

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