



**Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES**

(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)

MoE, UGC & AICTE Approved

**NAAC A++ Accredited**



### **SDG 17 - Partnerships to achieve the Goal**

#### **University Officials Participation in National Government or Regional Non-Government Organisations towards SDG policy development**

Karunya Institute of Technology and Sciences (KITS) has demonstrated strong leadership in SDG 17 – Partnerships for the Goals through active engagement in national, regional, and international collaborations and policy development. Under the guidance of Dr. E. J. James, Pro Vice-Chancellor, the university has collaborated with global organizations such as NASA, the World Bank, Wetlands International, SUEZ India, the University of Waterloo, and the Ramsar Bureau, alongside premier national bodies including IIT Madras Research Park, IIT Tirupati, K-DISC, Kerala Forest Research Institute, and several NGOs. These partnerships have influenced policies on water security, climate resilience, wetland conservation, and sustainable development. KITS officials have contributed to over 15 major SDG-linked national and international engagements, including media outreach, advisory committee roles, conference leadership, environmental management plans, and technology-driven research collaborations.

The institution's efforts have resulted in significant outcomes such as the development of the Integrated Water Resources Management (IWRM) Joint M. Tech Program with SUEZ, extension of the NASA–AERONET scientific collaboration, contributions to Kerala's Vision 2035 Water Strategy, and preparation of policy documents with NGOs like the M.S. Swaminathan Research Foundation and Friends of Bharathapuzha. KITS has also advanced global knowledge-sharing through the French TV documentary on climate impacts, proposals to the World Bank for training India's water leaders, and invitations to host the ICWRER 2025 International Conference. Together, these initiatives position KITS as an influential knowledge partner driving policy development, multi-stakeholder engagement, and sustainable innovation in alignment with SDG 17.

#### **Strategic Context**

In alignment with the Institutions Strategic Plan and its Sustainability Roadmap, KITS has continuously strengthened partnerships at local, national, and international levels to advance Sustainable Development Goal 17. The following initiatives represent the cumulative outcomes of these sustained collaborations.

#### **Impact and Outcomes**

These multi-stakeholder collaborations have not only enhanced KITS's global visibility but also translated research into actionable policy recommendations, technology transfers, and curriculum innovations such as the Joint M. Tech program in Integrated Water Resources Management. The cumulative impact reflects the Institutions role as a knowledge partner contributing to national and international dialogues on water security, climate resilience, and sustainable development.

## Key Collaborations and Events

| Sl. No. | Event / Activity                                 | Date/ Year | Description / Outcome                                                                                                                  | Nature of Collaboration                                |
|---------|--------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 1       | French TV Interview – CFRT (Le Jour du Seigneur) | 27.6.2023  | Interview on “ <i>Impact of Climate Change on Water Cycle</i> ” aired for a French television program on climate awareness.            | International Media Collaboration / Knowledge Outreach |
| 2       | Proposal with World Bank and Alluvium Consulting | 20.7.2023  | Joint proposal to train India’s water leaders on <i>River Basin Planning</i> in collaboration with Alluvium Consulting India Pvt. Ltd. | International Institutional & Corporate Partnership    |
| 3       | Collaboration with University of Waterloo        | 25.7.2023  | Request to host <i>ICWRRER 2025 International Conference on Water Resources and Environment Research</i> at KITS.                      | International Academic Research Partnership            |
| 4       | IITM Research Park Collaboration                 | 27.9.2023  | Collaboration on <i>Automated Wheelchair and Sustainable Transportation</i> with IIT Madras Research Park.                             | National Academic– Industry Collaboration              |
| 5       | K-DISC Vision 2035 Consultation                  | 16.8.2023  | Participation in <i>Vision 2035 Event at Trivandrum</i> ; contribution to Kerala’s Vision Document on water and innovation.            | State Government Policy Engagement                     |
| 6       | Industry–Academia Meet (Israel)                  | 24.8.2023  | Consultation with Deputy Consul General of Israel for Industry–Academia Meet in Jerusalem.                                             | International Diplomatic and Academic Engagement       |
| 7       | Wetlands International Collaboration             | 9.10.2023  | Review and feedback on <i>Vembanad–Kol Wetland Management Plan (Ramsar Site)</i> .                                                     | International Environmental NGO Partnership            |
| 8       | Wetlands International South Asia – Invitation   | 1.9.2023   | Invitation to <i>World Wetlands Day</i> on “ <i>Wetlands and Human Wellbeing</i> ” at India Habitat Centre, New Delhi.                 | International Event Participation / Policy Network     |
| 9       | Appointment to Committee –                       | 1.9.2023   | Dr. James appointed to <i>Skills &amp; Qualification</i>                                                                               | International Advisory                                 |

|    |                                                                                                                                 |           |                                                                                                                     |                                                                                                                                                                                                  |
|----|---------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Wetlands International South Asia                                                                                               |           | Matrix Committee for governing body formation.                                                                      | Committee Membership                                                                                                                                                                             |
| 10 | Kerala Forest Research Institute Collaboration                                                                                  | 22.3.2024 | Invitation to speak at <i>World Water Day Workshop on Forest Hydrology</i> .                                        | National Research Institution Collaboration                                                                                                                                                      |
| 11 | Collaboration with M.S. Swaminathan Research Foundation                                                                         | 25.3.2024 | Contribution to publication on <i>Pampa River Management – Empowering Local Governments</i> .                       | NGO Policy & Knowledge Partnership                                                                                                                                                               |
| 12 | NGO Collaboration – Friends of Bharathapuzha                                                                                    | 4.5.2024  | Invited as keynote speaker at <i>Water Conference, Palakkad</i> to promote sustainable river management.            | Civil Society & Environmental NGO Engagement                                                                                                                                                     |
| 13 | NASA Collaboration – AERONET Project                                                                                            | 2024      | Extension of NASA–KITS partnership on <i>Aerosol Research Network (AERONET)</i> confirmed by NASA HQ.               | International Government Scientific Collaboration                                                                                                                                                |
| 14 | IIT Tirupati Technology Innovation Hub                                                                                          | 30.5.2024 | Invitation to participate in seminar “ <i>Innovations in Underwater Navigation</i> ” with Indian Navy at IIT Delhi. | National Academic and Defence Research Collaboration                                                                                                                                             |
| 15 | M.Tech Joint Program with SUEZ India                                                                                            | 2024      | Initiation of joint postgraduate program on <i>Integrated Water Resources Management (IWRM)</i> .                   | Academic–Industry Curriculum Collaboration                                                                                                                                                       |
| 16 | Interaction with Kol Wetland Farmer Groups                                                                                      | 9.9.2023  | Regular engagement with local farmers for Sustainable Wetland Management and livelihood programs.                   | Community Partnership and Stakeholder Engagement                                                                                                                                                 |
| 17 | Collaboration with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Indo-German Biodiversity Programme (IGBP) | 2023      | Hydro-Ecology of Point Calimere Wildlife And Bird Sanctuary, Tamil Nadu<br>An Assessment For Integrated Management  | An assessment for integrated management<br><a href="https://indianwetlands.in/wp-content/uploads/library/1675678121.pdf">https://indianwetlands.in/wp-content/uploads/library/1675678121.pdf</a> |

## **Narrative of Activities**

Karunya Institute of Technology and Sciences (KITS) has actively strengthened national and international partnerships through a diverse set of activities spanning scientific collaboration, policy engagement, community outreach, and global knowledge exchange. The institution contributed significantly to climate and water-related policy dialogues, beginning with a French Television (CFRT) interview on “Impact of Climate Change on the Water Cycle” (27.06.2023), which enhanced global public awareness. KITS deepened international ties through a joint proposal with the World Bank and Alluvium Consulting (20.07.2023) aimed at training India’s future water leaders in river basin planning. The University of Waterloo (25.07.2023) recognized KITS’ expertise and requested to host the prestigious ICWRER 2025 conference on campus.

Parallely, KITS expanded national collaborations through the IIT Madras Research Park (27.09.2023) on automated wheelchairs and sustainable transportation, and contributed to Kerala Development and Innovation Strategic Council (K-DISC) Vision 2035 consultations (16.08.2023) shaping water resource strategies. International diplomatic engagement was strengthened through discussions with the Deputy Consul General of Israel (24.08.2023) for an Industry–Academia Meet in Jerusalem. Environmental stewardship was further advanced through a series of collaborations with Wetlands International, including review of the Vembanad–Kol Wetland Management Plan (09.10.2023), participation in World Wetlands Day at India Habitat Centre, New Delhi (01.09.2023), and appointment of Dr. James to the Skills & Qualification Matrix Committee (01.09.2023).

KITS also made significant contributions within India through lectures and expert consultations with the Kerala Forest Research Institute (22.03.2024), the M.S. Swaminathan Research Foundation (25.03.2024) for Pampa River governance, and the NGO Friends of Bharathapuzha (04.05.2024) to promote sustainable river management. Its scientific credibility was further recognized when NASA Headquarters confirmed the extension of the long-standing AERONET collaboration with KITS (2024). The institution also partnered with IIT Tirupati’s Technology Innovation Hub (30.05.2024) for discussions on underwater navigation technologies with the Indian Navy.

Academically, KITS launched an innovative M.Tech Joint Program in Integrated Water Resources Management (IWRM) with SUEZ India (2024), fostering a new model of industry-driven curriculum development. At the community level, the institution maintained continuous engagement with Kol Wetland farmer groups (09.09.2023) to enhance sustainable agriculture, wetland conservation, and livelihood improvement. Additionally, KITS collaborated with GIZ’s Indo-German Biodiversity Programme (2023) on a hydro-ecological assessment of the Point Calimere Wildlife and Bird Sanctuary, contributing data and insights for integrated ecosystem management.

Together, these activities reflect KITS’ strong leadership in SDG 17 through multi-level collaborations that bridge scientific research, policy development, community empowerment, and global sustainability partnerships.

## **SDG Engagement in Policy Development**

## TV Interview with a French Channel on 'IMPACT OF CLIMATE CHANGE ON WATER CYCLE'.

Stéphanie TESSON <s.tesson@ext.cfrt.tv>

Jun 27, 2023, 6:42 PM

to me

Dear Professor James,

I am contacting you on behalf of Father Ignacimuthu.

I'm editor-in-chief for Le Jour du Seigneur, a French TV Company. We are preparing a series of TV programs on creation care, based on Laudato Si, from Pope Francis. The programs are weekly broadcasts, 26 minutes each Sunday. They include short interviews by Zoom with someone from the South presenting the concrete impacts of climate change in his country.

Our next program will be devoted to water-related issues. I would be very happy to do an interview with you about this topic.

The interview should be very simple and educational to help the French public understand the issues at stake.

## Proposal sent to the World Bank – India Office, along with Alluvium Consultants Ltd to Train Water Leaders of India on 'RIVER BASIN PLANNING'.

On Thu, 20 Jul 2023, 6:52 pm Hemanta Sarkar, <[hemanta.sarkar@alluviumgroup.in](mailto:hemanta.sarkar@alluviumgroup.in)> wrote:

Dear Dr. Chabungbam Rajagopal Singh,

Following several discussions with you, we, are pleased to offer a proposal for **Inspiring and supporting India's water leaders on river basin planning in India**. We are hereby submitting our Proposal, which includes this Technical Proposal and a Financial Proposal.

We are submitting our Proposal with **Karunya Institute of Technology and Sciences (Deemed to be University under Sec.3 of the UGC Act. 1956) (JV Partner)** and **M/s. Alluvium Consulting India Pvt Ltd. (as a sub-consultant)**.

Looking forward to working with you.

Warm Regards,

Hemanta Sarkar | **Alluvium Consulting India**  
P +91 98109 75035

## Request from the Water Institute of the University of Waterloo for a Detailed Proposal to Jointly Conduct the International Conference on 'Water Resources and Environment Research' at KITS

----- Forwarded message -----

From: **Kumaraswamy Ponnambalam** <[ponnu@uwaterloo.ca](mailto:ponnu@uwaterloo.ca)>

Date: Tue, 25 Jul 2023, 3:42 am

Subject: Formal request for ICWRER 2025 to be held in December 2025 at Karunya University

To: [ejamesm@gmail.com](mailto:ejamesm@gmail.com) <[ejamesm@gmail.com](mailto:ejamesm@gmail.com)>

Cc: esther P <[esther.jegatha2011@gmail.com](mailto:esther.jegatha2011@gmail.com)>, Keith Hipel <[kwhipel@uwaterloo.ca](mailto:kwhipel@uwaterloo.ca)>

Dear Pro Vice Chancellor Professor James,

Thanks for your time and the nice meeting we had recently and your willingness to conduct the conference at the Karunya University. I have attached an almost done proposal to save you much time and some information need to be still filled in by Karunya university which I have left open. Also attached are some other documents regarding the conference organization at the international level currently active.

## Collaborations with IITMRP by the Faculty and Students on Automated Wheelchair and Sustainable Transportation

**From:** James E. J. <[eejamesm@gmail.com](mailto:eejamesm@gmail.com)>  
**Sent:** Thursday, July 27, 2023 7:19 PM  
**To:** ashok.jhunjunwala <[ashok@tenet.res.in](mailto:ashok@tenet.res.in)>  
**Cc:** [krskrishnan@kanarya.edu](mailto:krskrishnan@kanarya.edu)  
**Subject:** Re: Meeting @ AWCV & HASTIC celebration at IITM Research Park

Dear Prof Ashok,  
It was a real pleasure to learn from the young innovative minds. IITMRP has proved once again that 'Impossible is Possible'. The initiative has considerably helped our students. Thank the entire team there for their dynamic and polite interaction with us. Dr Krishnan and myself always enjoy your sense of commitment and humour. Looking forward to more such interaction,  
James

On Thu, 27 Jul 2023, 4:51 pm Dr. Ashok Jhunjhunwala, <[tenetoflaco@tenet.res.in](mailto:tenetoflaco@tenet.res.in)> wrote:  
To  
Dr. E.J. James  
Pro-Vice Chancellor  
Karunya Institute of Technology And Sciences  
Karunya Nagar, Coimbatore - 641 114  
Mob : +91 94878 46504 / +91 98958 32581

Dear Dr James,

It was great to meet you last week during the celebration of "Impossible Is Possible: Technical Abilities of our Youth" at IITM Research Park.

Stay in touch.

Thanking You,

(Ashok Jhunjhunwala)

**Vision Document of Kerala for Future Water Resources Development – Collaboration with K-DISC (Kerala Development and Strategic Council, and Concept Paper Presentation)**

 **James E. J. vajjames@gmail.com** Aug 16, 2023  
9:06 PM

to: Prof., ananthan, rani, dr. Dr. Jagan, jagan, SRINIVAS, geetha, ananthan, anu  
agru, Arun, Dr. Moha, thannamurthy, Kerala, vijaya, ChM, Ajayana, ipa, a, anand,  
v. v. shya, a, parathottan, vijaya, M.D. Lakshmi;

Dear Dr. Sankish,  
It has been a great pleasure to meet and interact with all of you during the President Meet 2023. It  
will be fine if you can come out with a Vision Document for Kerala in the areas of Education  
and Technology.  
Respect,  
James  
vajjames@gmail.com

On Wed, 30 Aug 2023, 11:18 pm ananthan vijayatharan, [vijayatharan@gmail.com](mailto:vijayatharan@gmail.com) wrote:

Dear Sankish,  
It was a great pleasure meeting you at the Vision 2039 event under President's Meet 2023 held at  
Thiruvananthapuram from 27-31 August 2023. On behalf of Dr. P. V. (University, Member Secretary,  
K.D.S.C. and the entire K.D.S.C. team, I would like to extend a warm thank you for attending this  
event on 12th August 2023. Your presence at our event made it all the more special and we ap-  
preciate your input. We really enjoyed our conversation about various leaders' initiatives on  
Vision 2039 and looking up your valuable insights on the topic.

We believe that your valuable insight would inspire and motivate participants to pursue their vision  
aiming to be a groundbreaking comprehensive document for Kerala development. Therefore, request  
you kindly provide the article/contributed of your presentation as early as possible for the preparation  
of the Proceedings of the Vision 2039.

With warm regards,  
Yours sincerely  
Dr. V. Sankish,  
Co. Coordinator  
K.D.S.C., Thiruvananthapuram.

## Industry - Academia Meet in Jerusalem – Preliminary Consultation with DCG of Israel in Bangalore

Zoom Meeting - Deputy Consul General of Israel with Dr. E J James - Karunya University  
Coimbatore- Industry- Academia Meet in Jerusalem

Inbox

Aug 24, 2023 • 3:00 PM – 4:00 PM

Zoom Meeting - Deputy Consul General of Israel with Dr. E J James - Karunya University

Coimbatore- Industry- Academia Meet in Jerusalem



<https://us06web.zoom.us/j/87063306575?pwd=N3RGMFk3VlU1M1ZuSUh2aS9HMTVlUT09>

Public Diplomacy - Consulate General of Israel in Bangalore - Organizer  
DCM - Consulate General of Israel in Bangalore

On your Google Calendar  
No other events on this day

## Collaboration with Wetlands International in Preparing a Management Action Plan for the Vembanad-Kol Wetland – A Ramsar Site

Vembanad Kol IMP final draft report

Inbox

R

Ritesh Kumar <[ritesh.kumar@wi-sa.org](mailto:ritesh.kumar@wi-sa.org)>

Mon, Oct 9,  
2023,  
8:53 AM

to me

Dear Dr James,

The Vemaband Kol management plan is attached for your kind review and comments.

Sincerely yours

Ritesh Kumar

----- Forwarded message -----

From: Kalpana Ambastha <[kalpana.ambastha@wi-sa.org](mailto:kalpana.ambastha@wi-sa.org)>

Date: Thu, 5 Oct 2023 at 6:56 PM

Subject: Vembanad Kol IMP final draft report

To: johncmdoecc <[johncmdoecc@gmail.com](mailto:johncmdoecc@gmail.com)>, swakprofessionals <[swakprofessionals@gmail.com](mailto:swakprofessionals@gmail.com)>, Dr P S Hari Kumar <[drpshari@gmail.com](mailto:drpshari@gmail.com)>, Renjith <[renjith@cwrdm.org](mailto:renjith@cwrdm.org)>, Asghar Nawab <[asghar.nawab@wi-sa.org](mailto:asghar.nawab@wi-sa.org)>, Ritesh Kumar <[ritesh.kumar@wi-sa.org](mailto:ritesh.kumar@wi-sa.org)>

Dear Colleagues,

A final draft of the Vembanad Kol IMP is attached for your kind perusal. An Executive Summary is to be added which we will be doing by this Monday. The detailed action plans with budgets are also attached as a zip file.

Please share your feedback and also advise in case we have missed anything.

Best regards,

--  
Kalpana Ambastha  
Technical Officer

## Networking with Ramsar Bureau, MoEFCC - GoI, and State Wetland Authority Kerala on the Report of KITS on Kol Wetland (Ramsar Site) and Climate Change.



**From:** "Chandan Singh" <[c.singh@nic.in](mailto:c.singh@nic.in)>  
**To:** "SWAK, Govt of Kerala DoECC" <[swak.kerala@gmail.com](mailto:swak.kerala@gmail.com)>, "STATE WETLAND AUTHORITY KERALA" <[swak.envt@kerala.gov.in](mailto:swak.envt@kerala.gov.in)>, "pamidisuneel" <[pamidisuneel@gmail.com](mailto:pamidisuneel@gmail.com)>  
**Cc:** [brema@karunya.edu](mailto:brema@karunya.edu), "James J" <[jamesej2007@yahoo.co.in](mailto:jamesej2007@yahoo.co.in)>, "RAGHU KUMAR KODALI" <[kodali.rk@gov.in](mailto:kodali.rk@gov.in)>, "Sujit Kumar Bajpayee" <[sujit.baju@gov.in](mailto:sujit.baju@gov.in)>  
**Sent:** Tuesday, December 13, 2022 12:49:02 PM  
**Subject:** Fwd: RRC-EA Wetland fund 2023

Dear Sir/Madam,

Please find attached a copy of the project proposal "**Evaluation of ecosystem services in the context of climate change – Kol Wetlands, India**" submitted by the Karunya Institute of Technology and Sciences, Coimbatore seeking wetland funds from RRC-EA. It is requested to kindly confirm whether any study of similar nature has been undertaken by SWAK/State Government of Kerala by return email. The Project Proponent ought to at least engage with the SWA or similar bodies to ensure that there is no duplication of effort and also that the proposal has synergies.

This may be treated as most urgent.  
With regards

Chandan Singh  
Consultant  
Wetlands Division , MoEF&CC

## Committee Constituted by Wetlands International to Identify Skillsets for Wetland Experts

Wetlands International South Asia  
Module 003, Ground Floor  
NSIC Business Park  
Okhla Industrial Area  
New Delhi – 110020, INDI Order

Constitution of a committee to prepare Skills and Qualification matrix for Governing Body and Office Bearers for Wetlands International South Asia Society  
As per rule 13.2 of the Wetlands International South Asia Society Rules and Regulation, the President was authorised to constitute a committee to prepare a skill and qualification matrix for the approval of the Governing body.

The Society Rules and Regulation stipulate that the Governing Body composition shall reflect diversity in skillsets, disciplinary expertise, regional experience, gender and age and overall having vast expertise in wetland conservation/nature conservation. Subsequently, to operationalize this decision, an amendment to the Rules was effected in September 2023, wherein it was decided that the 'President shall constitute a Committee to prepare a Skills and Qualification Matrix for the Governing Body and Office Bearers. This Skills and Qualification Matrix shall be approved by the Governing Body'. Three months prior to elections, a three-member Screening Committee appointed by the President shall use this Matrix to prepare a list of eligible members for nomination as President and Governing Body members.

1. The President herewith constitutes a Skills and Qualification committee of the following individuals:

- 1) Dr Asad Rahmani, Founder Member, WISA Society
- 2) Dr Ajit Pattnaik, Founder Member, WISA Society
- 3) Prof E J James, Founder Member, WISA Society
- 4) Ms Archana Chatterjee, Nominated Member, WISA Society

## Involvement with the Kerala Forest Research Institute on Forest Hydrology



Pawan Wable <pawan.wable@kfri.res.in>

Mar 2, 2024,  
11:54 AM

to me, Wable

Dear Sir,

I am forwarding you the mail from our Director for the World Water Day workshop invitation (22 March 2024). Please find the attachment for the invitation letter.

Thanking you,

With kind regards,

Pawan

Pawan S. Wable, PhD  
Scientist (Forest Hydrology),  
Department of Soil Science,  
Sustainable Forest Management Division,  
Kerala Forest Research Institute,  
Peechi- 680 653, Thrissur, Kerala  
Tel: +91-954-789-1559

## Collaboration with the NGO - MS Swaminathan Foundation, Chennai – Preparation of Policy Document

Inbox

Pampa MSSRF <pampamssrf@gmail.com>

Mon, Mar 25,  
2024, 12:00 PM

to bcc: me

Dear All,

We are happy to reach out to you with the recent publication titled [Equipping local self governments and development practitioners in managing common pool resources – A case of Pampa River in Kerala State, India](#) which has come out of the project that all of you were a part of.

Thank you for all your support!

Regards

for the Authors of the Case Study  
Team M S Swaminathan Research Foundation

## Collaboration with the NGO – the ‘Friends of Bharathapuzha’ Water conference, 26th May 2024.

Splash

Friends of Bharathapuzha <fbhara@gmail.com> Sat, 5 May 2024, 11:11 AM

to: you

Dear Sir,

Warm wishes to!

As we write earlier, we wish to get you as a key speaker in our water conference. The proposed water conference has been themed in a way, it would bring tangible outcomes from for the whole district. As we are moving towards more and more water sensitive villages, this could be a stepping stone towards building a sustainable water management plan for the Panchayat district.

We know, one day could be too short but we thought of kick starting with weekday event and later leverage as we progress. This will be the beginning and not keep the last evening.

Few words about F-o-B, Friends of Bharathapuzha started way back in 2018 with the support and backing from Dr. E. Swaminathan. We have been working on river Nila / Bharathapuzha restoration for the last five years.

The conference is structured in a way, everyone gets a space and can contribute. There will be three segments. Segment one will be the inauguration, which will be between 9.30 – 10.30. It is expected to get the water minister and a few MLAs. The main segment will be the main one, which will have four key thematic presentations, in which, we want to call you as a main speaker. Kindly look into this and let us know.

Post lunch, we will have thematic group discussions. We wish to have all participants contribute all aspects of water.

We wish, if could also connect us to someone whom you feel should be considered for the workshop from your esteemed institution.

Looking forward to hearing from you. Will share the other conference artefacts shortly.

Yours & Regards,  
Arvind M. Mundayar  
General Secretary  
Friends of Bharathapuzha  
0994922719

## Invitation to Participate in "Innovations in Underwater Navigation" Seminar and Further Collaboration in the Area with IIT

Inbox

 **Roshan Karan Srivastav** <roshan@iittp.ac.in> Thu, May 30, 2024, 7:58 PM

to Director, me, PRAWIN, RAJESH, vidhyak, nandhakumar@karunya.edu, ku, underwater navi,

Dear Sir,

Greetings from IIT Tirupati Technology Innovation Hub

I am pleased to extend a special invitation for you to participate at our upcoming seminar, "Navigating the Depths: Innovations in Underwater Navigation," hosted by the IIT Tirupati Navavishkar I-Hub Foundation (IITTNIF) in collaboration with the Indian Navy. Scheduled for June 14, 2024, in New Delhi, this event promises to be a groundbreaking assembly of minds in the field of underwater navigation technologies.

**Event Highlights:**

- Date: June 14, 2024
- Venue: IIT Delhi Research and Innovation Park, New Delhi
- Keynote Speakers: Industry leaders and acclaimed academics
- Sessions Include: Latest advancements in underwater tech, practical applications, and collaborative opportunities.

This seminar is not just a platform to share knowledge but also a unique networking opportunity that will connect you with peers and pioneers in the industry. We are also extending an invitation for you to nominate colleagues or peers from your organization who would benefit from attending this important event.

**Nominate and Registration**  
 Link: [https://docs.google.com/forms/d/e/1FAIpQLSdpFACmyaDVI7zXoqB\\_jpVt4xsQRNymoblpjNev1UNGrFPjsg/viewform](https://docs.google.com/forms/d/e/1FAIpQLSdpFACmyaDVI7zXoqB_jpVt4xsQRNymoblpjNev1UNGrFPjsg/viewform)  
 Brochure Link: <https://drive.google.com/file/d/106gIo0epMpVAukUmm8YbAInG3-fscs6I/view?usp=sharing>  
 Website Link: <https://sites.google.com/iittp.ac.in/underwater-navigation/home>

## Interaction with the Farmer NGOs and Groups of Kol Wetland of Thrissur – A Ramsar Site



### Strategic Interventions for Sustainable Development

| Name of the Project                                                                     | Name of the Funding agency                                                                                      | Type<br>(Government/<br>Non-<br>Government) | Funds<br>provided |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------|
| Strategies for Improving the Performance of Concrete under Extreme Fire Conditions      | Ministry of Innovation and Technology of Hungary through the National Research, Development and Innovation Fund | Government                                  | €56,800           |
| Evaluation of Ecosystem Services in the Context of Climate Change - Kol Wetlands, India | Ramsar Regional Center - East Asia                                                                              | Non-Government                              | 7.98 Lakh         |
| Design of 2 TPD Rotary Kiln Gasification Pilot Plant with high CV syngas Production     | Techurja                                                                                                        | Non-Government                              | 10 Lakh           |

### SDG Strategies in Policy Development

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p style="text-align: center;"><b>APPENDIX I</b></p> <p style="text-align: center;"><b>PROCEEDINGS OF THE MEMBER SECRETARY</b></p> <p style="text-align: center;"><b>STATE PLANNING BOARD</b></p> <p style="text-align: center;">(Presided: Sri. Yashwantrao Chavan IAS)</p> <p>Subj: Formulation of Fourteenth Five Year Plan (2022-27) - Constitution of Working Group on Water Resources - reg.</p> <p>Ref: 1. Memo No. SPB/2021/PC/2021 dated: 23/08/2021</p> <p>2. Guidelines on Working Group</p> <p>3. This Order order of even number dated 08/09/2021</p> <p style="text-align: center;"><b>ORDER No. SPB/2021/Agri(5) Dated: 14/09/2021</b></p> <p>As part of the formulation of Fourteenth Five Year Plan, it has been decided to constitute various Working Groups under the priority sectors. Accordingly, the Working Group on Water Resources is hereby constituted with the following members. The Working Group shall also take into consideration the guidelines and 2<sup>nd</sup> above in briefing the tasks outlined in the Table for the Group.</p> <p><b>Theme:</b></p> <p><b>RIVER BASIN PLANNING: BHARMAH FOR GOVERNANCE AND ADMINISTRATION.</b></p> <p><b>Co-Chairpersons:</b></p> <ul style="list-style-type: none"> <li>Dr. E. J. Jeyaraj, Pro-Vice-Chancellor, Kuvempu Institute of Science and Technology, Channarayana</li> <li>Mr. V. R. Jee IAS, Additional Chief Secretary, Department of Water Resources</li> </ul> <p><b>Members:</b></p> <ul style="list-style-type: none"> <li>Dr. R. P. Subramanian, Vice-Chairman, Kerala State Council for Science, Technology and Environment</li> <li>Dr. Manoj P. Sankar, Executive Director, CWRDM</li> <li>Dr. M. C. Natarajan, Professor, Indian Institute of Technology, Bombay</li> <li>Dr. C. V. Sankar, Department of Civil Engineering, Indian Institute of Technology, Delhi</li> <li>Dr. Sankar Prasad, Assistant Professor, Department of Agricultural Engineering, IARI</li> <li>Mr. K. A. Jothi, Retd. Chief Engineer, Department of Water Resources</li> <li>Mr. Anand Wilson, Assistant Executive Engineer, KWRM</li> <li>Asst. Technical Member, Channarayana Institute, Anandapuram, Kuvempu</li> <li>Mr. Chandan Kumar, Executive Engineer, Department of Water Resources</li> <li>Dr. Lakshmi Narayanan, Associate Professor, IAS</li> </ul> <p><b>Power of reference:</b></p> <ul style="list-style-type: none"> <li>To recommend to the Government for the formation of a River Basin Authority and the preparation of River Basin Plan for Kerala.</li> <li>To suggest measures to ensure that the governance and administration of the River Basin Authority are scientifically oriented.</li> </ul> <p style="text-align: center;">36   State Planning Board</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- To suggest a roadmap to prepare River Basin Plans for all the major rivers of Kerala, and ways to integrate them with the question of socioeconomic development.
- To suggest ways in which the activities of line departments and LSGIs in Kerala, and local watershed plans, are integrated with the preparation and implementation of River Basin Plans.
- To suggest how the River Basin Plans can be a part of a larger water management information system, including decision support models and facilities for monitoring.

**Convener**

Sri. S S Nagesh, Chief, Agriculture Division, State Planning Board

**Co- Convener**

Dr. C Anilkumar, Assistant Director, Agriculture Division State Planning Board

**Terms of Reference (General)**

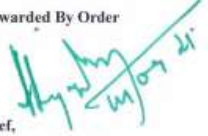
1. The non-official members (and invitees) of the Working Group will be entitled to travelling allowances as per existing government norms. The Class I Officers of GoI will be entitled to travelling allowances as per rules if reimbursement is not allowed from Departments.
2. The expenditure towards TA, DA and Honorarium will be met from the following Head of Account of the State Planning Board "3451-00-101-93"- Preparation of Plans and Conduct of Surveys and Studies.

*The order read as reference 3 is modified to this extent.*

(Sd/-)

**Member Secretary**

**Forwarded By Order**

  
Chief,  
Agriculture Division

To

The Members concerned

Copy to

PS to Vice Chairperson  
PA to Member Secretary  
CA to Member (Dr.Ramakumar.R)  
Economic Advisor to VC  
Chief, PCD,SPB  
Sr. A.O, SPB  
The Accountant General, Kerala  
Finance Officer, SPB  
Publication Officer, SPB  
Sub Treasury, Vellayambalam  
Accounts Section  
File/Stock File



**GOVERNMENT OF TAMILNADU  
WATER RESOURCES DEPARTMENT**

From  
**Er. A.MUTHAIYA, B.E.,**  
Engineer-in-Chief &  
Chief Engineer (General), WRD,  
Chepauk, Chennai – 600 005.

To  
**The Chairman, HLTC / Joint  
Chief Engineer, WRD,**  
Plan Formulation,  
Chepauk, Chennai – 600 005.

**Letter No. S7(4)/68804(Misc) /OT3/2003 Dated 07.06.2023**

Sir,

Sub: Water Summit India ( WSI 2022 ) Coimbatore Declaration – reg.

- Ref: 1. Government Letter No. 4399623 / W1 / 2023-1,  
Dated: 06.04.2023.
2. Dr.E.J.James, Pro - Vice Chancellor, Karunya Institute of  
Technology and Sciences, Letter No KITS/PVC/LET/2022,  
Dated 30.09.2022.
3. The Engineer-in-Chief & Chief Engineer (General), WRD  
Proceedings No.S7(8)/OT7/HLTC/2023 Dated 25.01.2023.

\*\*\*\*\*

In the reference 1<sup>st</sup> cited, the Government have enclosed a copy of the Water Summit India ( WSI 2022 ) Coimbatore Declaration held on 17.09.2022 at Karunya Institute of Technology and Sciences vide reference 2<sup>nd</sup> cited and requested to take necessary action.

In the reference 2<sup>nd</sup> cited, Dr. E.J.James, Pro Vice Chancellor has stated that Water Summit-India (WSI 2022) was organized at Coimbatore by Karunya Institute of Technology and Sciences (Deemed University), Coimbatore in that renowned scientists, academicians, administrators and experts have participated and came out with the Coimbatore Declaration, a Vision Document highlighting the future course of action in Water Resources Management and development in the country. It is also stated that the need for such a summit to formulate a Vision Document for the future Water Resources development and Management in the country was recognized considering the issues such as Over-exploitation of fresh water sources, especially groundwater, Quality of Water Sources, Water stress, Scarcity, Impact of climate variation and change, Degradation of ecosystems and limitations associated with Water Governance and Stakeholder participants.

In the reference 3<sup>rd</sup> cited, a High Level Technical Committee was constituted for scrutinizing the announcement scheme Water Vision 2047 under the Chairmanship of Joint Chief Engineer, WRD, Plan Formulation.

In this regard, the Chairman, HLTC / Joint Chief Engineer, WRD, Plan Formulation is requested to refer the vision document of Water Summit India (WSI 2022) Coimbatore Declaration and consider suitable ideas if any, while preparing the Tamil Nadu Water vision 2047.

**Encl:** Copy of references cited. (w.e)

*[Signature]*  
**for Engineer-in-Chief &  
Chief Engineer (General), WRD**

Copy presented to the Additional Chief Secretary, WRD, Water Resources Department,  
Secretariat, Chennai- 9 for information.

*[Signature]* Copy to Dr. E.J.James, Pro - Vice Chancellor, Karunya Institute of Technology and  
Sciences, Coimbatore for information.



KERALA STATE PLANNING BOARD

Thiruvananthapuram  
21.08.2023

No. SPB/1004/2023-Agri

From  
Chief  
Agriculture

To  
Dr.E.J.James

Sir,

Sub:- Technical Committee constituted for Major and Medium Projects - Idamalayar  
Irrigation Project – Meeting to discuss the DPR on Link Canal - reg

Dr.R.Ramakumar, Member, Kerala State Planning Board desires to convene a review meeting of the Idamalayar Irrigation Project on 08.09.2023 (Friday). Kindly recall the telephonic conversation with Dr.R.Ramakumar on the subject. The objective of the meeting is to examine the feasibility in continuing with the works related to the Link Canal of IIP. The Chief Engineer (Projects II) will present the DPR of the Link Canal which will be followed by discussion and site visit. For the convenience of site visit, it has been decided to arrange the meeting at Ernakulam. The venue and meeting schedule shall be communicated shortly.

- Kindly make it convenient to join us for the meeting.

Yours faithfully

  
Chief  
Agriculture

*May kindly be permitted to  
attend the meeting, since I am serving  
in the expert committee as Member  
along with a Representative from IITM. Thank you.*

*Dr. E. J. James*  
25.08.2023

0.12.5.0  
C.A. - 2





**KERALA STATE PLANNING BOARD**

No.448/2021/SS (WS)/SPB

Social Services Division  
Dated : 14.09.2021

From

Chief & Convener  
(Social Services Division)

To

1. Sri. Pranabiyoti Nath IAS,  
Secretary to Government,  
Department of Water Resources,  
Government Secretariat, Thiruvananthapuram
2. Dr. Vijayakumar. K,  
Retired Prof. & HoD,  
Community Medicine, Medical College, Tvpm,  
Honorary Secretary, Self-Action by People, Tvpm
3. Sri. S.Venkatespathy IAS,  
Managing Director,  
Kerala Water Authority,  
Jalabhavan, Vellayambalam, Thiruvananthapuram
4. Dr. P.S Harikumar, • • •  
Head & Senior Principal Scientist,  
Ecology & Environment Research Group,  
Centre for Water Resources Development and Management, Kozhikode
5. Dr. E J James,  
Pro -Vice Chancellor,  
Karunya Deemed University, Coimbatore and  
Former Executive Director of the Centre for Water Resources Development and  
Management (CWRDM), Calicut.
6. Dr. Ajayakumar Varma, Retd.  
Chief Scientist, National Centre for Earth Science Studies, GoI and  
Former Executive Director, Suchitwa Mission
7. Dr. Jacob Chandapillai, (Former Director, Fluid Control Research Institute),  
Professor, Jyothi Engineering College, Cheruthuruthy.
8. Sri.S Haris, (Former Chief Engineer, Kerala Water Authority),  
Director, Technical & Operations, Jalanidhi

9. Sri Solomon Fernandez,  
Chief Engineer (Retd.),  
Kerala Water Authority
10. Sri. Mohan Kumar.V.L.,  
Director (Operations) in Kerala Rural Water Supply and Sanitation Agency (KRWSA)
11. Dr. Resmi T.R.,  
Senior Scientist, Ecology & Environment Research Group,  
Centre for Water Resources Development and Management, Kozhikode
12. Dr. Abhilash Babu,  
Associate Professor & Director,  
School of Social Sciences, M G University.
13. Sri Rajendran.C.,  
Jilla Panchayat Member (Devikulam Division),  
Swamiyarakudi
14. Sri.RV Satheesh,  
Technical Consultant,  
Haritha Kerala Mission

Madam/ Sir,

Sub:- Formulation of 14th Five Year Plan-Constitution of Working Group on  
**'Drinking Water and Sewerage'**-reg.

Ref-Order No 448/2021/SS (WS)/SPB, dated 13.09.2021

Kerala State Planning Board has started the process of formulation of the 14<sup>th</sup> Five-Year Plan (2022-2027). As part of the formulation of the Five-Year Plan, Working Groups have been constituted in different sectors Accordingly, Working Group on **'Drinking Water and Sewerage'** is constituted, vide reference cited.

It is our pleasure to inform that you are nominated as the Member of the Working Group on **'Drinking Water and Sewerage'**. **The first meeting of this Working Group is scheduled online on 16.09.2021 (Thursday) at 02.30 pm.** We look forward to your deliberations and suggestions.

The guidelines for the working group has already been sent via e-mail. The revised proceedings of the working group is attached for your kind information. Now enclosing a background note on **"Drinking Water and Sewerage"** sector for your kind information.

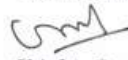
The link for the meeting in [www.webex.com](http://www.webex.com) is

<https://kspb1.webex.com/kspb1/j.php?MTID=m4b1f6186b7f1a1bc527b53710c74b47e>

Meeting number: 2516 289 2269

Password: drink123

Yours faithfully

  
for Chief & Convener



## State Wetland Authority Kerala (SWAK)

4<sup>th</sup> Floor, KSRTC Bus Terminal Complex,  
Thumpanoor, Thiruvananthapuram-695001

Ph: +91471-2326264 (Off): (Dir. Env't & Climate Change)  
E-mail: [swak.kerala@gmail.com](mailto:swak.kerala@gmail.com) [swak.envt@kerala.gov.in](mailto:swak.envt@kerala.gov.in)



SWAK/A1/01/2017

17.1.2022

From  
The Member Secretary

To

Sri.T.K.A Nair,  
Former Principal Secretary to Prime Minister of India

Dr.E.J.James,  
Former Executive Director,  
Centre for Water Resources Development and Management (CWRDM)

Prof.(Dr) A. Biju Kumar  
Professor, Department of Aquatic Biology & Fisheries, University of Kerala

Dr. Dinesan Cheruvat, Additional Director of Fisheries, Government of Kerala

Dr. T.V.Ramachandra,  
Co-ordinator, Energy & Wetlands Research Group,  
Centre for Ecological Sciences, Indian Institute of Science, Bengaluru.

Sir,

Sub: SWAK- Expert Member- Nominated- Reg

Ref: G.O (Ms)No.05/2021/Env't-dated 16.12.2021.

As per section 5 (1) of the Wetlands (Conservation & Management ) Rules, 2017, the Ministry of Environment, Forest & Climate change, Government of India constituted State Wetlands Authority, Kerala (SWAK). Section 5 (1) (xvii) of the Wetlands (Conservations and Management) Rules, 2017 allows the nomination of one expert each in the fields of Wetland Ecology, Wetland Hydrology, Wetland Fisheries, Landscaping Planning and Socio – economics by the State Government.

# Kerala govt. forms technical panel to study efficient river water utilisation

**Panel's terms of reference include preparation of a list of vital river water-related interventions for agriculture and flood control, drafting of a proposal for efficient utilisation of 30 TMC of Cauvery river water by 2030, and conservation of water in the seaward-flowing rivers for use in the summer**

**Published** - May 22, 2024 06:42 pm IST - THIRUVANANTHAPURAM

TIKI RAJWI

Observing that Kerala is yet to tap the full potential of its west and east-flowing rivers, the State government has formed a technical committee to draft long-term recommendations on efficient use of river water resources for irrigation, flood control, and drought mitigation.

Constituted on the recommendations of the State Planning Board, the panel has E.J. James, Pro Vice-Chancellor, Karunya University, and former Executive Director, Centre for Water Resources Development and Management (CWRDM), as its chair.

The panel's terms of reference include the preparation of a list of vital river water-related interventions for agriculture and flood control, drafting of a proposal for efficient utilisation of 30 TMC of Cauvery river water by 2030, and conservation of water in the seaward-flowing rivers for use in the summer.

The panel is also tasked with estimating the financial resources needed for these interventions.

The government decision comes just weeks after Kerala managed to limp out of a harsh summer which left the agriculture sector facing direct and indirect losses of ₹500 crore, as per an Agriculture department estimation.

“Although Kerala has an extensive network of rivers, lakes and ponds, the abundance of rivers has not helped to address the water scarcity during the summer. At the same time, during extreme weather events related to rainfall, these rivers cause floods in various

districts leading to loss of lives and property,” the Planning and Economic Affairs department said in a May 17 order.

The committee members are K.P. Sudheer, Member Secretary, Kerala State Council for Science, Technology and Environment (KSCSTE), the head of the Agriculture Division at the Planning Board, the Alappuzha District Collector, the board member handling water resources and agriculture, the Chief Engineer (Irrigation), C.T. Dhanya, Department of Civil Engineering, IIT-Delhi, and the present CWRDM Executive Director.

Kerala has 44 rivers; 41 flowing west to drain into the Arabian Sea and three flowing east. The reality is that much of this water goes unutilised and flows out to sea. Further, only 25% of the total area under farming is irrigated.

Planning Board Vice-Chairman V.K. Ramachandran told *The Hindu* that the panel was expected to provide a “total vision” of what was required for the long term. Helping the State achieve goals set out in the 14th Five Year Plan (2022-2027) concerning water resources was part of its objectives.



"We are looking at the entire potential over a longer period, a full accounting for water in the State," Dr. Ramachandran said.

Among the aims were the augmentation of the net area under irrigation and averting summertime water scarcity. "We also want to find out how much it will cost to make Kerala water secure in all aspects of water supply and irrigation," he added.

Kerala's 14th Five Year Plan envisions support to commissioning delayed major and medium irrigation projects and encouraging minor irrigation.

The "steep, short and monsoon-fed rivers" of Kerala present several problems related to hydrology and river mechanics, a working group report on river basin planning prepared by the Planning Board's Agriculture Division for the 14th plan had noted.

"Changing global climate, transboundary issues and fragility of the short, steep and monsoon-fed rivers add to the complexity, and also equitable sharing of water," it said.

**Published** - May 22, 2024 06:42 pm IST



**GOVERNMENT OF KERALA**

**Abstract**

Environment Department - Wetland (Conservation & Management) Rules 2017 - Nomination and appointment of Expert Members to the State Wetland Authority - Orders issued.

**ENVIRONMENT (A) DEPARTMENT**

G.O.(Ms)No.05/2021/Envr

Dated, Thiruvananthapuram, 16.12.2021

|                  |         |
|------------------|---------|
| Member Secretary |         |
| /                | W 25/12 |
| Envr             |         |
| FO               |         |

Read: (1) G.O.(Ms)No.14/2017/Envr dated 28.12.2017.  
(2) G.O.(Ms)No.03/2018/Envr dated 25.06.2018.  
(3) Letter No.SWAK/A1/2017 dated 14-09-2021 from the Administrative Officer, State Wetland Authority Kerala.

**ORDER**

As per section 5 (1) of the Wetlands (Conservation & Management) Rules 2017, the Ministry of Environment, Forest & Climate Change, Government of India constituted State Wetlands Authority (SWAK). As per Government order as paper 1<sup>st</sup> above, Government has designated Chief Secretary as the Vice Chairperson and the Director, Directorate of Environment & Climate Change as Members Secretary of State Wetland Authority Kerala.

2) Section 5 (1) (xvii) of the Wetlands (Conservation & management) Rules 2017 allows one expert each in the fields of wetland ecology, fisheries, landscaping planning and socio - economic to be nominated by the State Government. The term of non-official members of the authority nominated by the State shall be for a period not exceeding three years.

3) As per letter read above, the Administrative Officer, State Wetland Authority Kerala has reported that the term of the non official members vide Government Order read as paper 2<sup>nd</sup> was expired as on 24-06-2021 and submitted a panel of experts each in the fields of wetland ecology, fisheries, landscaping planning and socio - economics to be designated to the authority.

4) Government have examined the matter in detail and are pleased to appoint the following persons in the aforesaid fields as expert members of State Wetland Authority under the proviso 5(1)(xvii) of the Wetlands (Conservation & management) Rules 2017.

| Field             | Name of the Expert                                                                                     |
|-------------------|--------------------------------------------------------------------------------------------------------|
| Socio Economic    | Sri. T.K.A.Nair, former Principal Secretary to Prime Minister of India                                 |
| Wetland Hydrology | Dr.E.J.James, Former Executive Director, Centre for Water Resources Development and Management (CWRDM) |

|                    |                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Wetland Ecology    | Prof.Dr.A Bijukumar, Professor, Department of Aquatic Biology & Fisheries, University of Kerala                                             |
| Wetland Fisheries  | Dr. Dinesan Cheruvat, Additional Director of Fisheries                                                                                      |
| Landscape Planning | Dr. T.V.Ramachandra, Co-ordinator, Energy & Wetlands Research Group, Centre for Ecological Sciences, Indian Institute of Science, Bangaluru |

(By order of the Governor)  
**SHARMILA.C**  
 Additional Secretary

To

- The Secretary, Ministry of Environment, Forest & Climate Change, Government of India, Delhi (with C/L)
- ✓ The Member Secretary, State Wetland Authority Kerala, Thiruvananthapuram.
- All the expert Members (through the Member Secretary, State Wetland Authority Kerala, Thiruvananthapuram.
- The Director, Directorate of Environment & Climate Change, Thiruvananthapuram.
- The Principal Accountant General (A&E/Audit) Kerala, Thiruvananthapuram.
- The Director, Information & Public Relations (Web & New media) Department (for uploading in the Government Website).
- Stock file/ Office copy.

Forwarded/By order

  
 Section Officer

✓



No. PL1 (B) Mon/36805/2017

Office of the Chief Engineer  
Irrigation and Administration  
Thiruvananthapuram  
Dated : 27 .08.2022

From  
The Chief Engineer

To

1. Dr. E J James, Former Executive Director CWRDM
2. The Chief Engineer, Projects and Operations ,KWA
3. The Director Operations Kerala Rural water Supply and Sanitization Agency (KRWSA)
4. The Senior Principle Scientist, Library Documentation and Information Division Surface Water Division, CWRDM Kozhikode
5. The Technical Consultant Haritha kerala Mission
- 6.The Regional Director Central Ground water Board Thiruvananthapuram
7. The Environment Engineer , Department Environment and Climate change

Sir,

Sub: - State Water Policy ( SWP) 2022- Convening Meeting of Drafting Committee-reg

Ref: - Government Letter No. ISWC2/172/19/WRD dt 26/08/2022

Kind attention is invited to the reference cited .

The Secretary Water Resources Department (Chairperson Drafting Committee on SWP) desires to convene a meeting of the Drafting Committee on State water Policy at 10 AM on 02.09.2022 at Layam Hall ,Government Secretariat, Annex 2.

In this context, I am to request you to attend the meeting for offering your valuable comments .The draft State Water Policy and the remarks received from the Stake holder departments are attached herewith for kind perusal.

**Encl:** As above

Yours faithfully,



Chief Engineer  
Convenor of the Drafting Committee