

GOVERNMENT OF INDIA  
 MINISTRY OF SCIENCE AND TECHNOLOGY  
 DEPARTMENT OF SCIENCE & TECHNOLOGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 919**  
 ANSWERED ON 27/07/2023

**SCHEMES LAUNCHED UNDER THE MINISTRY**

919. # SMT. KANTA KARDAM:

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) the year-wise details of the schemes launched by Government under the Ministry of Science and Technology from 2019 till date along with the targets set and the achievements made with regard to each of the said schemes;

(b) the State-wise details of the proposals received from various States and the proposals approved by the Union Government under the schemes sponsored by the Ministry; and

(c) whether Government has fixed any time limit to complete the pending schemes and if so, the details thereof?

**ANSWER**

MINISTER OF STATE (INDEPENDENT CHARGE)  
 FOR THE MINISTRY OF SCIENCE AND TECHNOLOGY  
 (DR. JITENDRA SINGH)

(a) The year-wise details of the schemes/programmes launched by the Government under the Ministry of Science and Technology from 2019 till date along with the targets set and the achievements made with regard to each of the said schemes are as given below:

Year	Name of the Scheme/Programme	Targets set	Achievements made
2019	SATHI	To establish 3 to 4 new centres every financial year	03 established so far
2019	National Mission- Interdisciplinary Cyber Physical Systems (NM-ICPS)	Technology Development	6822
		Entrepreneurship Development	256177
		Human Resource Development	30632
		International Collaboration	101
2019	Vigyan Jyoti	55000 girls	Programme is implemented in 250 Districts of the country and since inception more

			than 50000 girls of class IX-XII got benefitted.
2019	Gender Advancement for Transforming Institutions (GATI)	30 Institutions in Pilot	Provided mentoring to 30 Indian institutions for gender equality.
2019	i. Science and Engineering Research Board (SERB) - Scientific and Useful Profound Research Advancement (SUPRA) ii. SERB Science and Technology Award for Research (SERB-STAR) iii. Start-Up Research Grant (SRG)	i. SERB-SUPRA aims to explore new scientific breakthroughs, with long-term impact on our fundamental scientific understanding, and offer disruptive technologies at the cutting edge. ii. SERB-STAR is an initiative to acknowledge exemplary contributions in research and also to motivate the PIs of ongoing projects for outstanding performance. iii. SRG scheme aims to assist researchers to initiate their research career in a new institution.	Since, 2019 SERB has sanctioned 77 projects under SUPRA, 58 projects under SERB-STAR and 1825 project under SRG.
2019	BIRAC's Regional Techno-Entrepreneurship Centre (BRTC) for East & North East Region	Promoting entrepreneurship in the East & North East Regions of the Country	During last 4 years, BRTC has conducted 100+ entrepreneurial roadshows, startup training programs, design workshops and rural women training programs across the East and North East Region of India.
2019	Biotechnology Ignition Grant (BIG) special call for North East Region	To fund and support early stage startups working in/for North East Region.	35 entrepreneurs/ startups supported from 2 special calls in December 2019 & August 2022.
2019	BIRAC-Social Alpha Quest for Assistive Technologies	BIRAC, along with Social Alpha (Philanthropic arm) and Mphasis (Industry) in June 2019 launched this program to identify and support start-ups with market access, clinical Trials/validation, and design for manufacturing support.	13 Startup Products for the Assistive Technology sector, such as for speech and hearing impairment, locomotor disability, visual impairment and intellectual disability for children and adults have reached market and commercialized (Program has been completed).
2020	Climate Change Programme (include implementation of two national missions on climate change)	Establishment/Strengthening of 4 State Climate Change Cells (SCCCs) in Phase II	Established Phase II of 4 SCCC's – Punjab, Sikkim, Manipur and Tripura

2020	<ul style="list-style-type: none"> <li>i. IMPRINT IIC2 (Consortium)</li> <li>ii. MATRICS Special Call on COVID -19</li> <li>iii. National Science Chair (NSC)</li> <li>iv. Short term Special Call on COVID -19</li> </ul>	<ul style="list-style-type: none"> <li>i. Consortium mode (IMPRINT IIC.2) (single-stage review) promising to develop an industry/community scale solution (a machine, reactor, process) that can be directly implemented in the field for demonstration and use.</li> <li>ii. MATRICS COVID-19: focused on emerging health care requirements to combat the COVID-19 epidemic.</li> <li>iii. National Science Chair (NSC) aim to support for excellence in R&amp;D activities of eminent senior superannuated scientists with passion in S&amp;T research.</li> <li>iv. Short term Special Call on COVID -19 to address to challenges created by COVID 19 pandemic preferably with multidisciplinary efforts.</li> </ul>	Since, 2020 SERB has sanctioned 4 projects under IMPRINT IIC.2, 38 projects under MATRICS Special Call on Covid-19, 13 projects under NSC and 63 project under Short term Special Call on COVID -19.	
2020	MK Bhan-Young Research Fellowship Program (MKB-YRFP)	50 fellowships annually	48 fellows joined	
2020	E-YUVA (Empowering Youth for Undertaking Value Added Innovation Translational Research) scheme	To provides support for setting up pre-incubation Centre's within University set up and fellowship support to E-YUVA students at UG level.	10 E-YUVA Center's set up and ~250 E-YUVA fellow beneficiaries.	
2020	BIRAC innovation Challenge Award-SoCH (Solutions for Community Health):	BIRAC and Social Alpha along with BIRAC's Bio-NEST Incubator partner Clean Energy International Incubation Centre (CEIIC) launched 2nd call of BIRAC-Innovation Challenge award-SoCH (Solution for Community Health) in March 2020 to identify and facilitate Indian innovators offering clean cooking solutions with national and global relevance.	Two innovative clean cooking solutions have reached market.	
2021	NIDHI-Inclusive Technology Business Incubator (i-TBI) program	To support 15 start-up incubation centres in academic setups primarily located in Tier II and Tier III cities	20	
2021	STUTI	Training to the researcher (in numbers)	7500	8573
		Awareness to school students (in numbers)	7500	11441
2021	Climate Change Programme	Establishment/Strengthening of 2 SCCCs (Phase II)	Established Phase II of 2 states- Mizoram, Himachal Pradesh	

2021	<p>i. SERB POWER (Promoting Opportunities for Women in Exploratory Research) Grant</p> <p>ii. SERB Power Fellowship</p> <p>iii. SERB-TETRA (Technology Translation Award)</p>	<p>i. SERB - POWER is aimed to mitigate gender disparity in science and engineering research funding in various S&amp;T programs in Indian academic institutions and R&amp;D Laboratories.</p> <p>ii. SERB-TETRA aims to provide award to competitively funded Core Research Grants (CRG) and similar projects, holding potential and promise for translation at TRL 5 or beyond.</p>	<p>Since, 2021 SERB has sanctioned 332 projects under SERB Power Grant, 70 projects under SERB Power Fellowship and 29 projects under SERB-TETRA.</p>
2022	<p>Establishment of Community Resilience Resource Centres (CRRC)</p>	<p>To build Science Technology and Innovation (STI) capacities and capabilities of the communities</p> <p>Target: 75 by December 2023</p>	<p>25 have been established, and another 42 have been recommended</p>
2022	<p>SUPREME</p>	<p>To provide support for upgradation/maintenance of existing facilities (4 numbers)</p>	<p>91 proposals have been received for consideration</p>
2022	<p>WISE Post-Doctoral Fellowship (WISE-PDF)</p>	<p>150</p>	<p>Received 619 proposals for consideration</p>
2022	<p>WISE Internship in IPR (WISE-IPR)</p>	<p>100</p>	<p>Received more than 2700 applications for consideration</p>
2022	<p>Climate Change Programme</p>	<p>Establishment/Strengthening of 11 SCCCs (Phase I/II)</p>	<p>a. Established 4 SCCC in the states of Uttar Pradesh, Goa, Jharkhand and Chandigarh (UT)</p> <p>b. Established/Strengthened Phase II of SCCC in the Himalayan and non-Himalayan states/UTs - J&amp;K, Meghalaya, West Bengal, Arunachal Pradesh, Karnataka, Kerala and Puducherry</p>
2022	<p>i. Fund for Industrial Research Engagement (SERB-FIRE)</p> <p>ii. SERB International Research Experience (SIRE)</p> <p>iii. SERB Power Mobility</p>	<p>i. SERB-FIRE with support from industry members, intends to address the challenges in the research and innovation space</p> <p>ii. SIRE aims to build national capacity in frontier areas of Science and Technology by providing opportunities for International R&amp;D experience by SIRE fellows.</p> <p>iii. SERB Power Mobility aims to impart high-end research training and collaborative research to select women scientists in</p>	<p>Since, 2022 SERB has sanctioned 42 projects under SERB-FIRE, 147 projects under SIRE and 64 projects under Special Call for Proposals. SERB-SURE call was announced on August, 2022, during the call total 5593 proposals have been received.</p>

	<p>iv. SERB Power Translation</p> <p>v. Special Call for Proposals</p> <p>vi. State University Research Excellence (SERB-SURE)</p>	<p>frontier areas of Science and Technology through providing opportunity to visit leading institutions/ universities across the globe for a period of 01-03 months.</p> <p>iv. SERB Power Translation is to build STI-enabled entrepreneurship competence in Indian women scientists.</p> <p>v. Special Call for Proposals on <b>Wearable Electronics for Biomedical Applications, Reagent less Organic Synthesis, Selective Fluorination Strategies, Biology of Plants under extreme environments</b></p> <p>vi. SERB-SURE scheme provides research support to active researchers belonging to state universities and colleges including private universities and colleges across India to undertake research and development in frontier areas of science, engineering and quantitative social science.</p>	
2022	Amrit Grand Challenge जलCARE program	DBT/BIRAC, Ministry of Electronics & Information Technology (MeitY), and The National Association of Software and Service Companies (NASSCOM), in collaboration with Grand Challenges India (GCI), IKP Knowledge Park and several other partners launched this program to identify and support Digital Health tech Start-ups / Individuals / Companies for strengthening the healthcare ecosystem in India, importantly in tier-2 & 3 cities and rural settings. Innovations in Telemedicine, Digital Health, mHealth with Big Data, AI ML, blockchain and other technologies.	90 startups have been selected for funding.
2022	Grand Challenges in Agri-technology Translation for Boosting Farmers' Income	BIRAC in partnership with IKP Knowledge Park has launched a Grand Challenge in "Agri-technology Translation to Boost Farmers' Income" in 2022 with the mandate to identify 'ready to deploy' and 'scalable innovations' in agriculture that will help in increasing the incomes of farming households.	Against the call for the Program, 10 technologies have been shortlisted for funding.
2023	WIDUSHI	30	Launched in June 2023 and received 9 proposals so far
2023	WISE Fellowship for Ph.D. (WISE-PhD)	100	Launched in June 2023 and received 38 proposals so far

(b) All the schemes/programmes being implemented under the Ministry are part of the Central Sector Schemes and therefore no proposal has been sponsored to the states by the Ministry. However, proposals from states are invited for establishment of State Climate Change Cells under Climate Change Programme

as part of a Central Sector Scheme “Research and Development”. In this regard, the details of the proposals from States & Union Territories received as well as approved are as presented below:

<b>Name of the state</b>	<b>Title of the Proposal</b>
Punjab	State Climate Change Knowledge Centre
Sikkim	Establishing/Strengthening the State Climate Change Cell under NMSHE in the State of Sikkim (Phase-II)
Manipur	Strengthening of State Climate Change Cell of Manipur under National Mission for Sustaining of Himalayan Eco-system (NMSHE) – 2nd PHASE
Tripura	Strengthening of Tripura climate change cell under national mission for sustaining of Himalayan eco-system (NMSHE)
Mizoram	Strengthening the state climate change cell under NMSHE [SCCC (2nd Phase)-NMSHE] for the state of Mizoram
Himachal Pradesh	Strengthening the state climate change cell under NMSHE [SCCC (2nd Phase)-NMSHE] for the state of Himachal Pradesh
Uttar Pradesh	Establishing the State Climate Change Centre/Cell under NMSKCC SCCC-NMSHE in the State of Uttar Pradesh
Chandigarh (UT)	Establishment of Climate Change Centre in UT Chandigarh
Goa	Establishing the State Climate Change Cell under NMSKCC (SCCC-NMSKCC) in the State of Goa
Jharkhand	Establishing/Strengthening the State Climate Change Centre/Cell under NMSKCC (SCCC-NMSKCC) in the State of Jharkhand
Jammu & Kashmir (UT)	Strengthening the state climate change cell under NMSHE [SCCC(2nd phase)] for the UT of Jammu & Kashmir
Meghalaya	Establishing/Strengthening the State Climate Change Centre/Cell Under NMSHE (SCCC-NMSHE) in the State of Meghalaya
West Bengal	Establishing/Strengthening the State Climate Change Centre/Cell Under NMSHE (SCCC-NMSHE) in the State of West Bengal
Arunachal Pradesh	Strengthening State Climate Change Cell of Arunachal Pradesh under National Mission for Sustaining of Himalayan Eco-System (NMSHE)
Karnataka	Establishing /Strengthening the State Climate Change will under NMSKCC in State of Karnataka
Kerala	Strengthening of the State Climate Change Centre/Cell under NMSKCC SCCC-NMSKCC in the State of Kerala
Puducherry	Establishing /Strengthening the State Climate Change Will Under NMSKCC in the U.T. of Puducherry

(c) All the schemes as approved by the Expenditure Finance Committee are being effectively implemented and as such there is no scheme/programme in the Ministry pending to be implemented.

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