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**GREENSTAT
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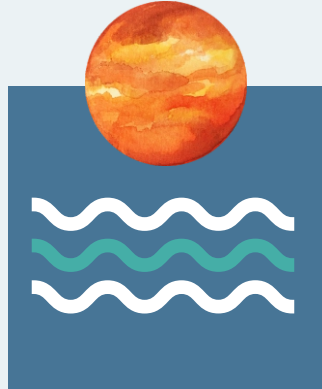
Partners



Ministry of Environment,
Forest and Climate Change
Government of India



वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE



3RD INTERNATIONAL CLIMATE SUMMIT

14 & 15 SEPTEMBER 2023
VIGYAN BHAWAN*, NEW DELHI

REGISTER AT WWW.ICS-HYDROGEN.COM

HYBRID MODE

**A NEW PATHWAY TO
CLIMATE CHANGE
MITIGATION**



INDIA LED GLOBAL CLIMATE MOVEMENT **2023**

SUSTAINABILITY THROUGH GREEN GROWTH
{ Green Hydrogen | Biofuels | Renewables }



Organisers/
Co-Organisers



**To be confirmed*

ANCIENT WISDOM, SPIRITUAL AWAKENING & CLIMATE CHANGE MITIGATION.

“

I USED TO THINK THE TOP ENVIRONMENTAL PROBLEMS WERE BIODIVERSITY LOSS, ECOSYSTEM COLLAPSE, AND CLIMATE CHANGE.

I THOUGHT THAT WITH 30 YEARS OF GOOD SCIENCE WE COULD ADDRESS THOSE PROBLEMS.

BUT I WAS WRONG.

THE TOP ENVIRONMENTAL PROBLEMS ARE SELFISHNESS, GREED, AND APATHY.

TO DEAL WITH THOSE WE NEED A SPIRITUAL AND CULTURAL TRANSFORMATION, AND WE SCIENTISTS DON'T KNOW HOW TO DO THAT.

James Gustave Speth

> Former Administrator of the United Nations Development Programme

> Former Dean, Yale School of Forestry and Environmental Studies

> Founder, World Resources Institute and Co-founder, Natural Resources Defense Council



ABOUT THE SUMMIT

India has assumed the G-20 Presidency. Under the bold and visionary environmental leadership of **Hon'ble Prime Minister Shri Narendra Modi**, the country has unveiled a new pathway for Climate Change Mitigation, through mainstreaming of Lifestyle for Environment (Mission LiFE) - urging the world to adopt sustainable practices and climate friendly actions in everyday life.

When it comes to climate change mitigation, the importance of individual action and collective responsibility cannot be ignored; and the time to act is now.

India is also building significant capacity in areas of biofuels, renewables, and alternate energy solutions like Green Hydrogen, to define its long-term national energy strategies, accelerate its climate commitments, and put the country on a sustainable growth path.

The **International Climate Summit 2023**, organised by **PHD Chamber of Commerce and Industry** on **14 & 15 September 2023**, sets the stage immediately after the 2023 G20 New Delhi Summit for a global dialogue & actionable outcomes on climate change mitigation from an Indian perspective - blending our repository of deep spiritual knowledge and wisdom, with our mission to become the third largest economy in the world with a focus on Green Hydrogen, Biofuels and Renewables.



Only peace can lead to a shared purpose, so that our planet, its people and profits thrive collectively.



14 & 15 SEPTEMBER 2023
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“

**MISSION LIFE IS A GLOBAL
MOVEMENT TO SAFEGUARD
OUR ENVIRONMENT FROM
IMPACT OF CLIMATE CHANGE.**

”

Shri Narendra Modi
Hon'ble Prime Minister of India

India's **Hon'ble Prime Minister Shri Narendra Modi** has shown a new pathway for Climate Change Mitigation through **Mission LiFE** - Lifestyle for Environment, with an aim:

- to utilise the power of collective action and encourage individuals worldwide to undertake simple **climate-friendly actions** in daily life
- to move towards a **circular economy** by reducing waste, promoting sustainable production and consumption, and create a closed-loop system where resources are used efficiently and waste is minimised
- to make it an India-led **global mass movement** and encourage behavioural change towards adoption of sustainable practices

He has also laid down his vision of making India the world's third-largest economy with a focus on energy security through **Green Hydrogen, Biofuels and Renewables.**

MESSAGE



of peace, harmony & cooperation to regain earth's equilibrium begins with the collective purpose of 1.4 billion Indian citizens to energise global climate action, and lead the transition towards Green Energy.

MOVEMENT



of Lifestyle for Environment (Mission LiFE) - the new pathway for an India-led global movement, to harness the power of collective action and undertake simple climate-friendly actions in daily life.

MISSION



to be the third largest economy in the world through a focus on Energy Security through Green Hydrogen, Biofuels and Renewables; and to become an International Hydrogen Hub.

MOMENT



to make a start here and now, for an actionable roadmap towards a green transition.

KEY FOCUS AREAS

- Actionable points for behavioural change towards adoption of sustainable practices
- Role of spiritual knowledge and ancient wisdom in addressing Climate Change
- Role of Green Hydrogen in building long-term National Energy Security
- Policy & Regulatory Ecosystem for setting up Green Hydrogen & Climate Projects
- Alliance & Coalition among Developing, Emerging and Developed Nations towards Common Sustainability Goals
- Demonstrate India's current & future Opportunities in Green Energy Sector
- Climate Funding and Investment Risks
- R&D in Green Hydrogen



14 & 15 SEPTEMBER 2023
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ICS 2023 AT A GLANCE



60,000+
ATTENDEES

600+
DELEGATES

75+
EXHIBITORS

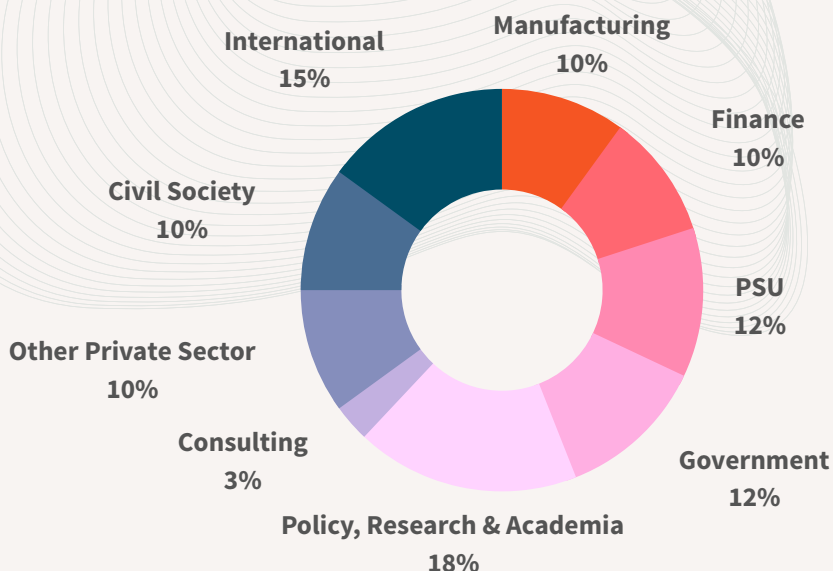
60+
SPEAKERS

11
STATES

05
SESSIONS

04
B2G/ B2B MEETS

INDUSTRY PARTICIPATION



BE A PART OF ICS 2023:

SPONSORSHIP AND EXHIBIT OPPORTUNITIES



International Climate Summit 2023 is the industry's gateway to exclusive next generation clean energy business opportunities. A host of sponsorship and exhibit opportunities for Country, State, Corporate and Institutional participants allow you to showcase your brand/ products/ services to industry leaders and key decision-makers in the global clean energy sector. Ensuring high visibility and return on investment. Limited exhibit spaces are available on first-come-first-serve basis.

For participating opportunities & enquiries:

Ms. Kanchan Zutshi, Sr. Secretary, PHDCCI

M: +91.98187.78399 | E: kanchanzutshi@phdcci.in

“ **CONNECTING WITH NATURE MEANS TO
CONNECT WITH OURSELVES. IF WE DO SO
WE NURTURE A BETTER PLANET.** ”

Shri Narendra Modi
Hon'ble Prime Minister of India



14 & 15 SEPTEMBER 2023
VIGYAN BHAWAN*, NEW DELHI

OBJECTIVES

- Showcase India's ability to combine ancient wisdom & modern technologies to mitigate Climate Change
- Encourage adoption of Circular Economy principles
- Highlight India's efforts towards achieving Energy Security through Renewable Energy deployment and opportunities in Green Hydrogen, Biofuels and other Renewable technologies
- Strengthen International Cooperation and facilitate Public-Private-Government partnerships in Green Energy technologies
- Unlock Climate Finance, Technology Transfer, Knowledge Sharing and Capacity Building



GLOBAL DIALOGUE.
ACTIONABLE OUTCOMES.

DELIVERABLES

- Agreements on Investment, Technology Transfer, and Knowledge Sharing
- State participation in deployment of Green Energy Projects
- R&D and breakthroughs in indigenization of technology of Electrolyzer, Fuel Cells, and Storage solutions
- R&D in alternate fuels such as Hydrogen production through Agro Waste, Ethanol Reforming, Methanol Reforming, Carbon Capture and Coal Gasification
- Feasibility of Synthetic Paraffin Kerosene as an alternative to Aviation Turbine Fuel
- Collaboration & Partnerships on Green Hydrogen, Biofuels and Renewables
- Release of Knowledge Book



09:30 -
10:30 HRSINAUGURAL
SESSION

- Arrival of Chief Guest, **Hon'ble Prime Minister of India***
- National Anthem
- Welcome Address by **Mr. Saket Dalmia, President, PHDCCI**
- Launch of **ICS 2023 Theme Film**
- Inaugural Address by **Sh. Narendra Modi***, *Hon'ble Prime Minister of India*
- Release of **Knowledge Book**
- Showcasing **Manthan**, a platform launched by Office of the Principal Scientific Advisor to the Govt. of India - for building & nurturing partnerships through science, technology and innovation

10:30 -
13:30 HRSPLENARY
SESSION

- Welcome Address by **Mr. Saket Dalmia, President, PHDCCI**
- Address by **Sh. Amitabh Kant**, *G20 Sherpa, Govt. of India*
- Address by **Dr. S. Jaishankar***, *Hon'ble Minister of External Affairs, Govt. of India*
- Address by **Sh. Bhupendra Yadav***, *Hon'ble Minister of Environment, Forest & Climate Change, Govt. of India*
- Address by **Sh. Raj Kumar Singh***, *Hon'ble Minister of Power and New & Renewable Energy, Govt. of India*
- Address by **Sh. Hardeep Singh Puri***, *Hon'ble Minister of Petroleum & Natural Gas, Govt. of India*
- Address by **Dr. Jitendra Singh***, *Union Minister of State (Ind. Charge) Science & Technology and Earth Sciences, Govt. of India*
- Address by **Dr. Vijay Kumar Saraswat***, *Member, NITI Aayog*
- Address by **His Holiness Sri Sri Ravi Shankar**, *Spiritual Master*
- Address by **Ms. Gro Harlem Brundtland***, *Former Prime Minister, Norway*
- Address by **Mr. Erik Solheim**, *Former Executive Director, UN Environment Programme*
- Address by **Mr. Vegard Frihammer**, *Founder & CEO, Greenstat ASA, Norway*
- Address by **Mr. John B. Goodenough***, *Nobel Laureate, University of Texas at Austin, USA*
- Address by **Mr. Nobuo TANAKA**, *Chair, the Steering Committee of Innovation for Cool Earth Forum (ICEF), Executive Director Emeritus, International Energy Agency (IEA), CEO, Tanaka Global, Inc. Tokyo, Japan*
- Address by **Mr. M. Stanley Whittingham***, *Nobel Laureate, Binghamton University, State University of New York, USA*
- Address by **Mr. Akira Yoshino***, *Nobel Laureate, Asahi Kasei Corporation, Tokyo Meijo University, Nagoya, Japan*
- Address by **Prof. Ajay Kumar Sood***, *Principal Scientific Advisor, Govt. of India*
- Address by **Dr. N. Kalaiselvi***, *Secretary, DSIR & Director General, CSIR, Ministry of Science & Technology, Govt. of India*
- Address by **Dr. Vibha Dhawan**, *Director General, The Energy and Resources Institute*
- Address by **Dr. Ajay Mathur**, *Director General, International Solar Alliance*
- Vote of Thanks by **Mr. Sanjeev Agrawal**, *Sr. Vice President, PHDCCI*

13:30 -
14:30 HRS

NETWORKING LUNCH

14:30 - 18:30 HRS

CONCURRENT KNOWLEDGE SESSIONS

Session 01

14:30 -
16:30 HRS

Lifestyle for Environment: Towards a Sustainable Future

MODERATOR

Dr. Karen Landmark

Green Strategy Officer/ Chair of the Board, Greenstat Asia

TOPIC

SPEAKER

Lifestyle for Environment

Mr. Erik Solheim

Former Executive Director of the UN Environment Programme

Circular Economy

To be confirmed

Regenerative Leadership

Dr. Karen Landmark

Green Strategy Officer/ Chair of the Board, Greenstat Asia

Spiritual & Cultural Transformation:
Inner & Outer Peace

Dr. J.P. Gupta

Summit Chair & Chair, Environment & Green Hydrogen Committee, PHDCCI

Charting a blueprint for sustainable development

Mr. Mahendra Rustagi

Co-Chair, Environment & Green Hydrogen Committee, PHDCCI

Session 02

14:30 -
16:30 HRS

Green Transition

MODERATOR

Dr. R.K. Malhotra, *President, Hydrogen Association of India*

TOPIC

SPEAKER

Production of Hydrogen through Electrolyzers

Mr. Sturle H. Pedersen

Chairman, Greenstat Hydrogen India Pvt. Ltd.

Transportation of Hydrogen & Storage

To be confirmed

Green Hydrogen application in Ammonia, Steel, Cement, Ceramics

To be confirmed

Safety & Standards

Dr. Chitra Rajagopal

Director General, COE in Hydrogen Economy at IIT Delhi

Accreditation and testing of electrolyzers and storage

To be confirmed

Session 03

14:30 -
16:00 HRS

Biofuels

MODERATOR

To be confirmed

TOPIC

SPEAKER

Production of Hydrogen through Agro & Bio waste

Dr. K.K. Pant, *Director, IIT Roorkee*

Synthetic Paraffin Kerosene

Mr. Oskar Meijerink, *Head of Future Fuels, SKYNRG*

Center of Excellence in Green Hydrogen Economy

To be confirmed

Session 04

16:30 -
18:30 HRS

Research & Development

MODERATOR

Dr. A.K.Balyan, Former Director-ONGC, Former CEO PETRONET LNG and Former CEO Upstream-Reliance.

TOPIC

Methanol & Ethanol Reforming

Carbon Capture

Coal Gasification

Indigenisation of Electrolyzers

Storage: Carbon Fibre, Metal Hydride, others

How to monitor and reduce risk in new & existing installations

Fuel Cell: Low Temperature Lab and High Temperature

SPEAKER

Padma Shri Prof. G. D. Yadav

National Science Chair (SERB/ DST/ GOI) & Emeritus Professor of Eminence

Dr. Mahesh Kumar

Sr. Principal Scientist, Innovation Management Directorate, Council of Scientific & Industrial Research (CSIR), Ministry of Science & Technology

To be confirmed

To be confirmed

To be confirmed

Prof. Jan Roar Bakke, Senior Vice President, GEXCON

Mr. Steffen Møller Holst, Vice President- Marketing, SINTEF

Session 05

16:30 -
18:30 HRS

Climate Finance

MODERATOR

Mr. Rajnish Kumar, Ex-Chairman, State Bank of India

TOPIC

Green Hydrogen Financing Options

Green Bonds

Government support – PLI

Carbon pricing and GH financing

SPEAKER

Mr. Shiva Rajaraman, CEO, NIIF

Ms. Surabhi Goel, Senior Energy Specialist, World Bank

Mr. Volker Jaensch

Renewable Energy & Climate Change Mitigation Expert, RENAC

Mr. Ajay Garg, MD, Equirus Capital

INAUGURAL ICS 2023 AWARDS

“MISSION LIFE
BORROWS FROM
THE PAST,
OPERATES IN THE
PRESENT, AND
FOCUSSES ON
THE FUTURE.”

Shri Narendra Modi
Hon'ble Prime Minister of India

19:30 HRS
ONWARDS

**ICS 2023
AWARDS**

ICS 2023 Awards Presentation followed by
Gala Cocktails & Dinner**

Green Energy Meet: Session of States

10:00 -
13:30 HRSMINISTERIAL
ROUNDTABLEPARTICIPATING
STATES

- Uttar Pradesh
- Madhya Pradesh
- Kerala
- Maharashtra
- Rajasthan
- Tamil Nadu
- Punjab
- Gujarat
- Jammu & Kashmir
- Haryana
- Assam

MODERATOR

Mr Alok Sharma,
ED,CHT, MOPNG

TOPIC

- What do States offer on Green Hydrogen, biofuels and renewables
- Presentations by States: Climate Actions, Policies, Legislations & Way Forward
- Panel Discussion followed by Q&A Session

13:30 -
14:30 HRS

NETWORKING LUNCH

14:30 -
16:00 HRSINDO-NORDIC
COOPERATIONPARTICIPATING
COUNTRIES

- Sweden
- Denmark
- Finland
- Norway
- Iceland

MODERATOR

Mr. Knut Linnerud
Greenstat ASA

Ms. Rina Sunder
Det Moderne India

TOPIC

Sustainable
Communities and
Cities

SPEAKER

Senior Representatives from:
C40 Cities/ Norfund/ KLP/
Pixii/ Cambi/ Orkla/ Scatec/
Yara/ Aker/ Aneo

To be confirmed

16:00 -
17:30 HRSBUSINESS
MEET
(B2G AND
B2B MATCH
MAKING)

- One-on-one interactions
- Meetings in smaller groups focussed on partnerships & collaborations
- Speed Networking between businesses (B2B) and with government agencies (B2G)

PRE REGISTRATION MANDATORY

17:30 -
19:00 HRSVALEDICTORY
SESSION

- Arrival of Chief Guest **Sh. Nitin Gadkari***, *Hon'ble Minister of Road Transport and Highways of India*
- Valedictory Speech by **Hon'ble Chief Guest**
- Felicitation of **ICS 2023 Award Winners**
- Closing the Summit: Reflections & Way Forward - An address by **Dr. J.P. Gupta** , *Summit Chair & Chair, Environment & Green Hydrogen Committee, PHDCCI*
- Closing Remarks by **PHDCCI Leadership**
- Vote of Thanks by **PHDCCI**



14 & 15 SEPTEMBER 2023
VIGYAN BHAWAN*, NEW DELHI

GOVERNING COUNCIL

STEERING COMMITTEE

Patron in Chief

Dr. Vijay Kumar Saraswat

Member, NITI Aayog

Chancellor, Jawaharlal Nehru University

Chairman

Mr. Dinesh K. Sarraf

Ex-CMD, ONGC & PNGRB

Members

Mr. Erik Solheim

Former Executive Director of the UN
Environment Programme

Mr. Saket Dalmia

President, PHDCCI

Dr. J.P. Gupta

Chair, Environment & Green
Hydrogen Committee, PHDCCI
Summit Chair, ICS 2023

Mr. Amarnath

Additional Secretary, Department of
Administrative Reforms & Public
Grievances, Ministry of Personnel, Public
Grievances and Pensions, Govt. of India

Dr. N. Kalaiselvi

Director-General, CSIR

Mr. R. R. Rashmi

Former Special Secretary, MoEFCC
Distinguished Fellow
Programme Director, Earth Science &
Climate Change, TERI, India

Mr. Rajnish Kumar

Ex-Chairman, State Bank of India

Mr. Vegard Frihammer

Green Executive Officer/ Founder
Greenstat Norway

Dr. SSV Ramakumar*

Director (R&D), Indian Oil Corporation

Dr. R. K. Malhotra

Hydrogen Association of India (HAI)

Mr. Alok Sharma

Hydrogen Association of India (HAI)

ORGANIZING COMMITTEE

Dr. J.P. Gupta

Chair, Environment & Green
Hydrogen Committee, PHDCCI
Summit Chair, ICS 2023

Dr. J.S. Sharma

Co-Chair, Environment & Green Hydrogen
Committee, PHDCCI

Mr. Mahendra Rustagi

Co-Chair, Environment & Green Hydrogen
Committee, PHDCCI

Mr. Umesh Sahdev

Co-Chair, Environment & Green Hydrogen
Committee, PHDCCI

Mr. Saurabh Sanyal

CEO-Secretary General, PHDCCI

Dr. Ranjeet Mehta

Dy. Secretary General, PHDCCI

Dr. Jatinder Singh

Asst. Secretary General, PHDCCI

Mr. Naveen Seth

Asst. Secretary General, PHDCCI

Ms. Kanchan Zutshi

Sr. Secretary, Environment Committee, PHDCCI

Mr. Sanjay Sarma

Principal Consultant & Founder
SSARMA Consults

Ms. Sonika Kushwaha

Executive Secretary, Greenstat Hydrogen India Pvt. Ltd.

Mr. Varun Sharma

Consultant, PHDCCI

Ms. Priyanka Mahto

Consultant, PHDCCI

SIGNIFICANCE OF INTERNATIONAL CLIMATE SUMMIT 2023

India's inclination towards compassion and self determination stems from a deep rooted cultural connection with spirituality and the emphasis on our role as caretakers of the planet.

Our spiritual and ancient traditions have a deep respect and reverence for the natural world, a recognition of the interdependence of all life forms, and a commitment to living in balance and harmony with oneself and the environment.

The message of peace and wisdom passed down to our generations transcends all aspects of life and is a testament to how much we can accomplish by adopting sustainable practices that are not solely guided by personal and economic gains.

It is therefore of great significance to understand the connection between spiritual knowledge, ancient wisdom, and climate change mitigation. And embark on this new pathway: an India-led global movement towards mainstreaming Lifestyle for Environment through Sustainable Practices, Green Hydrogen, Biofuels and Renewables.

Because only peace can lead to a shared purpose, so that our planet, its people and profits thrive collectively.



“**THOSE WHO
PROTECT NATURE,
ARE PROTECTED
BY NATURE.**”

Shri Narendra Modi
Hon'ble Prime Minister of India

WHO SHOULD ATTEND

- Academicians, Researchers & Scholars
- Bureaucrats & Government officials
- Civil Society representatives (NGOs, Advocacy groups and think-tanks)
- Diplomatic Mission & Trade Body representatives
- Ministerial representatives
- Policy Makers & Sectoral Advisors
- PSU and Private Sector Industry Representatives (MDs, CEOs, CXOs & senior management) from the energy, technology, finance, transportation and related sectors
- Press and Media



SUMMIT PARTNERS



MINISTRIES/ GOVERNMENT BODIES, GOVT. OF INDIA

- Ministry of Environment, Forest & Climate Change
- Ministry of New & Renewable Energy*
- Ministry of Road, Transport & Highways of India*
- Ministry of Chemicals & Fertilizers
- Ministry of Coal
- Ministry of Petroleum & Natural Gas*
- Ministry of Earth Science*
- Ministry of Science & Technology*
- Niti Aayog
- Department of Science & Technology
- Council of Scientific and Industrial Research



INTERNATIONAL/ NATIONAL

- International Solar Alliance
- Greenstat Norway
- Gexcon Norway
- Arena H2Cluster
- Norwegian Hydrogen Forum
- The Research Council of Norway
- Yara International ASA*
- Confederation of Norwegian Enterprise (NHO)*
- Macquarie Group*
- Green Investment Group, USA
- ACME Group*
- World Bank*
- Petron Sciencetech Inc.*



STATE GOVERNMENTS

- Uttar Pradesh*
- Maharashtra*
- Punjab*
- Haryana*
- Madhya Pradesh*
- Rajasthan*
- Gujarat*
- Assam*
- Kerala*
- Tamil Nadu*
- Jammu & Kashmir*

- Western Norway University of Applied Sciences
- The Energy and Resources Institute (TERI)
- Centre of Excellence in Process Safety & Risk Management, IIT Delhi
- Shriram Institute for Industrial Research
- Coimbatore Institute of Technology
- Greenstat Hydrogen India
- Hydrogen Association of India
- Larsen & Toubro
- Reliance Industries Limited
- ADANI Green
- ReNew Power
- Shroff S. R. Rotary Institute Of Chemical Technology
- Suzlon Energy Limited



“ **TODAY'S NEED IS FOR
MINDFUL AND DELIBERATE
UTILISATION INSTEAD OF
MINDLESS AND
DESTRUCTIVE
CONSUMPTION.** ”

Shri Narendra Modi
Hon'ble Prime Minister of India

For participating opportunities & enquiries

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Summit Organiser



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