

Sponsored Projects

Sl. No.	Title of the project	Principal Investigator	Sponsoring Agency	Total Budget (INR)	Duration
1	Low-cost Medical Ventilator - Mechanical	Dr. Afzaal Ahmed	Covid 19 Project funded by Federal Bank	600000	April 2020 - August 2020
2	Low-cost Medical Ventilator - Electrical	Dr. Sreenath V.	Covid 19 Project funded by Federal Bank	600000	April 2020 - August 2020
3	Pulse Plethysmograph for ICUs	Prof. Vinod A. Prasad	Covid 19 Project funded by Federal Bank	600000	April 2020 - August 2020
4	Automated Lung Ultrasound for COVID-19 Screening and Monitoring	Dr. Mahesh R. Panicker	Covid 19 Project funded by Federal Bank	600000	April 2020 - August 2020
5	Low-cost Test Kit for Fast Screening of COVID-19 Patients	Dr. Shanmugaraju Sankarasekaran	Covid 19 Project funded by Federal Bank	500000	April 2020 - August 2020
6	Real-time Crowd Sensing using Mobile Phone tracking	Dr. Lakshmi Narasimhan Theagarajan	Covid 19 Project funded by Federal Bank	600000	April 2020 - August 2020
7	Learn at Home	Dr. Dinesh Setti	Western India KINFRA Ltd - CSR	322926	01 February 2022 - 31 March 2022
8	Creation of selected geo-spatial open data set for Pudussery Grama Panchayat using Community Participatory Mapping	Dr. Athira P.	Western India KINFRA Ltd - CSR	242927	01 February 2022 - 31 March 2022
9	Porous transition metal doped TiO ₂ catalysts for the thermal oxidation of volatile organic compounds	Dr. Dinesh Jagadeesan	Western India KINFRA Ltd - CSR	352926	01 February 2022 - 31 March 2022
10	Diagnosis tool for Breast Cancer Detection using Novel Microwave Medical Imaging (MMI) Techniques followed by Method Validations on the Concealed Object Detections - a Prototype	Dr. Sukomal Dey	Western India KINFRA Ltd - CSR	322926	01 February 2022 - 31 March 2022
11	Design of heterogeneous catalysts to improve the selectivity of high-temperature, gas- phase reactions	Dr. Dinesh Jagadeesan	SERB Ramanujan Fellowship	1,365,654.00	2013 - 2018
12	Graphene and other 2D materials base spintronics and topological insulators	Dr. Jayakumar Balakrishnan	DST INSPIRE Fellowship	1031488	2014 - 2019
13	On the Role of Proton Transfer in Triggering Disulfide Bond Reductions in Biological Systems- A Computational Approach	Dr. Padmesh A.	SERB Start Up Research Grant	1101613	2016 - 2019
14	Improving water availability in hilly rain shadow regions through conservation measures	Dr. Athira P.	DST INSPIRE Fellowship	1248598	2015 - 2021
15	On positive solutions for classes of nonlinear elliptic boundary value problems	Dr. Lakshmi Sankar K.	DST INSPIRE Fellowship	1691680	2016 - 2021
16	Structural design of Crash Guard Fencing	Dr. Anil Kumar M. V.	Vigilance and Forest Intelligence,	84,960	08 August 2018 - 08 October 2018
17	Performance evaluation of a cryogenic coolant through a	Dr. Dupadu Chakradhar	SERB ECRA	1483160	06 November 2017 - 05 November 2020
18	Pulse Oximeter Design and Development	Prof. Vinod A. Prasad	ITI Limited Palakkad	275000	May - June 2021
19	An automated lung ultrasound workflow for diagnostic	Dr. Mahesh R. Panicker	SERB CRG Covid 19 Project	608960	05 August 2020 - 04 August 2021
20	Performance of mechanically stabilised reinforced soil	Dr. Divya P. V.	Techfab India Industries Ltd., Mumbai	1105046	01 June 2020 - 01 January 2022
21	Energy positive microbial osmotic- electro desalination cell	Dr. Praveena Gangadharan	SERB- EMEQ (Empowerment and Equity	3994500	02 March 2019 - 01 March 2022
22	Reversible Diradical Mediated Self-Assembly Formation of	Dr. Shanmugaraju	SERB- EMEQ (Empowerment and Equity	3763000	16 March 2019 - 15 March 2022
23	Complex network analysis of granular materials	Dr. Krishnaraj K P	DST Inspire	700000	01 November 2021 - 30 April 2022
24	Regional Road Resilience using Landslide Susceptibility	Dr. Rakesh J. Pillai	Coalition for Disaster Resilience	732000	10 May 2021 - 09 May 2022
25	Soot Modelling and measurements in a counterflow diffusion	Dr. Krishna Sessa Giri	SERB- ECRA (Early Career Research	4655040	16 May 2019 - 15 May 2022
26	Identification of the Substrates of DHHC Palmitoyl	Dr. Sushabhan Sadhukhan	SERB- ECR (Early Career Research)	3312452	15 December 2018 - 14 June 2022
27	Investigation of a portable, affordable and self-guided bedside	Dr. Mahesh Raveendranatha	SERB- ECRA (Early Career Research	4901830	30 March 2019 - 29 June 2022
28	DST INSPIRE Fellowship (Transferred from Chennai	Dr. Parangama Sarkar	DST INSPIRE	1339329	01 September 2016 - 31 August 2022
29	MoU with Bexel India Consulting LLP	Dr. Senthilkumar V.	Bexel India Consulting LLP	216000	13 October 2021 - 12 October 2022
30	Design and Development of RF Front-end (RFFE) Passive	Dr. Sukomal Dey	SERB- ECRA (Early Career Research	4211530	14 May 2019 - 13 October 2022
31	Ocean Acoustic Data Archival and Analytics Framework	Dr. Sahely Bhadra	Naval Research Board	2899657	27 October 2021 - 26 October 2022
32	Integrating wastewater treatment to groundwater softening	Dr. Praveena Gangadharan	SERB- ECRA (Early Career Research	3519480	15 May 2019 - 14 November 2022

33	Behaviour and Design of CFS Channel compression members	Dr. Anil Kumar M. V.	SERB- CRG (Core Research Grant)	3426691	15 May 2019 - 14 November 2022
34	SERB International Travel Support (ITS) - IEEE World	Dr. Narayanan C. Krishnan	SERB ITS	113673	18 July 2022 - 30 November 2022
35	An Algorithm for Automated Identification of Geometric	Dr. B. K. Bhavathrathan	SERB SRG	2659820	19 December 2020 - 18 December 2022
36	High- Speed Online Monitoring of Software Applications	Dr. Sandeep Chandran	SERB SRG	2259790	19 December 2020 - 18 December 2022
37	HARKAL: Hardware Accelerated Robust Kernel Adaptive	Dr. Subrahmanyam Mula	SERB SRG	1724280	19 December 2020 - 18 December 2022
38	Mapping the folding/misfolding mechanism of SOD1 using	Dr. Supratik Sen Mojumdar	SERB SRG	2870000	22 December 2020 - 21 December 2022
39	Modeling Latency In Cell-Free Massive MIMO To Enable	Dr. Jobin Francis	SERB SRG	1100950	22 December 2020 - 21 December 2022
40	Characterizing quantum computers: Entanglement in noisy	Dr. Amit Kumar Pal	SERB SRG	2266771	23 December 2020 - 22 December 2022
41	Energy-Efficient Multicore Programmable Accelerator for	Dr. Satyajit Das	SERB SRG	1624980	25 December 2020 - 24 December 2022
42	An Accurate and Efficient Parallel R-C Digitizer for Moisture	Dr. Sreenath V.	SERB SRG	2805440	30 December 2020 - 29 December 2022
43	Bio-inspired Hybrid Underwater Vehicle for Ocean	Dr. Santhakumar Mohan	SERB Core Research Grant (CRG)	2838284	17 July 2019 - 16 January 2023
44	Research Methodology for Construction Management	Dr. Senthilkumar V.	Global Initiative of Academic Networks	912000	30 January 2023 - 10 February 2023
45	Estimation of the thermal contact conductance of realistic	Dr. Samarjeet Chanda	ISRO RESPOND Programme, Department	3044000	19 February 2021 - 18 February 2023
46	Diffuse interface immersed boundary/finite volume	Dr. Ganesh Natarajan	SERB MATRICS	660000	21 February 2020 - 20 February 2023
47	Oriented Diameter of Graphs	Dr. Deepak Rajendraprasad	SERB MATRICS	660000	21 February 2020 - 20 February 2023
48	Understanding the role of protein S-palmitoylation, the only	Dr. Sushabhan Sadhukhan	SERB NPDP	2025600	09 March 2021 - 08 March 2023
49	Multiscale modelling of chromatin assembly and dynamics	Prof. Ranjith Padinhateeri,	DST National Supercomputing Mission	2426520	06 April 2021 - 05 April 2023
50	An investigative Study on the Temporal Geometrical Damage	Dr. Senthilkumar V	Kerala Highway Research Institute (KHRI)	396000	01 November 2022 - 30 April 2023
51	Spin transport in 2D material(graphene)/ perovskites(LSMO)	Dr. Jayakumar Balakrishnan	DST-NanoMission	540361	2016 - 2019
52	Mechanistic correlation between homeostatic pressure and	Dr. Bibhu Ranjan Sarangi	SERB ECRA	537147	15 July 2017 - 14 January 2021
53	Sustainable and resilient environment friendly solutions for	Prof. Tom V. Mathew	Kerala PWD	2498760	12 February 2020 - 11 March 2021
54	Synthesis, characterization and evaluation of TiO2 - polymer	Dr. Dinesh Jagadeesan	Defence Food Research Laboratory	945000	06 September 2019 - 05 September 2021
55	Analytical and Experimental Investigation on Frequency	Dr. Sanjukta Chakraborty	SERB SRG	2156240	18 December 2019 - 17 December 2021
56	Deep learning and Reinforcement learning: New algorithms	Dr. Chandra Shekar	SERB SRG	1566200	30 December 2019 - 29 December 2021
57	Multi-functional optically-sensitive devices with high	Dr. Revathy Padmanabhan	SERB SRG	3087770	02 January 2020 - 01 January 2022
58	Bayesian Deep Models for Efficient Privacy - Aware Learning	Dr. Mrinal Kanti Das	SERB SRG	1780900	04 February 2020 - 03 February 2022
59	ZIGBEE based wireless sensor network for landslide	Dr. Albert Sunny	ISRO RESPOND Programme, Department	1552000	21 March 2020 - 20 March 2022
60	Feedback control of stochastic hybrid systems with state-	Dr. Shaikshavali Chitraganti	SERB MATRICS	660000	22 March 2019 - 21 March 2022
61	Ultra-precision machining of brittle materials - Material	Dr. Afzaal Ahmed	SERB SRG	3165190	03 December 2019 - 02 June 2022
62	Linkage of Large Scale Ocean-Atmospheric Phenomena on	Dr. Sarmistha Singh	SERB SRG	1973180	03 December 2019 - 02 June 2022
63	Drought preparedness in Kerala: A comprehensive assessment	Dr. Subhasis Mitra	Kerala State Council for Science,	1288000	18 December 2019 - 18 June 2022
64	Low voltage MEMS actuation using Negative Capacitance	Dr. Arvind Ajoy	SERB SRG	2773690	21 December 2019 - 20 June 2022
65	Design and Development of a Composite Heat Sink based	Dr. Samarjeet Chanda	SERB SRG	3070370	26 December 2019 - 25 June 2022
66	Development of Failure Limiting Diagram For Surface	Dr. D. Kesavan	SERB EMEQ	4927120	27 November 2019 - 26 November 2022
67	Analysis of Evacuation Options considering Citizen Mobility	1. Dr. B. K. Bhavathrathan	National Mission on Himalayan Studies	1353836	10 December 2019 - 09 December 2022
68	A multimodal brain-machine interface-based neuro-	Dr. Mahesh R. Panicker	DST CSRI	6717160	18 January 2020 - 17 January 2023
69	Credit access and employment opportunities for women with	Dr. Amrita Roy	ICSSR	300000	23 March 2022- 22 March 2023
70	An Environmentally Benign and Sustainable Strategy to	Dr. Sushabhan Sadhukhan	KINFRA CSR (22-23)	150000	23 February 2023 - 22 March 2023
71	Procurement of educational kits for needy students through	Dr. Bibhu Ranjan Sarangi & Dr.	KINFRA CSR (22-23)	90000	23 February 2023 - 22 March 2023
72	Design, Development and Validation of Smart Weather	Dr. Sreenath V. & Dr. Satyajit	KINFRA CSR (22-23)	270000	23 February 2023 - 22 March 2023
73	Fabrication of Sustainable Products From Used Paper by 3-D	Dr. S. Kanmani Subbu & Dr.	KINFRA CSR (22-23)	300000	23 February 2023 - 22 March 2023
74	Optical Sensor Network for Detecting Elephant Movement	Dr. Arvind Ajoy	KINFRA CSR (22-23)	350000	23 February 2023 - 22 March 2023
75	Low-cost multipurpose material for removal of toxic	Dr. Mintu Porel	KINFRA CSR (22-23)	140000	28 February 2023 - 27 March 2023
76	Study of approximation theoretic properties of the space of	Dr. Jayanarayanan C. R.	SERB MATRICS	660000	10 July 2018 - 09 October 2021
77	Framework and Compiler for Social Network Analysis	Dr. Unnikrishnan C.	DST National Supercomputing Mission	2334000	12 March 2021 - 30 June 2023
78	Study on Novocrete Stabilization Technology For Pavement	Dr. Veena Venudharan	Nisco Builders and Developers Private	849600	01 August 2021 - 01 August 2023
79	A novel class of functionally controlled macromolecules with	Dr.Mintu Porel	SERB- Ramanujan Fellowship	3800000	13 August 2018 - 12 August 2023

80	Towards Automating Deterministic Bug-reproduction during	Dr. Sandeep Chandran	Semiconductor Research Corporation	USD 29,880	01 September 2020 - 31 August 2023
81	Resilient reinforced soil structures for the sustainable	Dr. Divya P. V.	Kerala Infrastructure Investment Fund	7487280	01 September 2021 - 01 September 2023
82	Development of Membrane-confined Stem Grouted Piles and	Dr. Sudheesh T. K.	SERB CRG	3041700	07 March 2020 - 06 September 2023
83	Real-Time Air Quality and Weather Monitoring System for	Dr. Praveena Gangadharan	IIT Palakkad	14596658	20 March 2021 - 19 September 2023
84	A Compressed Sensing based Framework for Physical Layer	Dr. Lakshmi Narasimhan	DST INSPIRE Fellowship	3500000	28 September 2018 - 27 September 2023
85	Raaz: A cryptographic library with formal guarantees	Dr. Piyush P. Kurur	DST ICPS	2268000	26 July 2019 - 30 September 2023
86	Discovery, single crystal synthesis and investigation of	Dr. Soham Manni	DST INSPIRE Fellowship	3500000	15 October 2018 - 14 October 2023
87	Design and Development of a new Sitting- Type Lower Limb	Dr. Santhakumar Mohan	Council of Scientific and Industrial	2210000	01 November 2020 - 31 October 2023
88	Robotics and Automation in Agriculture	Dr. Santhakumar Mohan & Prof.	Ministry of Electronics and Information	5184000	01 November 2020 - 31 October 2023
89	Simulation Studies of electronic/photonic band gap materials	Dr. Sukomal Dey	ISRO RESPOND Programme, Department	1368000	04 December 2021 - 03 December 2023
90	Design and fabrication of inorganic electrochromic devices	Dr. Revathy Padmanabhan	ISRO RESPOND Programme, Department	2470000	07 December 2021 - 06 December 2023
91	Finding the Progenitors of Carbon Enhanced Metal-Poor Stars	Dr. Projjwal Banerjee	SERB SRG	1994335	13 December 2021 - 12 December 2023
92	Design and Synthesis of a Novel Class of Sequence-defined	Dr. Mintu Porel	SERB CRG	5364832	21 December 2020 - 20 December 2023
93	Magneto transport studies in 2D materials	Dr. Jayakumar Balakrishnan	SERB CRG	4528383	28 December 2020 - 27 December 2023
94	Study of Thermoregulation and Ventilation in Termite Mound	Dr. Pramod Kuntikana	SERB SRG	3258030	29 December 2021 - 28 December 2023
95	Design and Development of a Software Solution for Enhanced	Dr. Manas Kumar Jena	SERB SRG	2905950	30 December 2021 - 29 December 2023
96	Solid state welding of Ti alloy and Ni alloy metal prints for	Dr. Buchibabu Vicharapu	SERB SRG	3259870	31 December 2021 - 30 December 2023
97	Mesoscale modeling of amorphous solids for large scale	Dr. Pinaki Chaudhuri (Associate	DST National Supercomputing Mission	4581000	24 March 2021 - 31 December 2023
98	Design and Development of an intelligent underwater vehicle	Dr. Santhakumar Mohan	Naval Research Board	4526850	25 January 2021 - 24 January 2024
99	An automated fluorescence slide imaging microscope for	Dr. Vijay Muralidharan	SERB SRG	3125350	28 January 2022 - 27 January 2024
100	Reinforcement corrosion in bridge bent caps - fatigue	Dr. Madhu Karthik M	SERB CRG	3422232	10 March 2021 - 09 March 2024
101	Robust Multi-view Learning for Extreme Events Detection	Dr. Sahely Bhadra	SERB CRG	3617337	25 March 2021 - 24 March 2024
102	Production of biofertilizers from source separated urine	Dr. Shanmugaraju	Department of Science & Technology -	8923790	31 March 2022 - 30 March 2024
103	Utilization of partially treated grey water and C&D waste for	Dr. Shanmugaraju	Department of Science & Technology -	6812046	31 March 2022 - 30 March 2024
104	Theoretical Modelling Of High Pressure Chemistry &	Dr. Priyakumari C P	DST INSPIRE Fellowship	1394192	01 April 2019 - 31 March 2024
105	Pilot lab course on NPTEL & Development of Kits	Dr. Arvind Ajoy	IIT Madras	500000	July 2022 - July 2023
106	Isolated Transition Metal Atoms on Defect- Engineered	Dr. Dinesh Jagadeesan	SERB CRG	3767070	05 February 2020 - 04 August 2023
107	Design and Implementation of AI powered Autonomous	Dr. M. Sabarimalai Manikandan	IITG TIDF	2080000	21 February 2022 - 20 February 2024
108	Design and Emulation of Electric Vehicle Permanent Magnet	Dr. Arun Rahul S.	SERB International Research Experience	1304895	01 September 2023 - 31 December 2023
109	CSR Funds from Tata AutoComp	Dr. Sarath Sasi	TM Automotive Seating Systems Private	3358000	01 January 2024 - 31 March 2024
110	Communication-Efficient Gradient Aggregation for	Dr. Anoop Thomas	SERB CRG	1058222	30 January 2024 - 29 January 2024

Total Budget	248042027
---------------------	------------------

Consultancy Projects - Completed

Sl. No.	Title of the project	Principal Investigator	Sponsoring Agency	Total Budget (INR)	Duration
1	Mix design for grade M15 Dry Lean Concrete mix	Dr. Madhu Karthik M.	Garrison Engineer (P) AF Sullur, MES, Sullur	46,550	30 October 2017 - 15 December 2017
2	Soil Investigation for Permanent Campus of IIT Palakkad	Dr. Sudheesh T. K. & Dr. Divya P. V.	Central PWD	525336	August 2018 - September 2018
3	Review of lateral capacity of pile	Dr. Sudheesh T. K.	Furnace Fabrica India Ltd.	28,320	21 August 2018 - 07 September 2018
4	Vetting of Structural Design of Bus Terminal (AMRUT Urban Transport) for Palakkad Municipality	Dr. Anil Kumar M. V.	Palakkad Municipality	77,880	30 July 2018 - 28 September 2018
5	Vetting of Design submitted by Durafloor Concrete Solutions for Fibre Reinforced Flooring	Dr. Sunitha K. Nayar	Durafloor Concrete Solutions LLP	155760	14 January 2019 - 28 January 2019
6	Review of Soil Report	Dr. Sudheesh T. K.	Furnace Fabrica India Limited	25,488	28 January 2019 - 11 February 2019
7	Vetting of Structural Design (Improved Design of Eranholi Bridge)	Dr. Anil Kumar	Ernad Engineering Enterprises	113280	28 March 2019 - 28 May 2019
8	Vetting of Structural Drawings (Flyover at Edappal Junction)	Dr. Anil Kumar	Ernad Engineering Enterprises	283200	08 April 2019 - 08 June 2019
9	Proof Checking of 40m Girder and Deck Slab: Flyover at Vytilla	Dr. Anil Kumar M. V.	PWD, Kerala Government	106200	June 2019 - July 2019
10	Vetting of Detailed Design of Viaduct from 1+786 to 2+013 along Thiruvalla Bypass	Dr. Anil Kumar M. V.	E K K Infrastructure Limited	141600	03 July 2019 - 03 September 2019
11	Checking and Vetting of Design Solution of Reinforced Flooring, done by Flatworx Consulting LLP	Dr. Sunitha K. Nayar	Flatworx Consulting LLP	155760	03 September 2019 - 10 September 2019
12	BPCL Cross Country Pipeline: Study on Ground Improvement for the Development of Cochin Seaport- Airport Road Phase-II	Dr. Divya P. V.	BPCL	236000	22 November 2019 - 20 December 2019
13	RWSS to Pudukkad, Parappurkkara and Adjoining Panchayaths - Implementation of pipe line near Railway bridge at Kurumali, Rapal by HDD Method	Dr. Sudheesh T. K.	Kerala Water Authority	30,090	February 2020 - March 2020
14	Optimization of Production & Transmission - WSS to Pavaratty & Mullassery Panchayaths in Chavakad Thaluk - Supplying, Laying & Commissioning of 300/250/200 mm DI K9 gravity main - Railway crossing at Brahmakulam - Soil exploration by taking 2 nos. trial bores	Dr. Sudheesh T. K.	Kerala Water Authority	30,090	February 2020 - March 2020
15	STP Water Testing	Dr.Praveena Gangadharan	Builttech Avenue Apartment Owner's Association	4,000	13 February 2020 - 04 March 2020
16	Structural stability check of flag mast for Naval Academy, Ezhimala	Dr. Anil Kumar M. V.	Garrison Engineer (Maint) Ezhimala	283200	04 January 2020 - 31 March 2020
17	Consultancy for Design and Vetting of Fibre reinforced concrete (FRC) and Mesh	Dr. Sunitha K. Nayar	IIT Madras	240720	17 March 2020 - 17 April 2020
18	Soil investigation and structural stability for Sebastian indoor stadium, Edava,	Dr. Madhu Karthik M.	Kerala Infrastructure Investment Fund Board	708000	01 April 2020 - 30 May 2020
19	Brainwave- based Driver Drowsiness Detection System	Prof. Vinod A. Prasad	UVJ Technologies Pvt. Ltd.	1200000	01 January 2019 - 30 June 2020
20	Soil Investigation for existing soil at Runway Basic Strip - Calicut International	Dr. Sudheesh T. K.	Airports Authority of India	455126	18 August 2020 - 19 September 2020
21	Soil Investigation for existing soil at Runway Basic Strip - Calicut International	Dr. Sudheesh T. K.	Airports Authority of India	195408	08 September 2020 - 07 October 2020
22	Design and development of a multi-purpose ground based mobile manipulator	Dr. Santhakumar Mohan	Autodesk Inc.	88,500	November 2020 - December 2020
23	Checking/ Vetting the Structural Design/ Drawings proof of the proposed 300	Dr. Madhu Karthik M.	Biju P. Daniel & Co.	566400	16 November 2020 - 14 December 2020
24	Upgradation of coastal roads - Construction of Retaining wall and Upgradation of	Dr. Rakesh J. Pillai	Harbour Engineering Department, Govt. of	300000	01 October 2020 - 31 December 2020
25	Soil Investigation for Laying 500 mm MS pipe across railway line at Ponnurunni	Dr. Sudheesh T. K.	Kerala Water Authority	154580	18 December 2020 - 18 February 2021
26	Soil Investigation Report - AMRUT-2017-18-WSS to Guruvayur Municipality in	Dr. Sudheesh T. K.	Tony P. Thekkiniyath (Contractor KWA)	32,568	21 January 2021 - 21 February 2021
27	Technical review of the counter claims by IOCL and CoPT for arbitration of the	Dr. Sunitha K. Nayar	Indian Oil Corporation Limited	632952	04 January 2021 - 28 February 2021
28	Preparation of Counter Argument Report for IOCL's Arbitration case in connection	Dr. Senthilkumar V.	Indian Oil Corporation Limited	446040	09 January 2021 - 28 February 2021
29	Preparation of Cross Examination Arguments and Analysis against the detailed	Dr. Senthilkumar V	Indian Oil Corporation Limited	446040	05 February 2021 - 28 February 2021
30	Four Laning of Thalassery - Mahe Bypass section of NH-17 from km 170+600	Dr. Anil Kumar M. V.	EKK Infrastructure Ltd.	254880	08 March 2021 - 08 April 2021
31	To establish the process methods for manufacturing MS1 alloy through powder bed	Dr. D. Kesavan	EOS GmbH India	443208	06 April 2021 - 05 May 2021
32	Checking and Vetting of Design Solution for FRC Flooring of the proposed project	Dr. Sunitha K. Nayar	K C Contech	177000	22 June 2021 - 01 July 2021
33	Checking and Vetting of Design Solution for Warehousing Project at Aarush	Dr. Sunitha K. Nayar	M/s Aarush (Phase II) Logistics Park Pvt.	155760	30 June 2021 - 07 July 2021
34	Checking and Vetting of Design Solution for flooring of Power of one logistics	Dr. Sunitha K. Nayar	Power of One Logistics Park Pvt. Limited,	155760	30 June 2021- 07 July 2021

Consultancy Projects - Completed

Sl. No.	Title of the project	Principal Investigator	Sponsoring Agency	Total Budget (INR)	Duration
35	Vetting of Cold In-place Recycling on NH 66	Dr. C. V. Veena Venudharan	PMR Construction Company	184080	08 October 2020 - 08 July 2021
36	Site visit and RE wall inspection report- Mukkola project	Dr. Divya P. V.	Larsen & Toubro Limited (L&T)	514008	01 July 2021 - 30 July 2021
37	Payment design for roads in Kottoor Elephant Rehabilitation Centre	Dr. C V Veena Venudharan	Kerala Infrastructure Investment Fund Board	212400	01 July 2021 - 15 August 2021
38	Checking and vetting of design solutions for FRC flooring of the proposed project	Dr. Sunitha K. Nayar	Indus Floors India Pvt Ltd	177000	05 September 2021 - 15 September 2021
39	Consultancy for Remedial Measures for Distressed Culvert, Runway and	Dr. Sudheesh T. K.	Airports Authority of India	3497520	25 March 2021 - 24 September 2021
40	Recommendations on slope protection works for Mattanur-Irikkur road, Kannur	Dr. Divya P. V.	Kerala Infrastructure Investment Fund Board	900576	10 August 2021 - 10 October 2021
41	Site Visit report for visual assessment of dislodged panel of MSE wall at CH 28	Dr. Divya P. V.	Larsen & Toubro Limited (L&T)	594720	27 February 2022 - 10 March 2022
42	Kochi Salem LPG Pipeline Project	Dr. Senthilkumar V	Kochi Salem Pipeline Pvt Ltd	177000	01 March 2022 - 30 April 2022
43	Recommendations on Ground Improvement Works for Perumbavoor Bypass Road	Dr. Divya P. V.	KIIFB	254880	23 March 2022 - 08 July 2022
44	Conduct hydrological modelling for Jharkhand State covering all major river basins	Dr. Athira P.	International Institute for Environment &	1951144	01 December 2021 - 31 July 2022
45	Tensile testing of metallic parts	Dr. D Kesavan	Ultraviolette Automotive Pvt Ltd	78386	18 July 2022 - 17 August 2022
46	Site Inspection of cracks developed in Gramakala building - IRTC Jubilee	Dr. Madhu Karthik M.	Integrated Rural Technology Centre (IRTC)	28320	13 August 2022 - 20 August 2022
47	Filter development for Radiographic Images	Dr. Mahesh R. Panicker	Visi Consult Pvt. Ltd., Maharashtra	54000	20 March 2022 - 20 September 2022
48	World Skills International Competition - Mentoring For Digital Construction	Dr. Senthilkumar V.	Construction Skill Development Council of	1346270	01 February 2022 - 30 September 2022
49	Amrut -WSS to Guruvayur Municipality in	Dr. Sudheesh T.K.	Kerala Water Authority	42480	September 20 2022 - October 20 2022
50	Rolling contact fatigue testing under - pure rolling and rolling with 30% slip	Dr. D. Kesavan	GE India Industrial Private Limited	354000	25 August 2022 - 24 November 2022
51	Flexural toughness testing and certification of M30 concrete with Tufstrand SF	Dr. Sunitha K Nayar	TREMCO CPG India limited	518114	15 July 2022 - 12 December 2022
52	Experimental investigation for determining drying shrinkage potential using area	Dr. Sunitha K. Nayar	Floormart Global, Maharashtra	368160	25 March 2022 - 31 December 2022
53	Checking and Vetting of Design submitted by Bekaert - DRAMIX for SFRC	Dr. Sunitha K Nayar	Firstspace Development Management Pvt. Ltd	127440	05 January 2023 - 15 January 2023
54	Checking and Vetting of Design submitted by Bekaert – DRAMIX for warehouse	Dr. Sunitha K. Nayar	Firstspace Development Management Pvt. Ltd	127440	05 January 2023 - 15 January 2023
55	Checking and Vetting of Design submitted by Bekaert – DRAMIX for SFRC saw	Dr. Sunitha K. Nayar	M/s. Civitech India Pvt. Ltd.	127440	05 January 2023 - 15 January 2023
56	Conduct hydrological modelling of Chhattisgarh covering all major river basins	Dr. Athira P.	International Institute for Environment &	3348905	15 August 2022 - 31 January 2023
57	IOCL Mangalore Terminal Expansion	Dr. Sudheesh T. K.	Keller Ground Engineering India Private	177000	06 January 2023 - 05 March 2023
58	Checking and Vetting of Design submitted by Bekaert - DRAMIX for SFRC	Dr. Sunitha K. Nayar	Topline Logistics Park Pvt. Ltd.	127440	28 February 2023 - 10 March 2023
59	Recommendations for bridge adutment on rock	Dr. Sudheesh T. K.	Southern Railway	368160	20 February 2023 - 20 March 2023
60	Indoor Detection of Person using Phased array radar & FMCW 60 GHz Radar for	Dr. Swaroop Sahoo	Multicoreware Inc., CA	180000	01 October 2022 - 31 March 2023
61	Checking and Vetting of Design submitted by Durafloor Concrete of the RCC	Dr. Sunitha K. Nayar	Durafloor Concrete Solutions LLP	141600	10 April 2023 - 20 April 2023
62	Recommendations on the construction of a multi - storey building with pile	Dr. Rakesh J. Pillai	Kerala Water Authority	472000	10 April 2023 - 10 May 2023
63	Robust receive beamforming algorithm for underwater sonar imaging system for	Dr. Mahesh R. Panicker	DRDO NPOL	989218	16 May 2022 - 15 May 2023
64	Fibre characterisation and flexural toughness testing of fibre reinforced concrete	Dr. Sunitha K Nayar	Chryso Indian Pvt. Ltd	916634	01 December 2022 - 15 May 2023
65	Soil Tests and Desing calculation - Pipeline crossing under railway track near	Dr. Sudheesh T K	Kerala Water Authority	200600	24 April 2023 - 23 May 2023
66	Robust operational space motion control of a waist assistive powered exoskeleton	Dr. Santhakumar Mohan	DRDO, CAIR	3176000	30 November 2021 - 31 May 2023
67	Flexural toughness testing and certification of M30 concrete with Mark Chem steel	Dr. Sunitha K. Nayar	Mr. Mark Overseas	361080	15 January 2023 - 15 June 2023
68	Compiler Optimizations and LLVM	Dr. Unnikrishnan C	Multicoreware Inc., CA	180000	16 January 2023 - 16 June 2023
69	Supply of additively manufactured inconel 718 plates, Mechanical Property	Dr. D Kesavan	ISRO Propulsion Complex (IPRC),	1493968.75	29 October 2022 - 30 January 2024
70	Development of a River Basin Management Plan for the Bharathapuzha River	Team Leader: Prof. Balaji Narasimhan	Irrigation Design & Research Board (IDRB)	7300000	25 February 2022 - 24 February 2024
71	Automatic Target Detection using Side Scan Sonar (SSS) and Multibeam	Dr. Mahesh R. Panicker	DRDO CAIR	1965000	08 July 2022 - 07 March 2024
72	Development of a numerical model for predicting flow noise in thin towed sonar	Dr. Ganesh Natarajan	DRDO NPOL	973698	10 May 2022 - 09 March 2023
73	Appointment of Consultant for the review of Kochi Metro Pillar Nos. P 343 to P	Dr. Madhu Karthik M	Kochi Metro Rail Limited (KMRL)	1571760	28 December 2022 - 30 November 2023
74	Strength and Stability of Assesment of Sky Walkway at Seemati Junction	Dr. Gokulnath C	Kerala Road Safety Authority	212400	26 April 2023 - 25 July 2023

Consultancy Projects - Completed

Sl. No.	Title of the project	Principal Investigator	Sponsoring Agency	Total Budget (INR)	Duration
75	Vetting of the technical feasibility of KLD mobile septage unit proposed by Eram	Dr. Praveena Gangadharan	Eram Scientific Solutions/Alappuzha	118236	22 March 2023 - 15 April 2023
76	Fatigue life evaluation of bearing steels by rolling contact fatigue studies	Dr. D Kesavan	ISRO Inertial System Units	495600	17 January 2023 - 15 June 2023
77	Checking and Vetting of Design submitted by Bekaert concrete for SFRC flooring	Dr. Sunitha K Nayar	Indus Floors India Pvt Ltd	127440	25 June 2023 - 05 July 2023
78	Recommendations on slope protection works for Painav- Thannikandom -	Dr. Divya P. V.	EKK Infrastructure Ltd.	226560	22 February 2023 - 30 March 2023
79	Overlay Design and Rehabilitation Measures	Dr. C V Veena Venudharan	National Highway Authority of India, PIU	3267262	03 July 2023 - 03 October 2023
80	Vetting of CTB and CTSB mix designs: Six Laning of Kadampatti (Km 517+ 250)	Dr. C V Veena Venudharan	RDS Project LTD	360000	06 July 2023 - 06 September 2023
81	City Gas Distribution Project Thrissur and Palakkad	Dr. Rakesh J. Pillai	Indianoil Adani Gas Pvt Ltd	70000	01 July 2023 - 15 July 2023
82	Vetting of MASW & GPR test reports submitted by IIT Kharagpur conducted in	Dr. Divya P. V.	National Highway Authority of India, PIU	226560	25 June 2023 - 25 July 2023
83	Soil tests and design calculation - Jal Jeevan Mission (JJM) - 2021 - 22 - Koratty G	Dr. Sudheesh T K	Kerala Water Authority	199656	18 May 2023 - 15 September 2023
84	Soil tests and design and calculation - water pipeline crossing at Kurumali Rappal	Dr. Sudheesh T K	Kerala Water Authority	216648	07 May 2023 - 15 September 2023
85	Design Calculation - pipeline crossing railway tracks at Paluvai by HDD method	Dr. Sudheesh T K	Kerala Water Authority	82600	31 July 2023 - 31 August 2023
86	Pipeline crossing under railway track at km -19/300 - 19/400 between Poonkunnam	Dr. Sudheesh T K	Kerala Water Authority	141600	31 July 2023 - 31 August 2023
87	Slope stability assessment for a railway project at a site in Kerala	Dr. Divya P. V.	Engosym Consultants	996864	25 July 2023 - 25 September 2023
88	Proof checking and comparative assessment of grade slab using welded wire mesh	Dr. Sunitha K Nayar	Tata Steel Limited	293820	10 October 2023 - 10 November 2023
89	City Gas Distribution Project - Ernakulam GA	Dr. Rakesh J. Pillai	Indianoil Adani Gas Pvt Ltd	177000	01 October 2023 - 01 November 2023
90	Blasting study at New Bharath Quarry, Kanichar	Dr. Ankesh Kumar	M/s New Bharat Stone Crusher & Hollow	127440	25 October 2023 - 28 November 2023
91	Checking and Vetting of Design submitted by Bekaert concrete for SFRC flooring	Dr. Sunitha K Nayar	M/s. Bekaert Mukand Wire Industries Pvt. Ltd.	127440	21 December 2023 - 30 December 2023
92	Flexural toughness testing and certification FRC samples supplied by Kasturi Metal	Dr. Sunitha K Nayar	Kasturi Metal Composite Pvt Ltd	261960	01 February 2024 - 20 February 2024
93	Wetting of 200 KWp solar plant installation project at T-39 Hanger NAY Kochi	Dr. Arun Rahul S	P P John Constructions	35400	25 January 2024 - 12 February 2024

Total Budget	52,238,624
--------------	------------