



SRI RAMACHANDRA

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Category - I Deemed to be University) Porur, Chennai

Swachhta Action Plan is a landmark initiative in mainstreaming Swachhta elements across all sectors of the Government to accomplish the Prime Minister's vision and Gandhiji's goal. With their vast reach and expertise base, higher education institutions can set the tone and pace for the Swachhta movement throughout the country. SRIHER's Social Entrepreneurship & Rural Engagement Cell was established on March 11th, 2021 to help achieve this goal.

<https://drive.google.com/file/d/1qR6GezcptJ9eh7LTbO5IDMbSzwOcoufC/view>

SESREC's vision and mission is to actively develop and promote initiatives aimed at creating awareness, facilitating the implementation and/or enhancing of existing sanitation, hygiene, waste management, water management, energy saving, and greenery inside the campus and adopted villages through mentoring, building environmental stewardship and creating social responsible individuals. Various efforts are carried out by the institution to promote Swachhta and Jal Shakti initiatives, including provision of clean toilets and safe drinking water; conducting awareness campaigns and Swachhta audits; waste management and implementing the ban on one time use plastic for protecting the environmental and ecosystem.

Greenery:

SRIHER is famous for its green campus. It is known for its beautiful biodiversity park which is bustling with fauna and flora including habitation of native plants. The Biodiversity Park gives the students an escape from the mundane hustle of everyday life. The institution is also actively taking efforts to set up a Miyawaki forest in the campus; one of its kind growing forests is short period.

An herbal garden with medicinal plants started as an initiative by the Faculty of Pharmacy is maintained with utmost care. Students are taken to visit the green house, which is stretched in an area of 1500 sq.ft housing around 100 species of plants of which 50 species are endangered and of rare collection.



Water Management:



Speech competition was conducted by the English Literary Club on 12th September, 2021 on the theme of Water Conservation. Pond restoration programme was organized at Samiyarkulam, Kolapakkam on 4th September, 2021. One of the uniqueness is the National Service Scheme students engage in restoration of the same pond towards sustainability.

Student volunteers from the NSS of the university coordinated and performed activities that includes cleaning the surroundings, strengthening boundaries, clearing weeds, draining water, sludge removal, etc. A team of 6 members from the Iyarkai Charitable Trust and 99 student volunteers from NSS units I and IV assisted to complete this activity.



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SRIHER has a special waste water treatment plant which aims to conserve the quality of water. The treated water is filtered using the sand and carbon filters which is then chlorinated and treated using UV radiation. Around 80% of the treated water is used for AC system, gardening and agricultural purposes, 20% of water is pumped back to the artificial pond which serves as ground water recharge system.



The established rain water harvesting system, storm water collection, bore well recharge areas, tank, bunds and water distribution systems are maintained at periodical intervals throughout the year for effective water management. A separate water treatment system is in operation to date for distributing to toilet flushing thus conserving water by reusing a portion of treated water.



<https://drive.google.com/file/d/1EmP0lQ-nDHMC92fnaWnkjZzyH7tEw0CM/view>

Waste Management:

Biomedical Waste, E-Waste, Solid Wastes, Waste Water and Hazardous Wastes are disposed adhering to local regulations. The treated waste water from the combined effluent treatment system meets the waste water quality standards.

The Ad-design competition was conducted as a part of SWACHHTA PAKHWADA 2021 by the English literary club & Student council (SRIHER). In this event, students were encouraged to design an advertisement pamphlet depicting how a waste material can be transformed into innovative useful product-digitally or handmade. The theme for the event was “Wealth out of Waste”

Swachhta and Rural Engagement Cell (SES-REC) of Sri Ramachandra Institute of Higher Education & Research (DU) has organized an Institutional Level Competition for students on the following activities – Essay Writing, Poster making and Slogan writing competition on the theme waste management and energy conservation.

Sanitization and Hygiene:

SRIHER's Department of Periodontology and Implantology observed Oral Hygiene Awareness Week from August 2-7, 2021. Students taught patients and the broader public about dental hygiene and its relevance to overall systemic health.

The NSS organized a hand washing and sanitization camp for rural residents. Hand hygiene demonstrations and COVID kits were supplied to 50 homes. A cleanliness drive was held on September 14,

2021, at Vyasarpadi. Volunteers from the National Service Scheme planned and carried out mosquito-control activities in stagnant water. Community were emphasized that the breeding





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places propagate mosquito-borne diseases like dengue, malaria, and filariasis.

<https://youtu.be/00yn7TqVuSc>

Energy Conservation

SRIHER has taken strong steps towards conserving water on campus to minimize its wastage. SRIHER has a conventional water treatment plant which uses a minimal amount of electricity, approximately 10 units per day by using energy efficiency pumps. Wood fuel using canteen has replaced with briquettes for cooking purposes as it is renewable and clean source of energy intended to curb the greenhouse gas emissions. As other canteens use LPG stove, the safety and utility committee oversees the safety of using and storing LPG cylinders within the campus.



Rural Entrepreneurship

On August 21, 2021, Sri Ramachandra Faculty of Management Sciences hosted a rural entrepreneurship development programme. The Rural Entrepreneurship Development Program assists SRIHER students in conducting Entrepreneurship Development Programs to improve entrepreneurial and activity-oriented skills among unemployed rural women seeking to start small or micro-businesses. Mrs. Vasanthi Shankar empowered women and encouraged them to start their own business, something she had learned from her own experience. She also assured to the rural women to teach beautician courses to interested women.



On June 12, 2021, the Department of Environmental Health Engineering sponsored a "Healing the Nature-Green Initiatives at Individual Level" environmental awareness education workshop for SRIHER students. In addition to solar energy and water conservation, Mr. Suresh stressed the need of waste food management and the utilization of associated trash for vegetation growth. He is identified as a resource person to be engaged in green initiatives of SRIHER

Corporate Social Responsibility (CSR)

The Department of Environmental Health Engineering is in discussion with industry to participate in rural development programmes using CSR funds. Few firms have come forward to invest in toilets and biogas plants. The NSS unit has created a village-level connection with the president and members for smooth functioning of the programs of SRIHER. An online meeting was held with the Foundation for Innovative Packaging and Sustainability (FIPS) to scope the objectives for their engagement with SRIHER. The MoU will aim to promote skill development courses in sustainable packaging and





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circular economy, as well as technical and advisory support for packaging research projects.

Dr. P.V. VIJAYARAGHAVAN

M.B.B.S., D.Ortho, DNB (Ortho), M.Ch (Ortho) UK, FRCS (Glasgow)

FAOI (Swiss), FAIMER Fellow

Vice-Chancellor

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Clean Cooking Implementation Science Network Letter of Intent

The Clean Cooking Implementation Science Network (ISN), led by the Fogarty International Center (FIC) of the U.S. National Institutes of Health will provide financial support to the following project:

Project title: Assessing the role of LPG coverage at scale to achieve household air pollution and ambient air pollution exposure reductions using hyper-local, low-cost PM2.5 sensor networks: implications for the Pradhan Mantri Ujjwala Yojana program in India

Mechanism of Support: Subcontract to Sri Ramachandra Institute for Higher Education and Research (Deemed to be University), Chennai (PI: Dr. Kalpana Balakrishnan) through NIH's Contractor, FedPoint Systems (http://fedpointsystems.com/contact_us)

Funding

Date	Amount of Support
July 1, 2020– December 31, 2021	\$ 215,028.00

Terms:

The funding for this project is provided by the NIH Common Fund to the FIC and its collaborators to pursue the development of Implementation Science for Clean cooking to reduce household air pollution and associated disease.

The terms of this support require the investigators and their institutions to make the best effort toward completion of the activities and achievement of outcomes outlined in the referenced project and associated correspondence (Appendix). Any significant deviation from these will require written approval from the ISN Principal Investigator, Dr. Joshua Rosenthal (joshua.rosenthal@nih.gov).

In addition to conducting the research and related objectives outlined in the project proposal, the following terms and conditions of this support apply to the project and associated funding:

- 1) The project principal investigator (PI) agrees to attend an ISN network meeting (to be held either at the NIH or virtually, depending on NIH and CDC travel guidance) during the contract term. If the meeting takes place in person, the ISN will cover travel expenses for up to two attendees from the project to attend, and virtual attendance for others will be an option.
- 2) The project investigator agrees to present the project to the entire ISN and to collaborate on potential changes in the project design associated with learnings from the discussions, to enhance the impact of the ISN's activities as a whole.

Clean Cooking Implementation Science Network Letter of Intent

- 3) All data collected for this research must be made freely available to the global community upon completion of the project, no later than two years after completion of the subcontract. The investigator additionally agrees to share processed data, programming scripts, and other tools used to analyze the data for collaborative activities with the ISN.
- 4) The investigator agrees to publish results from the funded project in peer reviewed journals under open access policies. The cost of open access publication should be borne by the project/the investigators. In case of financial limitations (for example subsequent to multiple open access publications), please discuss options with ISN leadership.
- 5) The investigator further agrees to participate in other dissemination activities of the ISN, including for example the development of jointly planned and drafted publications, presentations at conferences, and participation in webinars.
- 6) All public dissemination of the results of this project should include the following acknowledgment: "This project was supported under the Clean Cooking Implementation Science Network led by Fogarty International Center with support from the NIH Common Fund."
- 7) The investigator agrees to submit a status report by March 1, 2021, and final report on the project's accomplishments and findings in writing by email to FIC (Ashlinn Quinn: ashlinn.quinn@nih.gov) one month after the contract period for the award terminates. The reports will include detailed expenditures from all team members and associated subcontractors. The format for the report will be provided in a subsequent communication.
- 8) Unexpended funds remaining from the execution of this project during the scheduled project year must be reported to FIC staff, and their disposition will be negotiated jointly to ensure appropriate use under the ISN terms.
- 9) The investigators will provide evidence to Dr. Quinn from your institution or the relevant IRB(s) that any primary data collection proposed is exempt from human subjects review requirements or approved by relevant institutional IRBs/Ethics Committees by August 31, 2020.

Signatures:

Project Principal Investigator Kalpana Balakrishna Date 26/06/2020

Business Office Representative [Signature] Date 26/06/2020

Prof. S.P. THYAGARAJAN
Ph.D., MD., D.Sc., F.N.A.S.C., F.A.M.S., F.I.M.S.A., F.A.B.M.S., F.F.T.M.(UK)
PROFESSOR OF EMINENCE & DEAN(RESEARCH)
SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Deemed to be University)
(Declared under Section 3 of the UGC Act, 1956)
Porur, Chennai - 600 116.



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स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य और परिवार
कल्याण विभाग, भारत सरकार

Indian Council of Medical Research
Department of Health Research, Ministry of Health
and Family Welfare, Government of India

File No 5/7/1655/CH/Adhoc/2019-RBMCH

Dated: 13-08-2019

To,

The Dean (Research)
Sri Ramachandra Institute of Higher Education and Research,
(Deemed to be University),
Porur, Chennai – 600 116.

Subject : Sanction of Budget Allotment for the ICMR 'Ad-hoc' New Scheme entitled:
"Prenatal Exposure to Air Toxics and Adverse Birth Outcome: An Integrated Rural-
Urban Mother- Child Prospective Cohort Study under Dr. Naveen Puttaswamy, Sri
Ramachandra Institute of Higher Education and Research, Chennai, Tamil Nadu

Sir/Madam,

The Director General of the Council sanctions the above mentioned project with total budget allotment of **Rs.1,00,58732/-** for the duration of **three years** w.e.f. 1st September 2019 to 31st August 2022 subject to the following conditions as mentioned below:-


First Installment full & final of grant-in-aid of **Rs.53,70,011/- (Rupees Fifty Three Lakhs Seventy Thousand Eleven only)** out of the first year sanction budget of **Rs.53,70,011/-** will be released as detailed in the attached statement (**Annexure-I**) for the period from **01/09/2019 to 31/08/2020**.

The grant-in-aid will be given subject to the following conditions.

1. *The payment of the grant will be paid **through RTGS to the head of the Institute**. The first installment of the grant will be paid generally as soon as report regarding appointment of the staff is received by the Council. The Staff appointed on the project should be paid as indicated in the budget statement.
2. The staff on the project will be recruited as per the rules and procedure of the host institute and second part of the undertaking be obtained from the employees of the project.
3. The demand for payment of the subsequent installment of the grant should be placed with the Council in the prescribed Performa. The approved duration of the scheme is **Three Years**. The annual extension will be given after review of the work done on the scheme during the previous year.

4. Ten copies of the annual progress report in the attached prescribed Performa should be submitted to the Council every year after completion of ten months of the project giving complete actual details of the research work done. Failure to submit the report in time may lead to termination of project.
5. **The Institute will maintain a separate saving account of the receipts and the expenditure incurred on the research scheme and will furnish an utilization certificate and an audited statement of the account pertaining to the grant.**
6. The above terms and conditions are indicated on ICMR website.
7. **The institute shall utilize the Grant as per the provisions laid down in the GFRs 2017 and T.A Rules.**

Yours faithfully.


(Harjeet Kaur Bajaj)
Administrative Officer
for Director General

Copy together with a copy of the budget statement forwarded to information to:

- ✓ 1. Dr. Naveen Puttaswamy, Assistant Professor, ICMR Centre for Advanced Research in Air Pollution, Department of Environmental Health Engineering Faculty of Public Health, Sri Ramachandra Institute of Higher Education and Research, Porur, Chennai, Tamil Nadu – 600 116.
2. Accounts. V. for information.
3. Budget forwarded to Budget Section [Finance Section] for compilation of the Council Budget.
4. Dr. Chanchal Goyal, Online Section, **ISRM** (Proposal ID 2019 - 3121).
5. Mr. Birender Singh, Sr. T.O. Division of RBMH & Child Health, ICMR, New Delhi-110029.

Admn. Officer
for Director General


File No. : 5/7/1655/CII/Adhoc/2019-RBMCII
 RFC No : RBMCH/Adhoc/22/2019-20 dated 13/08/2019
 Proposal ID. 2019-3121
 Duration : 03 Years
 Date of start: 01st September 2019

Budget Statement

Period from 01.09.2019 to 31.08.2020

S. No.	Particular's Name	1 st year
B. Staff		
1)	Senior Research Fellow (1) @ Rs. 35000/- + Rs. 8400/- (24% HRA) = Rs. 43400/- p.m	520800
2)	Junior Research Fellow-(2) @ Rs. 31000 + Rs. 7440/- (24% HRA) = Rs. 38,440/- p.m	922560
Sub Total of 'A'		1443360
B	Equipment	600000
C	Recurring	2945000
D	Travel:	200000
	• Field expenses	50000
	• Domestic Travel	
Sub Total of 'D'		250000
E	Overhead Charges (3%) on A+C	131651
Grand Total of (A+B+C+D+E)		5370011

Rupees: Fifty Three Lakhs Seventy Thousand Eleven only


 (Adm. Officer)
 For Director General



भारतीय चिकित्सा अनुसंधान परिषद
भारत सरकार, स्वास्थ्य और परिवार कल्याण विभाग
भारत सरकार, स्वास्थ्य और परिवार कल्याण विभाग
Indian Council of Medical Research
Department of Health Research, Ministry of Health,
and Family Welfare, Government of India

No 5/7/1655/CH/Adhoc/2019-RBMCH
Dated: 13-08-2019

Subject: Payment of full & final Installment of 1st year grant – in – aid for 'Ad-hoc' Project entitled: "Prenatal Exposure to Air Toxics and Adverse Birth Outcome: An Integrated Rural-Urban Mother- Child Prospective Cohort Study under Dr. Naveen Puttaswamy, Sri Ramachandra Medical College & Research Institute, Tamil Nadu"

MEMORANDUM:


Reference this office letter of even number dated: **13/08/2019**.

The Director General, ICMR sanctions the payment of Rs.53,70,011/- (Rupees Fifty Three Lakhs Seventy Thousand Eleven only) as the full & final Installment of 1st year of the grant for incurring expenditure in connection with the above mentioned research scheme. The amount of Rs.53,70,011/- may be debited in the provision of Rs.53,70,011/- made for the above mentioned research scheme for the current financial year 2019-2020.

A formal bill for Rs.53,70,011/- is sent herewith for payment to the Dean, Sri Ramachandra Institute of Higher Education and Research, Porur, Chennai, Tamil Nadu through RTGS. (Mandate form & Cancelled Cheque enclosed).

This is issued with the concurrence of the finance Divn. RFC No: RBMCH/Adhoc/22/2019-20 dated 13/08/2019.

Yours faithfully


(Harjeet Kaur Bajaj)
Admin. Officer
for Director General

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1. The Dean (Research), Sri Ramachandra Institute of Higher Education and Research, Porur, Chennai, Tamil Nadu - 600 116
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Admin. Officer
for Director General