

Information Brochure



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



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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. SAI of India chairs the INTOSAI Knowledge Sharing Committee and its Working Group on IT Audit.

CAG of India also chairs the Compliance Audit Sub-committee of the PSC.



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

About iCED

SAI India has been conducting international training Programmes since 1979. iCED is a designated Global



Vision

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

Industries (WGEI) of International Organizations of Supreme Audit Institutions

Mission

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

institution conducting training programmes on Environment Audit under Indian Technical and

Values

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

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, located around 230 kilometers from Delhi, the capital of India. This facility seeks to harness India's expertise in conducting more than 100 environment audits in last 20 years 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.

Training Facility of Working Group on Environmental Audit (WGEA), as well as of the Working Group on Extractive

Institutions

(INTOSAI), since March 2011 and August 2016

respectively. iCED is also a premiere

under Indian Technical and

Economic Cooperation Programme

sponsored by Ministry of External Affairs, Government

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 SAs and other organisations working in this area for knowledge and experience sharing
- Develop a modern, efficient, effective and adaptable institution adopting best management practices

CAMPUS

Academic Block:



Training Hall - "Saraswati"



Training Hall - "Aravali"



iCED Auditorium (175 Persons)



iCED Lounge

Residential Facilities:



58 Participant + 20 Faculty Rooms



Dining Hall



Swimming Pool



Gymnasium

GREEN FEATURES

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 garden.
- Organic waste (garden, kitchen / food) is composted within the campus. The plastic material is discouraged and use of paper is kept at minimum.
- A 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.

Capacity Development

International Trainings

iCED has conducted 7 International Training Programmes since 2013 on Environment Audits. Two training have also been conducted under ITEC programme of Government of India.

The International Training Programmes (ITPs) have modules have been developed by SAls of different countries and the course developers from different SAls deliver these modules at iCED. This unique model offers participants different perspectives of how environment systems are managed and audited across the world.

Presently SAI India has MoUs / twinning arrangements with 17 SAls, under which regular Bilateral Training Programmes (BTPs) for specific audits have been held. So far iCED has conducted 8 such international programmes.

Year	Number of Participants	Number of countries
2013	25	13
2014	45	14
2015	90	12
2016	112	28
2017	117	35
2018	29	14
2019	71	26

Seminars

The 6th Seminar on Environmental Auditing and 5th Meeting of ASOSAI Working Group on Environment Audit (WGEA) was held at iCED, India from 17th to 19th October 2016 with participation of 48 delegates from 21 Supreme Audit Institutions and international organizations.

International Workshops

Two Audit Planning Meetings to review the audit plans for the cooperative performance audit on preparedness for implementation of SDGs were held at iCED in December 2017. 27 SAls from ASOSAI, AFROSAI-E, CAROSAI and EUROSAL participated. International Workshops on Audit of Water Issues, Audit of Waste Management and Sustainable Development: The Concept and Audit were held in February 2018, February 2019 and February 2020 respectively.

National Trainings

Training programs for auditors from SAI India have also been conducted on various Environmental themes. These courses have been delivered by academics, public environment managers, grass roots organizations, etc., and have received wide appreciation. As of March 2020, iCED has trained around 2800 personnel from SAI India in audit of environment and related issues.

National Workshops

National Workshop on various themes such as Audit of SDGs, Groundwater Management, Ganga Rejuvenation, etc. have been organized. In January 2019, a National Workshop on Natural Resource Accounting (NRA) was also held at iCED.

iCED conducts three International Trainings / Workshops regularly and also as per requests received from other countries as well as international organizations.

iCED in Research

SAI India is actively participating and contributing towards research projects of INTOSAI WGEA under various Work plans as shown below:

INTOSAI WGEA Work Plan	Research Papers/Training Tools
<u>2014-16</u>	<ul style="list-style-type: none">• <i>Greening the SAls (leader)</i>• <i>Environmental Assessments (co-leader with SAI, Canada)</i>
<u>2017-19</u>	<ul style="list-style-type: none">• <i>Development of Training Tool on Environmental Data</i>
<u>2020-2022 (in progress)</u>	<ul style="list-style-type: none">• <i>Work package 2: SDG 12 - responsible consumption and production - focus on plastic waste (leader)</i>• <i>Work package 4: SDG 11 - sustainable cities and communities - focus on transport (member)</i>• <i>Work package 5: Increasing understanding on environmental SDGs (co-leader)</i>• <i>Work package 6: Experience sharing and capacity building (co-leader)</i>

- SAI India also participated in following projects:
 - *Development of training module on Greening SAls*
 - *ASOSAI WGEA Research Project on Application of Big Data Analytics in Environmental Auditing*
- For sourcing academic/technical expertise to augment the extant research capabilities of iCED,
 - Memorandum of Understanding has been signed with The Energy and Resources Institute (TERI). TERI being an institute of international repute specializes in the fields of energy, environment and sustainable development.
 - An internship scheme and Young Professional scheme has been implemented for students and academicians. Research Interns and Young Professionals have worked / are working in following areas:

- A case study of the impact of marine nature- based tourism in Goa
 - Enhancing evaluation in Audits by integrating it with Regulatory Impact Assessment
 - Applications of Geographical Information Science & Remote Sensing in Environmental Auditing & Planning
 - The Assessment of Plastic Waste in Jaipur City, An Overview of the Role of Municipal Corporation in Plastic Waste Management
 - Preparation of strategy for audit of Urban Planning and for integrated audit of Environment of Management of cities.
 - Research report on E-waste Management in Jaipur City
 - A case study on understanding the value addition of Non Timber Forest Products using System Dynamics in Telangana, India
- Articles contributed by iCED officers for ASOSAI Journal and other International Newsletters.
- Capacity Building in Environment Audit
 - Greening Supreme Audit Institutions for *Greenlines*
 - 'Training for Environment Audit' for Journal of Government Audit and Accounts
 - 'Role of SAs in implementation of Sustainable Development Goals'
 - Role of SAs in detection of fraud and corruption
 - Background Paper for Commonwealth Auditor Generals Newsletter: Environment Audit a commonwealth perspective "Fostering Partnerships for Capacity Development in Public Audit"
 - BRICS country paper Policy Auditing Tool to promote Sustainable Development - Experience from SAI India
 - Commonwealth Auditor Generals E-Newsletter Capacity building: International Centre for Environmental Audit and Sustainable Development

Important contacts

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Team iCED

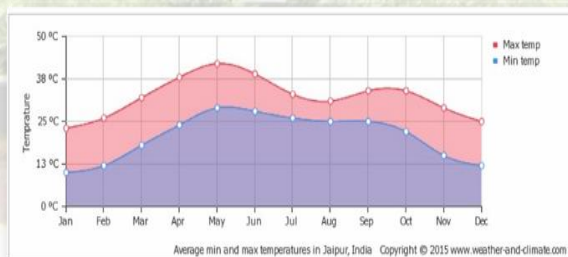
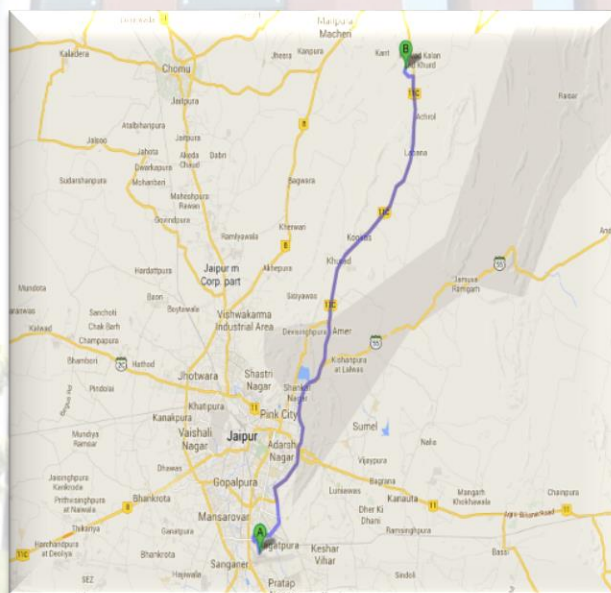
Telephone: +91-141-277 2000 / 2016 / 2017 / 2020 / 2021 / 2025

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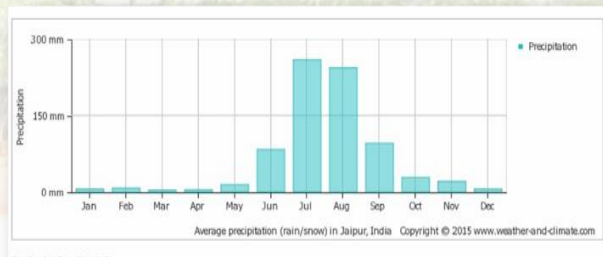
E-mail: iced@cag.gov.in

iCED: Location

Google Map coordinates: <https://goo.gl/maps/zJoWHS3Y1SemtPdR8>



Temperature Trend - Jaipur



Rainfall Trend - Jaipur

