



# International Centre for Environment Audit and Sustainable Development (iCED)



A Global Training Facility  
of  
INTOSAI Working Group on Environment Audit (WGEA)  
and  
Working Group on Audit of Extractive Industries (WGEI)



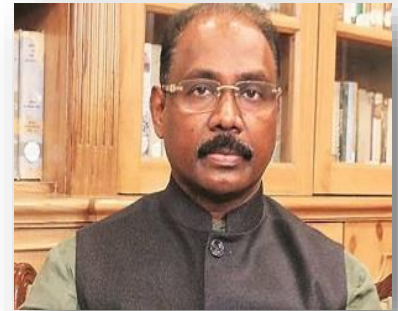
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## 1. SAI India – An Introduction

The Comptroller and Auditor General (C&AG) of India is a Constitutional Authority appointed by the President of India to head the Supreme Audit Institution (SAI) of India. Our mission is to promote accountability, transparency and good governance through high quality auditing of public receipts and expenditure in order to provide independent assurance to stakeholders that public funds are being used efficiently and only for the intended purposes.



**Mr. Girish Chandra Murmu,  
Comptroller and Auditor  
General of India**

SAI India is an active player in the standard setting, capacity building and knowledge sharing activities of INTOSAI through position of leadership in the Knowledge Sharing Committee (KSC), INTOSAI

Working Group on IT Audit (WGITA) and INTOSAI Compliance Audit Subcommittee (CAS) as well as participation in the activities of the other organs including the INTOSAI Development Initiative and the INTOSAI Governing Board.

SAI India has been elected as the Chairman of ASOSAI from 2024-2027. As the Chairman, SAI India will be the Chief Executive of ASOSAI and represent ASOSAI in its dealings with national and international organizations. SAI India has played a vital role in all the eleven research projects undertaken so far by ASOSAI. The 12th ASOSAI Research Project on "Audit on Implementation of SDGs" is under progress and SAI India is actively participating in it. The paper from SAI India has been incorporated in the concept note in totality and the report was adopted in the 15th ASOSAI Assembly.

Presently SAI India has MoUs/ twinning arrangements with 22 Supreme Audit Institutions. Regular bilateral exchanges like bilateral seminars, training programmes, capacity building workshops, hand holding for specific audits etc. are held under these arrangements.

SAI India has engagement with Multilateral Forums like BRICS which is a multilateral forum of five major emerging economies (Brazil, Russia, India, China and South Africa), triennial Conferences of Commonwealth Auditors' General, Shanghai Cooperation Organization (SCO) and Global Audit Leadership Forum (GALF).

SAI India is the Chair of the UN Panel of External Auditors since the year 2020 and elected as External Auditor for International agencies like International Atomic Energy Agency (IAEA), Vienna, Food and Agriculture Organization (FAO), Rome, World Health Organization (WHO), Geneva, Organization for Prohibition of Chemical Weapons (OPCW), Hague and Inter Parliamentary Union (IPU), Geneva.

## 2. About iCED



SAI India has been conducting international training Programmes since 1979. iCED is a designated Global Training Facility (GTF) of Working Group on Environmental Audit (WGEA), as well as of the Working Group on Extractive Industries (WGEI) of International Organizations of Supreme Audit Institutions (INTOSAI), since March 2011 and August 2016 respectively. iCED is also a premiere institution conducting training programmes on Environment Audit under Indian Technical and Economic Cooperation Programme sponsored by Ministry of External Affairs, Government of India.

iCED embarked on its capacity building efforts in October, 2013. iCED has been set up near the historical city of Jaipur in India, at a distance of one hour to one and half hour (in peak traffic conditions) from the Jaipur International Airport and around 230 kilometers from Delhi, the capital of India.

Located in picturesque surroundings, iCED is an 85 percent “Green Campus” with considerable flora and fauna on-site.

This facility seeks to harness India’s expertise in conducting environment audits to provide extensive training and to act as a forum for experience sharing and research for the auditors and government program managers.

iCED has state-of-the-art infrastructure with excellent residential facilities and Wi-fi enabled campus. Our sports complex has Swimming Pool, Gymnasium, Table Tennis, Lawn Tennis, Badminton, Billiards, Squash, Chess, Carrom etc.

We also have various publications including our quarterly Newsletter for in-service circulation “Green Files” to collate and disseminate articles, news items and information in general on environmental issues. These are available on our website at [www.iced.cag.gov.in](http://www.iced.cag.gov.in).

## Strategic objectives

- Be a knowledge centre that fosters learning and builds capacity for audit of issues relating to environment and sustainable development
- Promote mainstreaming of environmental concerns among government agencies and public auditors
- Undertake research that informs the audit processes as well as governance structures related to these issues
- Be an information hub on environment, sustainable development and audit related issues
- Build partnerships with SAIs and other organisations working in this area for knowledge and experience sharing
- Develop a modern, efficient, effective and adaptable institution adopting best management practices

## Vision

*We aim to be a global Centre of Excellence for improving accountability and governance in the area of environment and sustainable development.*

## Mission

*We will develop high quality products in training and research to enrich environment audit through an inter-disciplinary approach enabled by valuable partnerships*

## Values

- Professional excellence
- Objectivity
- Concern for environment
- Learning organisation
- Collaborative Approach

### Premium Properties nearby

There are a few premium five-star dining facilities (i.e. Fairmont/Le-Meridian/Taj Amer) located at a distance which takes 20 to 25 minutes from iCED, Jaipur. City Centre is approximately 50 minutes to one hour away, in peak traffic conditions.

### Climate at Jaipur

Jaipur has a hot semi-arid climate. Starting April, it becomes very hot in Jaipur with average temperatures above 37 degrees Celsius (98° Fahrenheit). During the months of July and August, the city experiences a short monsoon. September to March are appropriate for stay for foreigners. The weather during these months is moderate to cold, with chance for occasional rains during the month of October/November. All our international programmes are generally conducted during the period between September and March.

### 3. Upcoming International Training Programmes/Webinars/Workshop (INTOSAI WGEA) at iCED Jaipur, India

Upcoming Webinars, Training and Workshop at iCED, SAI India, as a Global Training Facility of INTOSAI WGEA as detailed below:

Sl. No.	Event/Programme	Date	Due Date for sending filled-in nomination forms*	Participation cost	Remarks
1.	International Webinar on "Sustainable Transport"	17.09.2024 (Batch I) & 18.09.2024 (Batch II)**	05.09.2024	Free of Cost	To be conducted Virtually
2.	12th ITP on "Introduction to Environmental Auditing" (INTOSAI WGEA)	18.11.2024 to 30.11.2024	18.09.2024	USD 140 per person per night	To be conducted onsite at iCED campus.
3.	International Workshop on "Biodiversity with special reference to forest resources"	03.02.2025 to 07.02.2025	03.12.2024	USD 140 per person per night	To be conducted onsite at iCED campus.

\*The filled-in nomination form should be submitted before due date by sending it to the Director (T&R), iCED at [iced@cag.gov](mailto:iced@cag.gov) via e-mail. There is no bar on maximum number of nominations from one SAI for online. However, for onsite training programme/workshop, upto two participants per SAI are preferred.

\*\* International Webinar on "Sustainable Transport" would be organised in two batches to facilitate wider participation from SAIs in different time zones.

### 3.1 Registration and methodology for the training programme

The participants should ensure that their nominations are endorsed by concerned SAIs, please note that nominations without endorsement by concerned SAIs will not be entertained.

(1) International Webinar on "Sustainable Transport" will be conducted in online mode in two batches i.e. on 17.09.2024 and 18.09.2024. The participants should send nomination form via email or google form attached with the invitation.

(2) The 12th International Training Programme on "Introduction to Environmental Auditing" (INTOSAI WGEA) will be conducted onsite at its own campus at Jaipur from 18.11.2024 to 30.11.2024. The participants should send nomination form at the earliest to avoid last minute exigencies via email or google form attached with the invitation.

(3) International Workshop on "Biodiversity with Special Reference to Forest Resources" will be conducted onsite at its own campus at Jaipur from 03.02.2025 to 07.02.2025. The participants should send nomination form via email or google form attached with the invitation.

#### **Training / Participation costs:**

**For Online Courses-No fees:** In order to encourage participation from maximum SAIs, there is no participation cost for online courses. Further, there is no bar on maximum number of nominations from one SAI for online courses.

**For Onsite Courses:** The SAIs who send their participants to the training programmes/webinars/workshops conducted at iCED, Jaipur are expected to cover only the direct costs (meals, cost of stay, study tours and environmental excursion) at the rate of **140 USD per person per night**, in addition to the travelling costs. The amount may be deposited in the iCED's bank account through electronic mode. US \$ 140 multiplied by the number of nights you are staying at iCED Jaipur is payable (excluding bank commission, if any) before reaching iCED Jaipur. Bank / Intermediary charges for electronic transfer of money shall be borne by respective SAI. The details for e-transfer are as follows:

Beneficiary Name: **Office of the Principal Director I.C.E.D, Jaipur**

Beneficiary Account No.: **33436985147**

Beneficiary Bank Name & Branch: State Bank of India, New Central Revenue Building  
Branch, Jaipur, Rajasthan (INDIA)

Beneficiary Address: Office of the Director General, International Centre for Environment  
Audit & Sustainable Development (iCED), Plot No. SP- 6 & 7, Kant – Kalwar, RIICO  
Industrial Area, Near Achrol, Jaipur, Rajasthan – 303 002.

SWIFT Code: SBININBB154

IFS Code: SBIN0006326

**If electronic mode of transfer of money is used, kindly send us a copy of the advice generated for the transfer of money for accounting purposes.**

### 3.2 Pre-requisites for the Webinars, Trainings and Workshops

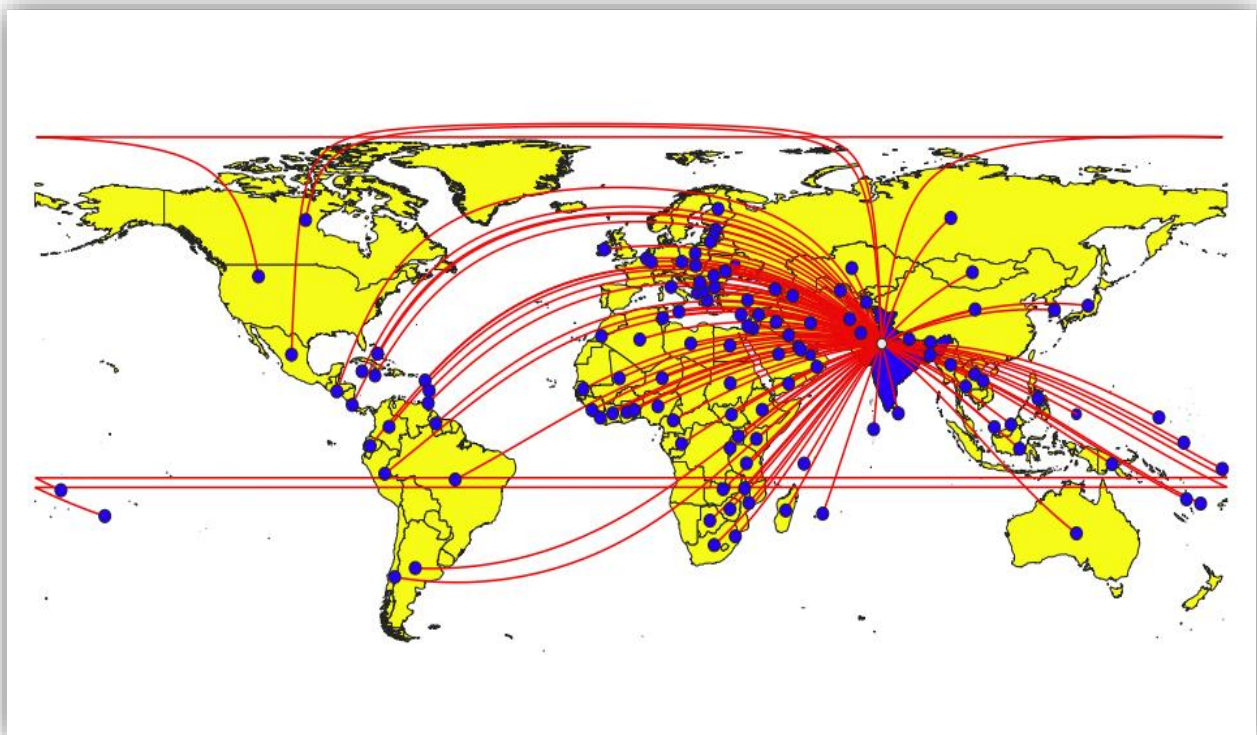
- ❖ The medium of instructions is English and working knowledge of English is an essential condition to attend these programmes. Mid-level/senior professionals with at least 5 years' professional experience would have better prospects to be accepted for these programmes.
- ❖ For onsite participation in 12<sup>th</sup> ITP, participants are expected to do pre-course reading and prepare a brief paper before the course which would include overview of performance audit process in their SAIs, environmental challenges and government response in their country.

#### **ICED is a designated Global Training Facility of INTOSAI Working Groups:**

In the international arena, iCED is a designated Global Training Facility of Working Group on Environmental Audit (WGEA) and Working Group on Audit of Extractive Industries (WGEI) since March 2011 and August 2016 respectively. In 2018-19, 2019-20 and 2022-23 iCED also conducted training programmes on Environment Audit under ITEC programme sponsored by Ministry of External Affairs, Government of India, which could not be held in 2020 to 2023 due to pandemic related constraints.

Since its operationalization in 2013, iCED has conducted 43 International programmes (till April 2024). These programmes include Trainings/Workshops/Seminars pertaining to INTOSAI WGEA, ASOSAI WGEA, INTOSAI WGEI, Bilateral Training Programmes, programmes under ITEC and INTOSAI Development Initiative (IDI). A total of 1848 participants from 123 SAIs participated in these programmes conducted by iCED.

#### 4. iCED's Global Outreach



Multi-faceted environmental and sustainable development themes were covered in trainings and workshops conducted from 2019 to April 2024 are given below:

Sl. No	Programme/ Course	Period	Course/ Theme	No of participants
1.	International Training Programme under Indian Technical & Economic Cooperation (ITEC)	2019-20	Environment Audit	35
2.	International Training Programme (ITP), INTOSAI WGEA,	2019-20	Introduction to Environmental Auditing	26
3.	International Workshop, INTOSAI WGEA	2019-20	Sustainable Development: The Concept and Audit	13
4.	International Webinar, INTOSAI WGEA	2020-21	Climate Change and its implications for Sustainable Development	83
5.	International Training Programme (ITP), INTOSAI WGEA,	2020-21	Introduction to Environmental Auditing	63
6.	International Training Programme (ITP), INTOSAI WGEI	2020-21	Audit of Extractive Industries	87
7.	International Workshop, INTOSAI WGEA	2020-21	Biodiversity	53
8.	International Webinar, INTOSAI WGEA	2021-22	Renewable Energy and its Audit	173
9.	International Training Programme (ITP), INTOSAI WGEA,	2021-22	Introduction to Environmental Auditing	177
10.	International Workshop, INTOSAI WGEA	2021-22	Combating Desertification, Food Security and Sustainable Agriculture	62
11.	International Training Programme (ITP), INTOSAI WGEI	2022-23	Audit of Extractive Industries	64
12.	International Webinar, INTOSAI WGEA	2022-23	Clean Water and Sanitation	47
13.	International Training Programme (ITP), INTOSAI WGEA,	2022-23	Environment Audit	9
14.	International Workshop, INTOSAI WGEA	2022-23	Climate Change Mitigation and Adaptation Strategies including Green Finance	16
15.	International Training Programme (ITP), INTOSAI WGEI	2022-23	Audit of Extractive Industries	14
16.	International Training Programme under Indian Technical & Economic Cooperation (ITEC)	2022-23	Environment Audit	38
17.	International Webinar	2023-24	Experience Sharing on Audit of the Blue Economy related issues	32



18.	International Webinar, INTOSAI WGEA	2023-24	Multi-dimensional Aspects of Auditing Blue Economy	64
19.	International Webinar, INTOSAI WGEA	2023-24	Audit of Issues and Challenges with special reference to SDG 14 Blue Economy	82
20.	International Workshop INTOSAI WGEA	2023-24	Renewable Energy Development Strategies and Mechanisms with special reference to Solar Energy	51
21.	International Training Programme (ITP), INTOSAI WGEA,	2023-24	Introduction to Environmental Auditing	93
22.	International Training Programme (ITP), INTOSAI WGEI	2023-24	Audit of Extractive Industries	73

## An Uptick in Online Participation

Ever since the onset of pandemic conditions due to travel related restrictions, iCED has conducted its international programmes online and has hosted trainings, workshops as well as Webinars. The number of international participants has greatly increased since 2020-21 due to the online forums utilized. During 2020-21 to 2023-24 (up to April, 2024), a total of 1242 participants representing 98 SAIs participated in 6 International Webinars, 6 International Training Programmes, 3 International Workshops and 1 Indian Technical and Economic Cooperation Programme (ITEC). The details are as follows:

Sl. No	Training	No. of Participants /No. of SAIs	Name of SAIs
1.	International Webinar on Climate Change and its implication for Sustainable Development	83/45	Bahrain, Bangladesh, Belgium, Bhutan, Bulgaria, Canada, Cayman Island, Chile, China, Costa Rica, Cyprus, Czech Republic, Egypt, Estonia, Eswatini, Ethiopia, Fiji, Finland, Greece, India, Italy, Jamaica, Japan, Jordan, Kenya, Madagascar, Malaysia, Malta, Mexico, Moldova, Morocco, Myanmar, Nepal, Palestine, Philippines, Kuwait, Samoa, Seychelles, Slovak, South Africa, Sudan, Tajikistan, Thailand, Vietnam, Yemen
2.	8 <sup>th</sup> International Training Programme on Introduction to Environmental Auditing	63/36	Afghanistan, Argentina, Bahrain, Bangladesh, Bhutan, Botswana, Brazil, Brunei, Bulgaria, Cyprus, Egypt, Fiji, Finland, India, IRAN, Japan, Jordan, Lithuania, Madagascar, Malaysia, Morocco, Myanmar, Nigeria, Oman, Philippines, Kuwait, Russia, Samoa, Serbia, Slovak, Tajikistan, Tanzania, Thailand, Turkey, USA, Uzbekistan
3.	1 <sup>st</sup> International Training Programme on Audit of Extractive Industries	87/26	Argentina, Bahrain, Botswana, China, Ecuador, Egypt, Eswatini, Federated States of Micronesia, Fiji, India, Iran, Iraq, Libya, Morocco, Niger, Nigeria, Philippines, Qatar, Russia, Senegal, South Sudan, Thailand, , Tunisia, Yemen, Zambia, Zimbabwe
4.	International Workshop on Biodiversity	53/27	Algeria, Bhutan, Bulgaria, Cayman Island, China, Egypt, Eswatini, Greece, India, Jamaica, Jordan, Lithuania, Madagascar, Morocco, Myanmar, Nepal, Oman, Philippines, Romania, Russia, Samoa, Sri Lanka, Sudan, Tajikistan, Turkey, Uganda, Yemen
5.	International Webinar on Renewable Energy and Its Audits	173/31	Argentina, Bahrain, Botswana, Bulgaria, Cayman Island, Czech Republic, Egypt, Estonia, European Court of Auditors, Finland, Ghana, Greece, India, Italy, Jamaica, Japan, Jordan, Madagascar, Malaysia, Maldives, Montserrat, Nepal, Pakistan, Philippines, Russia, Seychelles, Sudan, Tanzania, Uganda, Vietnam, Yemen

6.	9 <sup>th</sup> International Training on Introduction to Environmental Auditing	177/35	Australia, Bahrain, Bangladesh, Bhutan, Botswana, Brunei, Bulgaria, Cayman Islands, Costa Rica, Egypt, ECA, Fiji, Ghana, Greece, India, Iraq, Ireland, Italy, Jamaica, Japan, Kuwait, Madagascar, Maldives, Nepal, Oman, Philippines, North Macedonia, Seychelles, Sri Lanka, Sudan, Thailand, Tunisia, Vietnam, Yemen
7.	International Workshop on Combating Desertification, Food Security and Sustainable Agriculture	62/24	Algeria, Azerbaijan, Botswana, Brunei, Bulgaria, Costa Rica, Egypt, ECA, Guyana, India, Iraq, Italy, Ivory Coast, Japan, Madagascar, Maldives, Morocco, Nepal, Pakistan, Philippines, Romania, Sudan, Tanzania
8.	2 <sup>nd</sup> International Training Programme on Audit of Extractive Industries	64/12	Algeria, Botswana, Ecuador, Egypt, Eswatini, India, Morocco, Qatar, Uganda, Vietnam, Yemen, Zambia
9.	International Webinar (INTOSAI WGEA) on Clean Water and Sanitation	47/14	Afghanistan, Bulgaria, Egypt, Ethiopia, India, Italy, Jamaica, Kenya, Madagascar, Maldives, Morocco, Sudan, Tunisia, Vietnam
10.	3 <sup>rd</sup> Indian Technical and Economic Cooperation Programme (ITEC) on "Environment Audit"	38/17	Afghanistan, Costa Rica, Egypt, Eswatini, Ethiopia, Ghana, Guyana, India, Indonesia, Iran, Mauritius, Mozambique, Nepal, Papua New Guinea, Tanzania, Tunisia, Zimbabwe
11.	International Webinar on "Experience Sharing on Audit of the Blue Economy related issues"	32/07	Argentina, China, India, Indonesia, Oman, Russia, Turkey
12.	International Webinar on "Multi-dimensional Aspects of Auditing Blue Economy"	64/22	Australia, Azerbaijan, Bulgaria, Costa Rica, Cyprus, Egypt, Ethiopia, Fiji, India, Indonesia, Madagascar, Maldives, Mexico, Morocco, Nepal, Oman, Pakistan, Russia, South Africa, Sri Lanka, Ukraine, Vietnam
13.	International Webinar on Audit of Blue Economy Issues and Challenges with special reference to SDG 14	82/21	Argentina, Brunei Darussalam, Egypt, Ethiopia, Georgia, Greece, Indonesia, Kuwait, Malta, Oman, Pakistan, Thailand, Ukraine, India, Bahamas, Cayman Islands, Nigeria, Peru, Philippines, Russia, South Africa
14.	International Workshop on Renewable Energy Development Strategies and Mechanisms with special reference to Solar Energy	51/17	Azerbaijan, ECA, Ecuador, Egypt, Ethiopia, Greece, Guam, India, Kuwait, Malawi, Malaysia, Maldives, Oman, Pakistan, Philippines, Türkiye, Zambia
15.	11 <sup>th</sup> International Training Programme (ITP) on Introduction to Environmental Auditing (INTOSAI WGEA)	93/28	Australia, Azerbaijan, Bangladesh, Bhutan, Chile, Costa Rica, Ecuador, Egypt, Ethiopia, Finland, Greece, Jamaica, India, Iraq, Malawi, Malaysia, Maldives, Malta, Nepal, Oman, Pakistan, Palau/Guam, Philippines, Poland, South Africa, Turkey, Zambia, United Arab Emirates
16.	4 <sup>th</sup> International Training Programme on Audit of Extractive Industries (INTOSAI WGEI)	73/20	Albania, Azerbaijan, Bhutan, ECA, Egypt, Fiji, Greece, India, Iraq, Kuwait, Morocco, Nepal, Oman, Russia, Tanzania, Thailand, Tunisia, Uganda, Vietnam, Zambia

Summary of International Trainings/ Workshops/ ITEC programmes conducted in online/ onsite mode since 2013 (Up to April 2024):

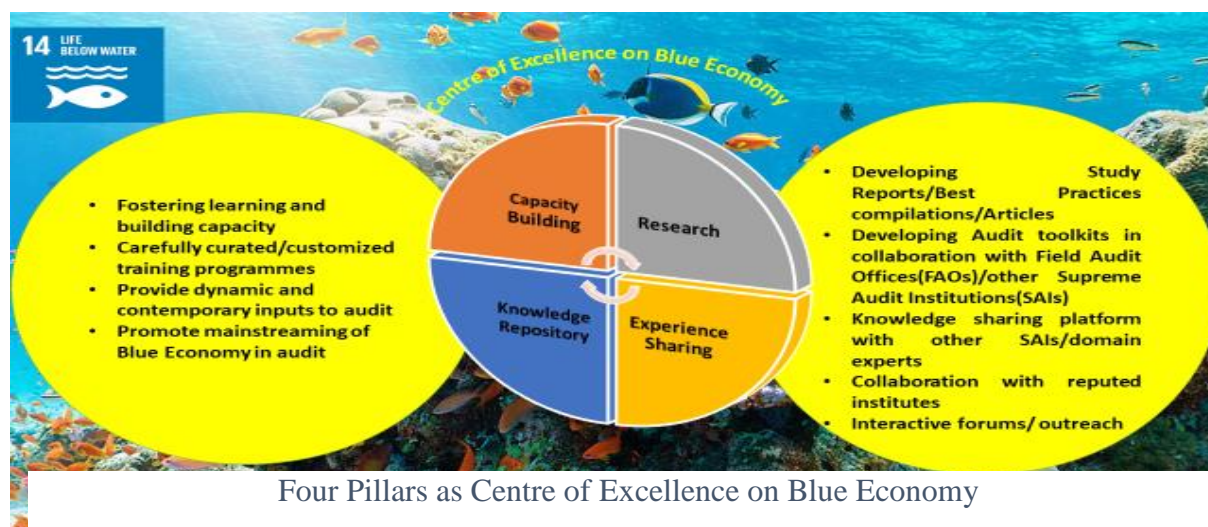
Sl. No	Type of Programme	Course/ Theme	Total no. of programme (since 2013)	No of participant's
1	International Training Programme (ITP), INTOSAI WGEA	Introduction to Environmental Auditing	11 (8 Onsite and 3 Online)	493 (160- Onsite 333- Online)
2	International Training Programme (ITP), INTOSAI WGEI	Audit of Extractive Industries	4(1 Onsite and 3 Online)	238 (14- Onsite 224- Online)
3	International Workshop/Webinar, INTOSAI WGEA	Audit of Water issues	1 (Onsite)	12 (Onsite)
		Audit of Waste Management	1 (Onsite)	20 (Onsite)
		Sustainable Development: The Concept and Audit	1(Onsite)	13 (Onsite)
		Climate Change and its implications for Sustainable Development	1 (Online)	83 (Online)
		Biodiversity	1 (Online)	53 (Online)
		Renewable Energy and its Audit	1 (Online)	173 (Online)
		Combating Desertification, Food Security and Sustainable Agriculture	1 (Online)	62 (Online)
		Clean Water and Sanitation	1 (Online)	47 (Online)
		Climate Change Mitigation and Adaptation Strategies including Green Finance	1 (Onsite)	16 (Onsite)
		Multi-dimensional Aspects of Auditing Blue Economy	1 (Online)	64 (Online)
		Audit of Issues and Challenges with special reference to SDG 14 Blue Economy	1(Online)	82(Online)
Renewable Energy Development Strategies and Mechanisms with special reference to Solar Energy	1(Online)	51(Online)		
4	International Workshop/Webinar	Experience Sharing on Audit of the Blue Economy related issues	1 (Online)	32 (Online)
5	Indian Technical and Economic Cooperation (ITEC), MoEA, Govt. of India	Environment Audit	3 (2 Onsite and 1 Online)	109 (71- Onsite 38-Online)
6	Bilateral Training Programmes	Contract Audit, Forensic and Performance Audit; Performance Audit including Environment Audit and CATTs, Gender, Environmental Auditing, Audit of State-Owned Enterprises; Audit of Construction Activities	8 (Onsite)	157 (Onsite)
			<b>39 (23 onsite and 16 Online)</b>	<b>1705 (465 Onsite and 1240 Online)</b>

The institute also plays a stellar role in enhancing learning and exchange of best practices and experiences among peers in both INTOSAI WGEA and ASOSAI WGEA forums.

These include sharing climate-related audit experiences through participation in Steering Committee and Assembly Meetings of both organizations.

## 5.iCED as a Centre of Excellence on Audit of Blue Economy

iCED has also been established as a Centre of Excellence on Audit of Blue Economy in April 2023 to focus on issues related to the audit of Blue Economy sectors with a special focus on sustainable marine and coastal ecosystem management, marine spatial planning, marine fisheries and marine pollution, among others.



iCED successfully commenced its role as a Centre of Excellence on the Blue Economy by conducting International Webinar on “Experience Sharing on Audit of Blue Economy related issues” in April 2024.

A compendium of research publications duly developed by iCED was unveiled during the prestigious SAI 20 summit held at Goa in June-2023 under the India’s G20 Presidency. We have also closely synergized with leading think tanks like The Energy and Resources Institute (TERI), National Maritime Foundation (NMF), Observer Research Foundation (ORF) and World Resources Institute (WRI) etc. for holding quality training in the area of the Blue Economy.

iCED has also contributed/published several research publications on emerging aspects of the Blue Economy viz. Sustainable Marine Fisheries, Marine Energy Resources, Floating Solar Photovoltaics, with linkage of audit perspectives.

Further, 45<sup>th</sup>, 46<sup>th</sup> and 47<sup>th</sup> Editions of iCED’s quarterly newsletter namely “Green Files” were dedicatedly published on theme of Blue Economy and available at our website.

## 6. iCED in Research

Research efforts in concerted conjunction with International Relations Division of SAI India are currently in the following areas:

### INTOSAI WGEA:

- iCED is acting as technical focal point of SAI India which is an executive member of Climate Scanner Project of INTOSAI WGEA work plan 2023-25 lead by SAI Brazil. iCED provided crucial inputs on the draft framework for governance axis of this project for enriching the outcomes.

- **Green Economy Hub Environmental Accounting:** SAI India is a member of this project and volunteered to play a lead role in conducting survey of SAIs on environmental accounting and supporting the project with case studies. iCED has participated in this project and given significant inputs relating to the project outcomes, methodology and key performance indicators.
- **Environmental GUIDs under the INTOSAI Framework of Professional Pronouncements INTOSAI:** WGEA Secretariat & SAI India is leading this project.

#### **ASOSAI WGEA:**

- On behalf of SAI India, iCED prepared and evolved a Country paper on the Audit of Climate Change and the presentation via IR Division was sent for onward transmission to ASOSAI Secretariat during the 8<sup>th</sup> ASOSAI WGEA Seminar on Environmental Auditing.
- Director (T&R), iCED, Jaipur attended the online meeting of ASOSAI WGEA Cooperative research on the topic of “The Role of SAI and Auditing Climate Change” held on July 21, 2022 and “The Role of SAI and Auditing Climate Finance” held online in 3-4 October 2022 organized by SAI Thailand.
- Further, iCED Jaipur sent feedback on “10<sup>th</sup> Survey of ASOSAI WGEA” to IR Division on February 14, 2023.
- iCED Jaipur sent Country Paper on “Responding to Climate Change and Environmental Protection Audit” on 17<sup>th</sup> April 2023.
- An article on “Auditing Urban Waste Management- An Overview and Experience from SAI India” was contributed by iCED in May-2024 for Asian Journal of Government which is populous resource for all ASOSAI community.

#### **Knowledge-sharing Roles:**

iCED also extensively contributes to the survey questionnaire, research inputs/articles of SAI India for INTOSAI, SAI20, ASOSAI and other SAIs:

- Auditing Plastic Waste - An Overview and Experience from - SAI India (ASOSAI Journal October 2022).
- Article on “Green Features in Design and Construction” (INTOSAI Newsletter Green lines, July 2022).
- Inputs on Decarbonisation of the power sector to National Audit Office (NAO, UK June 2022), UK.
- Inputs on SAI India’s contribution towards SDGs (SAI 20, June 2022).
- Article on Auditing Climate Change: An Overview and Experience (ASOSAI Journal, April 2022).
- Response submitted for “INTOSAI WGEA Survey on work plan projects 2023-25” on behalf of SAI India for "Climate and Biodiversity" and "Environmental Accounting” nexus.
- Provided inputs/feedback on “Draft guidance on ESG Audit 2.0” received from WGSDG KSDI Secretariat.
- Provided technical feedback/inputs on “Follow up Survey of Environmental Accounting“ as sought by SAI UK.
- Provided inputs to IR Division for “11<sup>th</sup> Survey on Environmental Auditing” as received from INTOSAI WGEA secretariat in April-2024.

## **Green Files- A Quarterly Publication on Environmental Issues**

Green Files, a quarterly newsletter published by iCED, features glimpses of recent environmental news, key events, emerging trends, innovations, initiatives and efforts of different organizations to protect the environment- which can act as a corpus of information for environment audits in particular. iCED has published 48 volumes of Green Files till date, and the publication is available for viewing in the website [www.iced.cag.gov.in](http://www.iced.cag.gov.in)

## **Occasional Research Paper Series of iCED**

iCED has recently published Research papers in an Occasional Research Paper Series comprising multiple themes including use of recent technology for audits, Eco-Tourism and Disaster Preparedness, Use of recent Technologies for study of Environmental Issues and Audit, Waste Management, Air Pollution, Forest/ Biodiversity conservation and Audit of Blue Economy. Following Occasional Research Paper have been published by iCED on the basis of in-house research for benefit of auditors across SAIs:

- Climate Change Adaptation in India in the Context of Urban Flooding
- Urban Planning- A Compendium Report of Delhi and Jaipur from Environmental Perspective
- Municipal Solid Waste Management in India-A Compendium Report
- Bus Rapid Transit in India-A Compendium Report
- Causes, impacts, risk and mitigation of Urban Flood Management in India
- Review of Urban Transport Challenges and Sustainable Urban Transport Policies for Jaipur City
- Research Compendium of Study reports by Interns (Volume I & II)
- Use of Remote Sensing; GIS; DPSIR framework and SWOT analysis for impact assessment of Marine Renewable Energy Sector with a focus on Floating Solar Photovoltaic Systems in India
- Ethical and Sustainable Use of Plastic Value Chain and Gradual Phasing-out of Plastic Waste
- Marine Energy Resources: Some Perspectives for Planning Audits
- Sustainable Livelihood and Gender Equity in the Development of the Blue Economy with A Special Focus on Marine Fisheries
- Ethical and Sustainable Use of Plastic Value Chain and Gradual Phasing-out of Plastic Waste
- Auditing Perspectives on Sustainable Marine Fisheries
- Flood Risk Assessment of the Walled City of Jaipur



Some snapshots of publications by iCED

In the years ahead, the road-map for iCED will continue to focus on cutting-edge training and capacity building efforts at both national and international levels, especially as climate action and environmental issues receive increased attention from SAI's in the light of global momentum to these critical areas. In the international arena in particular, the institute is uniquely placed as a dedicated training and knowledge – sharing platform to support various SAI's around the world in their audit activities in the environmental and sustainable development fields.

## 7. Residential Facilities at iCED

iCED being a residential training facility offers comfortable residential facilities. It has spacious rooms and amenities for a comfortable stay. We usually charge for overheads like food, stay, local travel, excursions and any other needs of individual trainees/participants.

1. **One Premium VIP Suite** for Head of the SAI (s) with twin room equipped with separate ensuite washrooms, spacious wardrobes, Wi-Fi, cordless phone, hot and cold water facility, a common lounge with dining table, Sofa and TV facilities. A mini-Kitchen equipped with refrigerator, hot and cold drinking water, microwave and cutlery and essential kitchen equipment.



2. **Premier Deluxe Rooms** (Total 2 numbers) One bedroom along with a drawing room with facilities such as wi-fi, refrigerator, phone, hot and cold water, dining table, Electric kettle, Iron Board, TV basic cutlery and toiletries. A mini-Kitchen equipped with refrigerator, hot and cold drinking water, and cutlery etc.



3. **Deluxe Rooms** (Total 15 Numbers) One bedroom along with a meeting room with facilities such as Wi-Fi, mini refrigerator, phone, hot and cold water, dining table, Electric kettle, Iron Board, TV basic cutlery and toiletries.



4. **Participant Rooms-** (Total 45 Numbers) Single room with facilities such as wi-fi, desktop, mini refrigerator, electric kettle, phone, hot and cold water, TV and basic toiletries.

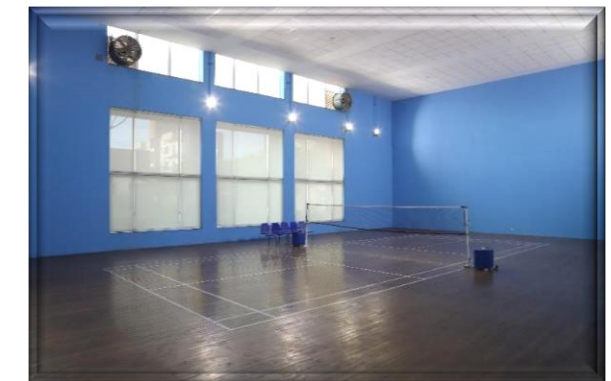




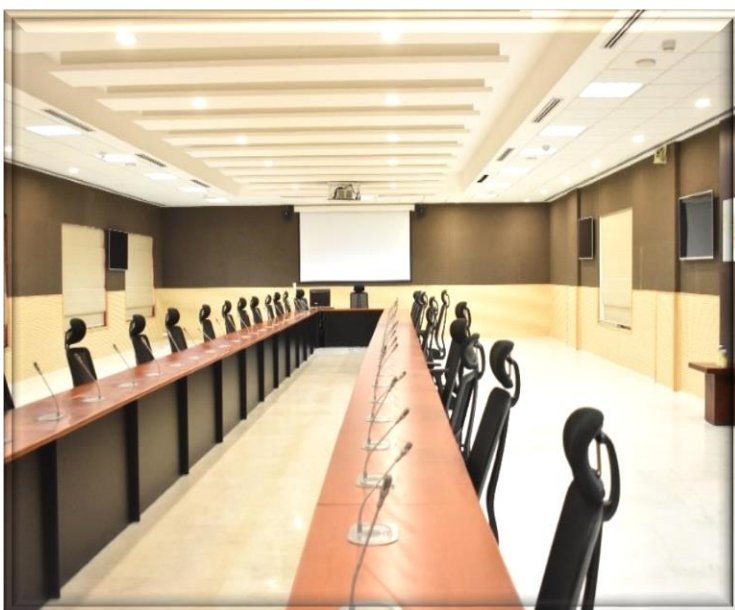
5. **Kitchen and Dining Facilities-** One Dining hall with seating capacity of 45 persons and Kitchen with facility of preparing simple, locally sourced and fresh Indian food with special focus on Rajasthani delicacies is available.



6. **Sports Facilities-** A sports complex equipped with swimming pool, Gymnasium, Squash, Table Tennis, Billiards, Badminton and Tennis Court. In addition, a basketball practice facility is available. Chess and carom board game facilities are also available.



## 8. Training Facilities



### Training Facilities

Institute provides training facility i.e. large spacious training halls as well as necessary equipment for the capacity development activities such as projector, screens, photocopier, printers, and stationery folders etc. during the period of meeting. Besides we have a large auditorium having seating capacity for at least 80 persons with social distancing for Audio- Visual presentations for large events.



**Library** at iCED provides a comfortable reading space and sitting arrangement in an air conditioned environment for participants to study and research. The library has computer stations also for the participants to access online resources. Theme-wise arrangements of Books provide easy access to publications and the entire collection is available online also through intranet so that participants can easily locate the desired book. Currently the library has 1541 books on various topics. Besides there are audit reports, magazines and other specialized publications. In addition to the library, a mini conference hall/Board room is also available for participants/faculties for brainstorming and other small meetings.



9. Sustainability on Campus- 85 percent of the Campus is a 'Green Zone' with variegated flora and fauna



The surrounding landscapes at iCED are not only of aesthetic value, they are also a part of the living environment, and are providing a green cover, to alleviate the effects of any particulate matter and other toxic pollutants in the atmosphere. As many of the trees and shrubs are predominantly local plant species, native to the area, their hardy survival controls excessive erosion caused by wind or rain, as well as act as catalysts for groundwater recharge. They are also an integral part of the biodiversity of a terrain which encompasses scrubland, arid patches and hilly deciduous vegetation. Thus on this campus, we “practice



what we preach”, for environmental sustainability and perpetuating a “Green Campus” is a way of life, as well as an academic discourse. Almost 85 percent of our campus is a green belt.

### **I. Green Features in Design and Construction**

The norms prescribed in Energy Conservation Building Code 2006 of India have been applied for energy efficient design and construction of the building. Some of these features are:

- Use of locally available building material to minimize the environmental impact.
- Use of *fly ash* in concrete and bricks.
- Double glazed windows & doors with solar reflecting films, insulated Walls and Dry cladding of stones to reduce heat transmission.
- Energy efficiency features include orientation optimization, overhang sizing, skylights, energy efficient lighting fixtures etc. □ Use of solar water heating system.

### **II. Green features in Operations of iCED**



- A Solar Farm (50 KVA) to demonstrate the use of clean energy. Rain water harvesting system secures maximum benefit from each raindrop falling in the campus.





Sewage Treatment Plant (STP) of 40 Cu. M. per day for waste water treatment and reuse. Grey water is treated within campus and used for the gardens. Drip irrigation method is also used for water conservation.

Organic waste (garden, kitchen / food) is composted within the campus. The use of plastic material is discouraged



- The Rare Trees Park has eight tree species which have become rare in the region. Besides 20 herbs/trees having medicinal properties are also planted.



- Thermal cooling / heating through Earth Air Tunnel to demonstrate technology that uses earth as a heat sink for cooling in summer and as a heat source during winters.

Collage/Glimpses of Campus







# International Centre for Environment Audit and Sustainable Development (iCED) Jaipur, India



## Contact us:

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