

COMPLETED PROJECTS OF CSIR-CSIO DURING FY 2024-25

(As on 31.03.2025)

(Rs in lakhs)

Externally Funded Projects

S. No.	Title of the Project	Project Number	Date of Start	Probable Date of Completion	Total Commitment & Sponsor	Project Leader
1.	Setting up of NABL accredited Modern Lab at Chandigarh/ Panchkula	CNP 0023	29.10.2021	28.10.2024 (Completed)	24.5 FCI, New Delhi	Dr. Anupma Sharma
2.	Setting up of NABL accredited Modern Lab at Raipur, Chhattisgarh	CNP 0025	02.12.2021	25.11.2024 (Completed)	24.4 FCI, Mumbai	Dr. Udaybir Singh
3.	Setting up of NABL accredited Modern Lab at Hyderabad, Telangana	CNP 0026	20.12.2021	13.12.2024 (Completed)	24.34 FCI, Chennai	Dr. Udaybir Singh
4.	Setting up of NABL accredited Modern Lab at FCI Regional Centre, Bhubaneswar	CNP 0027	20.12.2021	19.12.2024 (Completed)	24.45 FCI, Bhubaneswar	Dr. Preetismita Borah
5.	Consultancy on Electro-Opto-Mechanical Systems, Operational & Maintenance Strategies, Performance Optimization and Reliability Assessment of Marine Sighting Systems	CNP 0029	12.07.2023	11.05.2024 (Completed)	35.000 M/s Paras and Defence and Space Technologies Ltd., Navi Mumbai, Maharashtra	Dr. Amol P. Bhonekar
6.	Design & Development of LED based Drogue Light for LCA AF Mk-1	GAP 0387	20.03.2018	30.09.2024 (Completed)	251.288 ADA, Bangalore	Dr. Harry Garg
7.	Development Study of FBG based Snow Surface Temperature Sensor for Forecasting of Avalanche Activity	GAP 0436	03.12.2020	02.05.2024 (Completed)	10.050 SERB, DST, New Delhi	Dr. Umesh Kumar Tiwari
8.	GaonKapaniGaon Main - HarGharKoNal se SaphJal - Affordable IoT- enabled Water Service Delivery Measurement and Monitoring Sensing System for Rural Deployment	GAP 0449	01.01.2022	28.02.2025 (Completed)	299.35 Ministry of Jal Shakti, Govt. of India, New Delhi	Dr. Baban Kumar S. Bansod

9.	Monitoring of the project "Development of Multiuse Smart Eyecare Diagnostic Solution" (PRISM-11012/37/2021-PRISM-DSIR) sanctioned to Dr Varsha Singh from New Delhi	GAP 0453	01/04/2022	31/03/2024 (Completed)	1.744 DSIR, New Delhi	Mr. Narinder Singh
10.	Design & Development of portable devices for estimation of portable devices for estimation of life and color index of Lac samples	GAP 0455	13/04/2022	12/04/2024 (Completed)	20.000 NABARD, Ranchi	Mr. Saurav Kumar
11.	Development of Reflective Optics for Nanofocusing of Soft X-Rays based on mirrors using Micromachining process chain	GAP 0458	10/03/2022	09/03/2025 (Completed)	18.000 SERB - DST, New Delhi	Dr. Neha Khatri
12.	Optical biosensors based on grapheme oxide for detection of pathogens	GAP 0462	11/04/2022	10/04/2024	46.000 SERB - DST, New Delhi	Mr. A Robert Sam
13.	Fully Automated Device for Performing Exchange Transfusion through Umbilical Venous Route in Neonates: Evaluation of Safety and Efficacy	GAP 0463	27/07/2022	26/07/2024 (Completed)	20.854 ICMR, New Delhi through PGIMER, Chandigarh	Dr. Sanjeev Verma
14.	Vision based Target tracking and Localization for Loitering Munition System	GAP 0465	20.08.2022	31.10.2024 (Completed)	22.39146 TiHAN- IIT Hyderabad	Dr. Shashi Poddar
15.	Design & Development of Advanced Optical Technologies for Next Generation Avionic Display Systems	GAP 0472	25.11.2022	31.03.2025 (Completed)	165.000 ADA, Bengaluru	Dr. Raj Kumar
16.	Indo-German Joint Scientific Workshop on "Computational Intelligence for Sustainable Energy and Mobility Systems (CI-SEMS): Advancing Efficiency and Environmental Impact"	GAP 0483	01.01.2024	30.06.2024 (Completed)	27.230 IGSTC, DST, BMBF	Dr. Satish Kumar
17.	Monitoring of the Project "Solar Companion" submitted by the innovator (DSIR/PRISM/353/2023 sanctioned to Mr. Aryan Arora from Sirsa, Haryana	GAP 0490	06-02-2024	05-12-2024 (Completed)	0.189 DSIR, New Delhi	Sh. Narinder Singh
18.	Monitoring of the Project " To demonstrate & establish physical stability of Orthopaedic implant coating" submitted by the innovator	GAP 0491	24.11.2023	25.03.2025 (Completed)	1.850 DSIR, New Delhi	Sh. Narinder Singh

	(DSIR/PRISM/231/2022) sanctioned to Dr. Chinmay Khare from Pune, Maharashtra					
19.	Monitoring of the Project "Rotatable condenser unit for split air conditioners for improved efficiency" submitted by the innovator sanctioned to Dr. Shalom Akhai from Haryana	GAP 0497	22-03-2024	21-12-2024 (Completed)	0.180 DSIR, New Delhi	Sh. Narinder Singh
20.	Monitoring of the Project "Development of Battery Thermal Management System(BTMS) to enhance Lithium-Ion Battery (LIB) safety" submitted by the innovator (DSIR/PRISM/354/2024) sanctioned to Mr. Suraj rana from Himachal Pradesh	GAP 0499	22-03-2024	21-02-2025 (Completed)	0.198 DSIR, New Delhi	Sh. Narinder Singh
21.	Monitoring of the project Design and Fabrication of an Indigenous multicolor tunable photo reactor with inbuilt stir submitted by the innovator (DSIR/PRISM/253/2022) sanctioned to Dr. Sanjeev Kumar Bhardwaj from Panchkula, Haryana	GAP0502	09-10-2023	08-12-2024 (Completed)	0.959 DSIR, New Delhi	Sh. Narinder Singh
22.	Monitoring of the Project LoRa and Vision Node assisted IoT network for Real-Time monitoring and controlling of Fishpond submitted by the innovator & sanctioned to Mr. Devender Singh from Dehradun, Uttrakhand	GAP0503	09-10-2023	08-03-2025 (Completed)	0.18 DSIR, New Delhi	Sh. Narinder Singh
23.	Monitoring of the Project Anshaj Smart Bin submitted by the innovator & sanctioned to Mr. Ashish Singh from Himachal Pradesh	GAP0505	09-10-2023	08-02-2025 (Completed)	1.00 DSIR, New Delhi	Sh. Narinder Singh
24.	Development of Colorimetric device for Water and soil testing applications	SSP 0056	24.01.2022	30.06.2024 (Completed)	7.73898 M/s Plasti Surge Industries Pvt. Ltd. Amravati (MH)	Dr. Amol P. Bhonekar

D. Technical Service Projects

(Rs in lakhs)

S. No.	Title of the Project	Project Number	Date of Start	Probable Date of Completion	Total Commitment & Sponsor	Project Leader
1.	Management Development Program on Operation Maintenance of Biomedical Equipment	TSP 0042	20.02.2024	15.04.2024 (Completed)	31.120 MEA, New Delhi	Dr. Sanjeev Soni
2.	Fabrication and Supply of Anti-Glare Filter assembly for MTK Camera System	TSP 0043	09.01.2024	08.04.2024 (Completed)	1.381 Indian Navy, INS Vikramaditya, Naval Base, Karwar, Karnataka	Dr. Mukesh Kumar

Internally Funded Projects

(Rs in lakhs)

S. No.	Title of the Project	Project Number	Date of Start	Probable Date of Completion	Total Commitment	Project Leader
1.	Aerospace Materials and Technologies	HCP0036	27-01-2021	31-03-2025 (Completed)	802.434	Dr. MUKESH KUMAR
2.	AI-enabled Technologies & Systems (AITS)	HCP0042	06-06-2022	31-03-2025 (Completed)	104.565	Mr. VIRENDRA KUMAR
3.	Catalyst Development for Electrolysers	HCP0044	01-04-2022	31-03-2025 (Completed)	33.43	Dr. POOJA DEVI
4.	Cloud based real-time thermal performance monitoring and data analysis of Climate Resilient buildings for Roorkee,Leh and Pilani	HCP0059	01-08-2023	31-03-2025 (Completed)	49.5	Dr. MUKESH KUMAR

S. No.	Title of the Project	Project Number	Date of Start	Probable Date of Completion	Total Commitment	Project Leader
5.	Energy Conservation through Integrated Energy Audit and Sustainable Energy Management in CSIR Labs	MLP2024	01-10-2022	31-01-2025 (Closed)	216.75	Dr. C SETHURAMAN
6.	CSIR- Har Ghar Jal (CSIR-HGJ): Demonstration and Deployment of IoT enabled off-the self/indigenous sensor system to measure and monitor water quality quantity and regularity of water service delivery at Selected Pilot Locationself/indigenous sensor system to measure and monitor water quality quantity and regularity of water service delivery at Selected Pilot Locations	MLP2025	31-08-2022	30-08-2024 (Completed)	177.87	Dr. B S BANSOD
7.	Indigenous Robot Assisted Vascular Catherization (iRAVCath)	MLP2028	27-10-2022	26-10-2024 (Completed)	46.82	Dr. RANJAN KUMAR JHA
8.	Pre-commercialization feasibility studies and building integration of multifunctional dynamic window panels	MLP2030	01-04-2023	31-03-2025 (Completed)	43.46	Dr. MUKESH KUMAR
9.	CSIR Integrated Skill Initiative Programme	NWP100	16-10-2020	31-03-2025 (Completed)	9751.92	Mr. NARINDER SINGH
10.	Robotic gait trainer system for Rehabilitation of Spinal cord injury patients (ROBOG)	OLP0270	01-07-2023	30-06-2024 (Completed)	15.96	Dr. NEELESH KUMAR
11.	Vascular sclerotherapy guidance and assistance tools for clinical diagnostics and treatment of venous malformations (Vascu-Guide)	OLP0271	01-07-2023	31-12-2024 (Completed)	7.96	Dr. AMIT LADDI
12.	Thermal Imaging-based non-invasive techniques for the diagnosis of musculoskeletal disorder (MSD)	OLP0272	01-07-2023	30-06-2024 (Completed)	5.89	Dr. PRASANT K MAHAPATRA

S. No.	Title of the Project	Project Number	Date of Start	Probable Date of Completion	Total Commitment	Project Leader
13.	Development of validation device for compartment syndrome (CS) diagnosis system	OLP0273	01-07-2023	31-12-2024 (Completed)	8.98	Dr. NAVEEN SHARMA
14.	Development of Dristiscope- An Operating Microscope	OLP0274	01-07-2023	30-06-2024 (Completed)	6.89	Dr. SHRAVANA KUMAR R.R.
15.	Development of additive manufactured pelvis revision surgery implants	OLP0275	01-07-2023	30-06-2024 (Completed)	8.24	Dr. VIJAY KUMAR MEENA
16.	Design and development of an LWIR optical module for imaging and surveillance applications	OLP0285	15-06-2023	30-11-2024 (Completed)	14.96	Ms. ISHANI
17.	Development of IoT enabled Solar Thermal Hybrid System Instrumentation	OLP0286	01-06-2023	30-06-2024 (Completed)	6	Ms. R GEETHA
18.	Design and Validation of an Imaging based Portable Multi parametric Analyzer and Colorimetric Test Strips for Water Quality	OLP0297	01-07-2023	31-01-2025 (Completed)	9	Dr. NEERJA GARG
19.	Mxene as Surface Enhanced Raman Scattering (SERS) substrate for analysis of edible oil adulteration	OLP0301	05-06-2023	31-07-2024 (Completed)	10.2	Dr. VISHAL S CHANDANE
20.	Design of metasurface lens for imaging applications	OLP0302	01-06-2023	28-02-2025 (Completed)	5	Dr. SANJIT KUMAR DEBNATH
21.	Process for development of blazed gratings for waveguide type helmet mounted displays	OLP0305	18-08-2023	31-07-2024 (Completed)	8	Dr. VINOD MISHRA
22.	3D Printed metamaterial Gradient Refractive Index (GRIN) lens	OLP0306	24-08-2023	23-06-2024 (Completed)	7.5	Ms. NISHA YADAV
23.	"Technologist Industrial Meet and Expo for Energy" showcasing CSIR-CSIO technologies under Energy Conversion and Related Devices theme	OLP0307	10-06-2024	10-09-2024 (Completed)	10	Mr. G S AYYAPPAN

