



Email: info@greenashcon.com, greenashcon2021@gmail.com

Address: 80, Ramdaspath, Nagpur – 440010

M: +91-8459886492

Dear Friend,

The impact of Covid 19 on the infrastructure and construction sector has been extensive and damaging. In last one year the coronavirus pandemic has changed the world and impacted our lives in ways that were largely unimaginable.

Now as countries slowly start planning to rebuild their economies, create jobs and strengthen public infrastructure, they have a unique opportunity to make intelligent course corrections in their development approach by embracing Green Building materials and construction technologies which are energy efficient sustainable, affordable and environment friendly.

The construction sector is highly energy-demanding and carbon-intensive, accounting for 39% of global energy-related CO2 emissions. India is witnessing tremendous growth in infrastructural development which is now one of the largest economic activities. Construction sector is growing rapidly but preserving the environment is a challenge as natural resources are depleting at an alarming rate. While this rapid expansion of infrastructure is a challenge for the construction sector on its path to meet the goals of the Paris Agreement, it also opens a window of opportunity. The construction sector can provide the boost we need to jump-start the economy in the aftermath of COVID-19.

India has vast coal reserve of over 211 Billion Tons making coal as most extensively used fossil fuel for generation of power in the country. By the year 2030 coal consumption in power sector is expected to reach 1000 million tons which will generate about 400 million tons of Fly ash. The disposal of which is a serious concern as it is a major source of Environmental pollution.

We, GREEN ASH FOUNDATION, an NGO and non-profit organisation have taken up the task to promote Fly Ash as Green building material by organising training programs, workshops, conferences and develop affordable technologies to maximize use of Fly Ash. Since 2017 we are organising International Conference & Expo "GREEN ASHCON" for the benefit of all stakeholders.

This year GREEN ASHCON 2021 & GREEN BUILDCON 2021 are organized jointly with The Institution of Engineers (India) Nagpur Centre on 25th & 26th March 2021.

About 500 delegates and over 100 exhibitors representing Green Building material manufacturers, Power Producers, Cement Industries, Fly Ash users, Researchers & Scholars, Public & Private sector organizations are expected to participate.

We invite you to sponsor the event, participate in the exhibition and nominate delegates from your organisation. A copy of brochure is attached herewith.

For registration visit our website www.greenashcon.com

Thanking you,
Yours Sincerely,

Sudhir Paliwal
Convenor, GREEN ASHCON 2021



**GREEN
ASHCON
2021**



**GREEN
BUILDCON
2021**



**CONFERENCE ON
FLY ASH UTILISATION
& GREEN BUILDING MATERIALS**

25, 26 & 27 March 2021

Venue: Institution of Engineers (I) Nagpur
North Ambazari Road, Nagpur - 440010

ORGANIZED BY:



**GREEN
ASH
FOUNDATION**



Supported By:



ORGANISERS

GREEN ASH FOUNDATION, an NGO and non-profit organisation have taken up the task to promote Fly Ash as Green building material by organising training programs, workshops, conferences and develop affordable technologies to maximize use of Fly Ash.

The Conference GREEN ASHCON is organized by Green Ash Foundation since 2017 to promote Fly Ash as Green Building Material. GREEN ASHCON 2021 & GREEN BUILDCON 2021 is organized jointly with The Institution of Engineers (India) Nagpur Centre on 25th & 26th March 2021. The Institution of Engineers (India) is a statutory body to promote and advance the engineering and technology, established in 1920 and incorporated by Royal Charter in 1935. It is the largest multi-disciplinary professional body of engineers encompassing 15 engineering disciplines with a corporate membership of over 2 lakhs. Nagpur Local Centre of The Institution of Engineers (India) was established in 1947. The Centre gave two National Presidents to the Institution of Engineers (India) and eminent engineering personalities in the practicing field.

CURRENT SCENARIO

India is witnessing tremendous growth in infrastructural development. The construction industry has become one of the largest economic activities. Construction sector is growing rapidly but preserving the environment is a challenge as natural resources are depleting at alarming rate.

Green building, also called sustainable building or green construction, is the concept of creating structures and processes that are environmentally responsible and resource-efficient throughout a building's life-cycle from siting to design, construction, operation, maintenance, renovation and deconstruction. Green buildings which are designed to use less water, improve energy efficiency, conserve natural resources and provide healthier spaces have a catalytic role in addressing environmental issues and global warming.

Green building materials are made from Fly Ash, Construction & Demolition waste, Industrial/Mining waste, Red Mud, Agro waste, Natural Fibres, FGD Gypsum, Geopolymer Cement, Bamboo, Engineered Wood, Rice Husk Ash, Waste Plastic Bricks etc.

India has vast coal reserve of 211 Billion Tons making coal as most extensively used fossil fuel for generation of power in the country. By the year 2030 coal consumption in power sector is expected to reach 1000 million tons which will generate about 400 million tons of Fly Ash. Ministry of Environment Forest & Climate Change, MoEF&CC, Govt of India, has come out with various notifications to promote 100% Ash Utilisation and made it mandatory for Fly Ash producer to supply fly ash free of cost upto 100 Kilometres radius to all users. However the present utilisation of Fly Ash is low as only 83% is utilised in sectors like Cement, Reclamation of Low Lying Area, Ash Dyke Raising, Bricks & Tiles, Mine Filling, Roads & Embankments etc.

GREEN ASHCON 2021" and "GREEN BUILDCON 2021

Conference will have various sessions & presentations on :

- Fly Ash utilisation scenario in India and Maharashtra State Fly Ash Policy.
- Fly Ash utilisation presentation by power plants in Maharashtra.
- Directives issued by MoEF&CC, CPCB, Environment Department, Government of Maharashtra, Maharashtra Pollution Control Board,(MPCB).
- Regulatory & Legal framework for generation and utilisation of Fly Ash.
- Grinding, Classification and Mechanical activation of Fly Ash for high strength concrete.
- Bulk storage & transportation of Fly Ash. ▪ Energy conservation in Fly Ash handling, transportation and utilisation.
- Bioremediation of waste lands, ash ponds & restoration through sustainable plantation of bamboo/ bio energy crop.
- Export potential of Fly Ash and Cenospheres.
- Employment potential in Fly Ash utilisation sector, FGD gypsum, Fly Ash bricks , AAC blocks, EPS panels.
- Fly Ash Clay Bricks - energy efficient zig zag brick kilns & vertical shaft brick kilns.
- Fly Ash based geopolymer – green building materials, geopolymer - sand and aggregates, geopolymer - concrete road.
- Fly Ash based engineered stone flooring – substitute for granite & marble flooring using fly ash and Mining Industry waste.
- Engineered Wood from Bamboo & Agro waste and Natural fiber based building materials.
- Manufactured Sand as alternate to River Sand. ▪ Fly-Ash Steel Fiber pre-cast concrete products.
- Clean Coal Technologies - washed coal for ash reduction.
- Torrefied Fuel - Torrefaction process to convert biomass into a coal-like material.

Highlights - "GREEN ASHCON" 2017 - 2020

Optimise use of fly ash to reduce pollution: Gadkari
 Union Minister Gadkari has urged industries to optimise the use of fly ash to reduce pollution. He said, "Fly ash is a by-product of the coal-based power generation process. It is a hazardous waste and its improper disposal can cause serious environmental pollution. Therefore, industries should take steps to optimise the use of fly ash and dispose of it in an eco-friendly manner."

प्रकृति को बचाने बड़े फ्लाय एश का उपयोग : हुसैन
 Union Minister Husain has urged industries to optimise the use of fly ash to reduce pollution. He said, "Fly ash is a by-product of the coal-based power generation process. It is a hazardous waste and its improper disposal can cause serious environmental pollution. Therefore, industries should take steps to optimise the use of fly ash and dispose of it in an eco-friendly manner."

ग्रिन अशकॉन परिषदेला उत्सुक प्रतिस्ाद
 The Green Ashcon Council has urged industries to optimise the use of fly ash to reduce pollution. It said, "Fly ash is a by-product of the coal-based power generation process. It is a hazardous waste and its improper disposal can cause serious environmental pollution. Therefore, industries should take steps to optimise the use of fly ash and dispose of it in an eco-friendly manner."

'Fly ash utilisation can create ample job opportunities'
 Union Minister Gadkari has urged industries to optimise the use of fly ash to reduce pollution. He said, "Fly ash is a by-product of the coal-based power generation process. It is a hazardous waste and its improper disposal can cause serious environmental pollution. Therefore, industries should take steps to optimise the use of fly ash and dispose of it in an eco-friendly manner."

रोजगार बढ़ाएगा फ्लाय ऐश का उपयोग
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Fly-ash use can generate employment, says Gadkari
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EVENT VENUE :



Institution of Engineers (I) Nagpur
 North Ambazari Road, Nagpur 440010



EVENT SCHEDULE

DAY - 1

- 10:00 HRS
- 10:30 HRS
- 10:45 HRS
- 11:30 HRS
- 11:45 HRS
- 13:00 HRS
- 14:00 HRS
- 15:00 HRS
- 16:00 HRS
- 16:15 HRS
- 17:00 HRS

25 March 2021

- Inauguration of Exhibition
- Inauguration of The Conference
- Introduction of The Event
- Speaker - 1
- Speaker - 2
- Tea Break
- Paper Presentation - 01
- Paper Presentation - 02
- Lunch Break
- Paper Presentation - 03
- Paper Presentation - 04
- Paper Presentation - 05
- Paper Presentation - 06
- Tea Break
- Paper Presentation - 07
- Paper Presentation - 08
- END OF DAY - 1

DAY - 2

- 10:00 HRS
- 11:00 HRS
- 11:30 HRS
- 11:45 HRS
- 13:00 HRS
- 14:00 HRS

26 March 2021

- Paper Presentation - 09
- Paper Presentation - 10
- Paper Presentation - 11
- Tea Break
- Paper Presentation - 12
- Paper Presentation - 13
- Lunch Break
- Paper Presentation - 14
- Paper Presentation - 15
- Paper Presentation - 16
- Paper Presentation - 17

DAY - 3

- 10:00 HRS
- 11:00 HRS
- 12:00 HRS
- 12:15 HRS
- 14:15 HRS

27 March 2021

- Paper Presentation - 18
- Paper Presentation - 19
- Tea Break
- VALEDICTORY CEREMONY
- END OF EVENT



EXHIBITION STALL TARIFF

- 1) 3m x 3m Stall
- 2) 3m x 6m Stall

Rs. 6,500 per Sq. M +GST@18%
Rs. 6,000 per Sq. M +GST@18%

DELEGATE REGISTRATION DETAILS

SR. NO.	PARTICULARS	FEES
1	Industry and Government Representative	Rs. 5000/-
2	Small Scale Industry/ Industry Association Representative	Rs. 3000/-
3	Researchers and Scholars	Rs. 2000/-
4	Students of Full Time Degree/Diploma course	Rs. 1000/-

SPONSORSHIP

(+ 18% GST Extra)

	TITANIUM	PLATINUM	GOLD	SILVER
No. of Complimentary Registrations	15 Delegates	10 Delegates	7 Delegates	5 Delegates
Technical Paper Presentation	One presentation In relevant Technical session	One presentation In relevant Technical session	Sponsor introduction during Technical Session	Sponsor introduction during Technical Session
Exhibition Space	Stall Space 3m x 6m	Stall Space 3m x 3m	Poster Space	Poster Space
Conference Stage Backdrop	Yes	Yes	NA	NA
Entrance Gate Banner	Yes	Yes	NA	NA
Digital Display @ 2 Locations	Yes	NA	NA	NA
Logo on E-mail Invitations	Yes	NA	NA	NA
Logo on Event Website	Yes	Yes	Yes	Yes
Sponsorship Amount (INR)	15,00,000 +GST	10,00,000 +GST	7,00,000 +GST	5,00,000 +GST

PAYMENT METHODS

By Cheque / Draft in favour of "GREEN ASH FOUNDATION" **OR** By Direct Transfer
Account Name: GREEN ASH FOUNDATION | **Account Number:** 349802010071353
Bank: Union Bank of India | **Branch:** Gokulpeth, Nagpur | **IFSC:** UBIN0534986

Patrons:

Shri Ashish Jaiswal, Chairman, Maharashtra State Mining Corporation, Nagpur
 Smt. Buveneswari Suriyan, IAS, Chief Executive Officer, Nagpur Smart and Sustainable City Development Corporation Limited
 Shri Ulhas P Debadwar, Secretary, Public Works Department, MS
 Shri Raju P Burde, Executive Director, O&M, Maharashtra State Power Generation Co Ltd
 Shri P M Parlewar, Director, MSME-Development Institute, Ministry of Micro Small & Medium Enterprise, Government of India
 Shri Ashok Dharmadhikari, Joint Director of Industries, Nagpur Region
 Shri S D Dashpute, Chief Engineer, Public Works Department, Nagpur
 Shri V M Motghare, Director, Maharashtra Pollution Control Board
 Shri Abhijit Ghosh, Director & CRC, Western Region, Petroleum Conservation Research Association
 Shri Prashant Gedam, General Manager, Mahatma Phule Backward Class Development Corporation Ltd
 Dr R L Shrivastava, Chairman, The Institution of Engineers (India) Nagpur
 Shri Hakimuddin Ali, Executive Director, Dalmia Cement
 Shri Rajendra Athwale, Ex Chairman-Maharashtra, Builders Association of India, Nagpur
 Shri Anil Nair, Chairman, Builders Association of India, Nagpur Centre
 Shri Pradeep Nagrare, Chairman Elect, Builders Association of India, Nagpur Centre
 Shri Prakash Devalkar, Chairman, Builders Association of India, Butibori Centre
 Shri Vikas Kumar Kashyap, Senior Div. Comm. Manager, South East Central Railway, Nagpur

Convenor:

Shri Sudhir Paliwal, Chief Mentor, Green Ash Foundation and Expert Member, Maharashtra State Fly Ash Council

Organizing Committee:

Shri Nitin Ronghe, President, RTM Nagpur University Alumni Association, Shri M S Kadu, Hon. Secretary, The Institution of Engineers (India) Nagpur,
 Shri Rahul Nemade, President Nagpur Fly Ash Cluster, Dr Swapnil Wanjari, Asst. Prof. VNIT, Shri Shishir K Shete, Shri Shekhar Amin, Shri Rupesh Wairagade, Shri Sanjay Jumle,
 Assistant Vice President Reliance Power Industries Ltd, Shri Ravindra Mokhad, Dr. Abhay Deshmukh, Asst. Prof., Dept. of Physics, RTMNU, Shri S S Sonkusare,
 Dr Kavita Deshmukh, Shri S W Patil, Smt Bharti Chakraborty, Shri Chetan Khanorkar, Shri Abhishek Agrawal.

For Registration & any other details visit our website www.greenashcon.com Email: greenashcon2021@gmail.com

Contact Office: 80, Ramdaspath, Nagpur - 440010 (M): +91 84598 86492

Anil Gothi (Co-ordinator) +91 9822 73 63 43

● Wear A Mask ● Maintain Social Distancing ● Wash your hands regularly