



No. RDO/643/25

Dated: 10th June 2025

MEMO

The undersigned is directed to convey that the Board of Governors in its 5th Special Meeting held on 27th March 2025 approved the proposal for creation of the Arun and Dhriti Deb Centre of Water and Environment Studies (ADDCWES) at IEST, Shibpur with the following suggestions.

- (i) The head of the new centre should be named as the Centre Director (CWES) instead of director CWES as mentioned in the proposal.
- (ii) Director, IEST, Shibpur will fix the working hours for the Centre Director in consultation with the Dean (R&C), Dean (IR&AA), Dean (FW) and the concerned HoD. The report of the same to be placed in the next meeting of the BoG.
- (iii) A detailed guideline shall be developed by the IEST authority for the chair professors, adjunct faculty members of the centre and for the smooth operation of the Centre.
- (iv) Meeting of the Governing Council of the respective Centre shall be held once every quarter. An annual report shall be placed in the meeting of the BoG.
- (v) The Governing Council will be responsible for overall supervision and management of the centre in addition to the follow-up measures and ensuring the long-term sustainability of these centres from time to time following the provisions of the Statute, Ordinances, Orders and the decision of the Statutory Bodies of IEST, Shibpur.
- (vi) The tenure of the member/s other than ex officio members of the Governing Council shall be 3 years from the date of appointment.
- (vii) The donor may be requested to send the name of the nominee of the donor.
- (viii) The Registrar was requested to take up the matter with the Income Tax Department through the Institute's Tax Consultant for the 80G certificate w.r.t. the Institute.



कुलसचिव कार्यालय / निबन्धक कार्यालय / Office Of The Registrar
भारतीय अभियांत्रिकी विज्ञान एवं प्रौद्योगिकी संस्थान, शिवपुर
ভারতীয় প্রকৌশল বিজ্ঞান এবং প্রযুক্তিবিদ্যা প্রতিষ্ঠান, শিবপুর
INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR
AN INSTITUTE OF NATIONAL IMPORTANCE

The Board of Governors in its 5th Special Meeting held on 27th March 2025 has also approved the following recommendations of the 3rd Special meeting of Finance Committee held on 27th March 2025.

- (i) The Institute is allowed to invest the corpus to the tune of Rs. 7.00 (seven) crore in a nationalised bank in fixed deposit and also in a mutual fund as proposed in the proposal.
- (ii) The word “Top Up Salary” may be replaced with the “Honorarium” for the Chair Professors and Adjunct Faculty.
- (iii) Separate accounts be maintained in the Research and Consultancy division of the Institute.

This is for information and necessary action please.

Enclo: Proposal for establishment of
CENTRE OF WATER AND ENVIRONMENTAL STUDIES(CWES)


कुलसचिव /Registrar & Secretary BoG

To:

1. Prof. Anirban Gupta, Professor, Dept. of Civil Engineering
2. Prof. Pratik Dutta, Dean (Research and consultancy)
3. Joint Registrar (Finance)
4. Assistant Registrar (R & C)

Copy to:

1. All Deans
2. All Heads of Departments/Schools/Centres
3. Joint Registrar (Finance)
4. All Officers
5. PS to the Director
6. PS to the Registrar
7. Record Section
8. Institute Website

Spl BoG 5:01

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Established on 24th November, 1856 : Formerly known as B.E. College, B.E. College (Deemed University) and Bengal Engineering and Science University, Shibpur

Indian Institute of Engineering Science and Technology, Shibpur

Relevant extract of the minutes of the 38th meeting of the Senate held on 24th March 2025 at 16:00 hrs

Item No. 38.05 (a) To consider and approve the proposal for creation of Arun and Dhriti Deb Centre of Water and Environment Studies (ADDCWES).

Details Proposal is enclosed

[Annex: 38.05 (a) |

Resolution 38.05 (a)

Prof. Anirban Gupta, Professor, Department of the Civil Engineering, presented the proposal before the Senate, and after detailed discussion and deliberation, it was **RESOLVED THAT**

The Senate recommended to the Finance Committee and Board of Governors for consideration and approval of the proposal for the creation of the Arun and Dhriti Deb Centre of Water and Environment Studies (ADDCWES) at IEST, Shibpur.

Resolution 38.05 (b) To consider and approve the proposal for creation of Chira Sree Centre of Sustainable Infrastructure Development (CCSID)

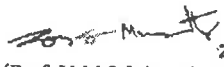
Details Proposal is enclosed

[Annex: 38.05 (b) |

Resolution 38.05 (b)

Prof. Anirban Gupta, Professor, Department of the Civil Engineering, presented the proposal before the Senate, and after detailed discussion and deliberation, it was **RESOLVED THAT**

The Senate recommended to the Finance Committee and Board of Governors for consideration and approval of the proposal for creation of the Chira Sree Centre of Sustainable Infrastructure Development (CCSID) at IEST, Shibpur.


(Prof. V M S R Murthy)
25/03/2025
Director, IEST, Shibpur and Chairman, Senate


(CA Biswajit Bhattacharyya)
Registrar and Secretary to the Senate

PROPOSAL FOR ESTABLISHMENT OF
CENTER OF WATER AND ENVIRONMENTAL STUDIES (CWES)

at the

Indian Institute of Engineering Science and Technology, Shibpur

INTRODUCTION

IEST, Shibpur has envisaged an active role in dealing with new directions and concerns emerging from various day to day environmental problems. Faculty members at IEST Shibpur have been involved with significant research activities in the fields of water and environment. The research on water and environment needs concerted multidisciplinary inputs and coordination, which will be geared up through a dedicated Centre where faculty members and researchers from a number of departments/specialisations will be able to work together to find out the solutions/strategies for manifold environmental challenges. With the diverse academic and research background of its faculty, the Centre is uniquely placed to conduct path breaking and interdisciplinary research in environmental sciences. The establishment of a separate Centre will help to focus and scale-up the research for technology development in appropriate and state-of-the-art areas of water and environment.

Such a Centre for research is expected to attract several national and international researchers and funding. The post-graduate programme and activities of the Centre will be designed addressing the needs and challenges of major industrial sectors, governmental sectors (MHRD, MOEF, CSIR, DST, AICTE), international agencies (WB, UNDP/UNEP, UNIDO), and various funding institutions. The Centre will also be able to contribute in several flagship programmes of Government of India and of the States like National Watershed Mission, National River Conservation Plan, Smart Cities Mission, Namami Gange - National Mission for Clean Ganga (NMCG), Swachh Bharat Mission (SBM), Nirmal Bangla, National Mission for Green India (GIM), National Mission for Waste to Wealth, National Mission on Strategic Knowledge for Climate Change (NMSKCC), Atal Mission for Rejuvenation and Urban Transformation (AMRUT), Jal Jeevan Mission (JJM), etc.

VISION:

To be a leader in research and education in water and environmental studies, fostering sustainable solutions for local, national and global challenges.

MISSION:

To educate and empower students and researchers through interdisciplinary innovative research, foster collaboration among departments, and focus on societal goods, community engagement, and address the local, national and global critical water and environmental issues

The proposed Centre of Water and Environmental Studies (CWES) is envisioned as a pioneering facility dedicated to addressing critical water and environmental challenges through innovative research, interdisciplinary collaboration, and community engagement. The vision and mission of the Centre emphasize fostering sustainable solutions for educating students and researchers in the area of water and environmental studies and also to develop relevant awareness among the people for protection of environment.

EDUCATION AND RESEARCH

The emphasis of the Centre (CWES) will always be on research, training and education. The centre will also engage itself with several relevant activities.

- The Centre may conduct teaching at postgraduate levels and state-of-the-art research in Ph.D. and post-doctoral levels.
- * A few special Undergraduate research programme may also be conducted using part of the seed research money.
- Open electives on water and environment issues for UG/PG/PhD level may be introduced and taught by the faculties associated with the Centre.
- The Centre may introduce a postgraduate course in Environmental Science/Environmental Management with a curriculum designed to cater the needs of industry and government sectors.
- Specially designed executive development and training programmes will be offered for officials from industry as well as from government sectors.
- Faculty, students and research scholars of the Centre should publish their research findings in renowned national and international journals. A provision for awards to researchers for their publications will be a part in this proposal.
- CWES will also provide support to spin-off startups in relevant cases.
- To organize seminars/workshops/awareness programmes on a regular basis (at least once a year) and to publish proceedings (peer reviewed)/booklets/videos/podcasts/IEC materials, etc.
- Any other relevant activities commensurate with the vision and mission of the Centre

Initially, the Centre should focus on local water and environmental issues to benefit local communities as soon as possible. The Centre should collaborate with local governments and other institutions such as East Kolkata Wetlands Management Authority, Sundarban Development Authority, Pollution Control Boards, State Governments, leading non-government organisations (NGOs), Geological Survey of India, Central Groundwater Board, State Water Investigation Directorate, Public Health Engineering Directorate, Ministry of Jal Shakti, Damodar Valley Corporation (DVC), Coal India, NMDC, and many other private industries to identify local water and environmental issues, and developing priorities of research, results of which will have immediate impact on local communities. The Centre should also try to get sponsors for these research studies. Working as a partner centre in some national mission programmes can develop a good relation with the government.

Additionally, the Centre emphasizes interdisciplinary research and education on emerging themes related to sustainable development, environmental impacts, remediation of climate change, water resources systems analysis, watershed hydrology, water dam storage and flood management, green infrastructure, green energy, water sustainability, water reuse and zero discharge, groundwater recharge, solid waste management, air pollution control, industrial effluent treatment, water and wastewater treatment, circular economy for waste management, and other environmental issues.

Masters and Ph. D. programme students of water and environmental areas may consider to conduct their research under the umbrella of the Centre of Water and Environmental Studies. Since the programmes under this Centre are multidisciplinary, students should develop their research programmes involving multiple departments, enabling them to pursue research topics that cross traditional boundaries and prepare for leadership positions in academia, private, and public sectors.

ORGANISATIONAL PLAN

The Centre will be multidisciplinary in nature and the interested faculty members from the Engineering, Science, Management and Humanities Departments will be associated with the Centre for research, training and education purposes. The Centre will be headed by a Director in the rank of a full-time Professor of IEST, Shibpur. The Director's position will be that of a Chair Professor, proposed to be named **Arun Deb Chair Professor** and should be selected from highly experienced full professors in any department of IESTS with good academic and administrative experiences. Dr. Arun Deb is an internationally renowned academician and consultant in the field of water and environmental engineering. The Director of the proposed Centre of Water and Environmental Studies (CWES) will directly report to the Director of IEST with a link with the parent department. This arrangement will make the Centre semi-autonomous, thus making CWES open to all departments of IEST. This will be necessary to make the Centre multidisciplinary with the involvement of all interested departments.

The Director of the Centre will be supported by a few (initially two) selected faculty members (Professor) (Chair Professors) of the various departments of IEST, Shibpur. These supporting faculty members will report to their respective heads of departments, and in addition, they will also report to the Director of CWES. These positions will also be those of Chair Professors. The first position is proposed to be named **Kalyan Kumar Bhar Chair Professor**, and the second one is proposed to be named **Amal Kumar Datta Chair Professor**, both were faculty members of the Institute and their contributions in the field of water and environmental research were commendable. The Chair Professors will be provided with a top-up salary.

Once the Centre is officially approved by the Academic Senate followed by the Board of Governors of IESTS, an immediate task of the Governing Council of the Centre, will be to select a Director for the Centre. To run the Centre efficiently, it is of utmost importance that a proper person for the position of Director is selected. The Director should have a minimum of twenty years of academic and administrative experience and is well recognised in the field of water and environmental areas. Once the Director of the Centre is selected, the Director will have the primary responsibility to organise the Centre and select other faculties and non-academic positions with the help from the Governing Council.

Faculty members of IEST, Shibpur will be encouraged to participate in research/teaching/training/outreach programmes of CSID as associated/adjunct faculty. Some regular faculty members for the Centre may be required to introduce any post-graduate degree programme. The Chair Professors and Adjunct Professors will be selected by the Governing Council for an initial term of three years. Reappointment is also possible for further terms. Additional positions of Chair Professors/Adjunct Faculty may be created if additional return on investment of any endowment is available for the purpose.

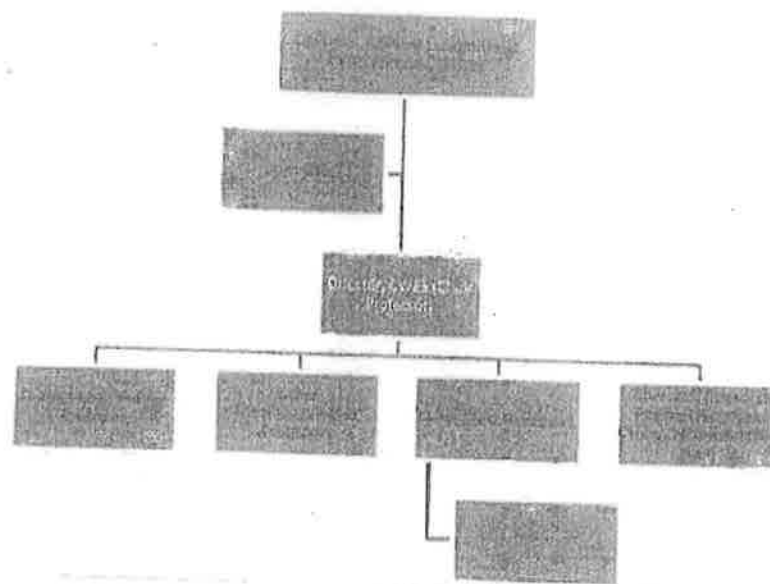
In addition to these chair professors/adjunct faculty, it is also necessary to hire one full time Research Engineer/Scientific Officer to help in writing proposals, conducting research, writing reports and publishing papers. The candidate should preferably have doctorate degree in any relevant field with reasonable research experience with publications. Few other full-time positions like technical/laboratory assistants, office secretary/assistant will also be required for effective functioning of the Centre. The full-time staff will be appointed for a term of three years initially and their appointment may be renewed based on the appraisal of their performance. Reappointment is also possible for further terms. Candidates for both these positions should preferably have master's degree in science or bachelor's

degree in engineering in relevant field with suitable experience. Additional positions of technical staff may be created if additional return on investment of any endowment is available for the purpose.

While addressing a vast range of water and environmental issues, it is possible that the Centre may need some help from highly specialized and experienced academicians/professionals from outside the IESTS. This help will be part time and on as needed basis. These positions will be filled from nationally/internationally renowned retired academicians/professionals as Distinguished Visiting Professor. For conduct of specialised projects, any distinguished visiting consultant may be engaged for short terms.

The primary focus of all chair professors, including the Director of the Centre, would be research including writing research proposals, guiding scholars and publishing quality articles in national and international journals. This is apart from rendering some advanced testing facilities as well as conducting outreach programmes for the long-term sustainability of the Centre. Faculty members of IEST, Shibpur will be encouraged to participate in research/teaching/training/outreach programmes of CWES as associated/adjunct faculty. Some regular faculty members for the Centre may be required to introduce any post-graduate degree programme on Environmental Science.

Governing Council: For the Centre to run efficiently, it is recommended to form a Governing council for overall supervision and management of the Centre. The Governing Council may consist of the Director of IEST as the Chairperson, Dean (Research and Consultancy), Dean (Faculty Welfare), Director of CWES, Head of the any two participating departments, President of Alumni Association (GAABESU) or his/her nominee, one nominee of the donor, two members from outside of IEST (one from Academia and the other from Industry) and Director-CWES will serve as convener (before appointment of Director-CWES, Dean of Research and Consultancy will serve as the convener). The members from outside IESTS will be nominated by the Director, IESTS. Governing Council will be responsible for selection of chair professors, distinguished visiting professor, and other staff. Governing council will consider recruitment of additional staff depending on the need and availability of endowment fund. The council will also consider a periodical hike in salary.



FINANCIAL PLAN

Prof. Arun Kumar Deb an alumnus of this Institute (1957 Civil Engineering) pledged \$1 million (about Rs. 8.7 Crores) to develop the proposed Centre of Water and Environmental Studies.

Arun Deb will send a sum of US\$1,000,000 (Rs 8.7 Crores) to the Alumni Association (Global Alumni Association BESU (GAABESU) USA) during the year 2025. GAABESU USA will then transfer the money to GAABESU India in Indian Rupees. GAABESU India will then transfer the money to IEST, after signing an MOU with the IEST. Professor Arun Deb or his nominee and GAABESU USA will also be part of the MOU.

The endowment fund will be maintained by the office of Dean (Research and Consultancy) in a separate account. The endowment will be mostly invested as fixed deposits and mutual funds in nationalized bank(s). The interest will support the top-up salary of Chair professors, salary of other full-time staff, travel, lectures/seminars, maintenance of laboratory equipment, consumables, awards for published research, etc. The remaining part of the donation amount will be spent on seed research money, laboratory equipment and other capital expenditures.

The Centre will further endeavour to generate resources through research and consultancy projects, patents, laboratory testing, EDPs, and other supports/CSR/endowments. Thus additional revenue would be generated by leveraging academic and research expertise, collaborating with industries and government agencies (research grant); offering specialized training and internship; and organizing conferences and seminars.

Out of Rs 8.7 crores, it is proposed that IEST should invest Rs. 7.00 crores in a nationalized bank in Fixed Deposits and Mutual Funds. Considering rational investment in Fixed Deposits along with Mutual funds, annual return of around Rs. 57.70 lakhs is expected @ 8% p.a.

The remaining principal of about Rs 1.7 Crores will be spent on seed research money, laboratory equipment and other capital expenditures.

Salary Expenses: It is proposed to provide the following salaries for various categories of appointments in the Centre:

- **Director of the Centre (Chair Professor) :** A top-up salary of Rupees 50,000 per month.
- **Additional two Professors (Chair Professors):** A top-up salary of Rupees 30,000 per month each.
- **Three Associate/Assistant Professors (Adjunct Faculty) :** A top-up salary of Rupees 20,000 per month each.
- **One Research Engineer/Scientific Officer:** Salary of Rupees 70,000 per month
- **One Technical/Laboratory Assistant:** Salary of Rupees 50,000 per month.
- **One Office Administrator/Secretary:** Salary of Rupees 40,000 per month.
- **Part Time Honorarium of One Eminent Academician/Professional in a Specialised Field (India/abroad) (Distinguished Visiting Professor/Consultant) :** Rupees 6,00,000 per year.

Estimated Annual Salary Expense for the Centre

Serial No.	Description of Task	Expense per month (INR)	Annual Expense (INR)
1	Top Up Salary of the Director (one of the Chair Professors)	50,000	6,00,000
2	Top Up Salary of 2 other chair professors (each)	30,000	7,20,000
	Top Up Salary of 3 Adjunct Faculty (each)	20000	7,20,000
3	Salary of One Research Engineer/Scientific Officer	70,000	8,40,000
4	Salary of One Technical/Lab Assistant	50,000	6,00,000
5	Salary of One Office Assistant/Secretary	40,000	4,80,000
6	Part-Time Honorarium for Eminent Academician/ professional in a Specialised Field (India/Abroad) (Distinguished Visiting Professor/Consultant)		6,00,000
	Total		45,60,000

7. Other Expenses per year:

Rs 6,00,000

(Travel, guest lectures/seminars/conferences, maintenance/calibration of laboratory equipment, minor equipment, consumables, software, accreditation of laboratory, awards for published research)

Total Annual Expenses

Rs 51,60,000

For Inflation and Salary Increment 10.0%

Rs 5,16,000

TOTAL ANNUAL EXPENSES

Rs. 56,66,000

Any further return on investments may be utilised by the Director for best interest of the Centre.

The portion of the donation amount (about Rs.1.7 crores) which will not be invested in fixed deposit schemes may be used for salary components (as necessary) in the 1st year till the interest in fixed deposit is accrued. The number of positions of chair professors/adjunct faculty at a time will depend on available return on investments.

The Institute shall provide office and laboratory space, some furniture, basic computer and digital network facilities. Additional technical assistants recruited by the Centre from the endowment will help the operation of the laboratory and other outreach programmes. Some regular faculty members (if any degree programme at the Masters level is introduced) and some Postgraduate students and Ph. D. Research Scholars attached with the Professors of the Centre may add to the research strength. Faculty concerned will be responsible for bringing funds for supporting the Centre on a sustainable basis. The Institute will provide annual reports on activities and fund utilisation to the donor or his nominee.

The name of the Centre is proposed to be **Arun and Dhriti Deb Centre of Water and Environmental Studies (ADDCWES)** to honour the wish of Prof. Arun Kumar Deb, the donor of the endowment.

CONCLUDING REMARKS

The Centre will leverage the expertise of its faculty and collaborate with various governmental and non-governmental organizations to develop impactful research and educational programmes. With a strong emphasis on interdisciplinary research, innovative education, and community engagement, the Centre is poised to become a leader in fostering sustainable solutions for local, national, and global issues. Objectives of the Centre underscore the importance of this initiative and its potential impact on future generations. As the Centre embarks on this journey, it will continue to collaborate with various stakeholders to develop impactful research and educational programmes, ultimately contributing to a more sustainable and resilient future.