



NATIONAL CONFERENCE ON
FLY ASH UTILISATION
GREEN BUILDING MATERIALS
& MANUFACTURED SAND (M-SAND)

PLANT & MACHINERIES, SUSTAINABLE TECHNOLOGIES

05th, 06th & 07th December 2025
Venue : NIT Campus, G.E. Road, Raipur (C.G.)



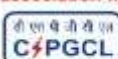
ORGANISED BY

**GREEN ASH
FOUNDATION
NAGPUR**

&

**NATIONAL INSTITUTE
OF TECHNOLOGY,
RAIPUR**

In association with



Current Scenario

All India installed capacity of coal based power plants as on 31.03.2025 is 2,15,193 MW installed capacity of Chhattisgarh is 12,221 capacity addition of 3000 MW is under construction.

As per Ministry of Coal Government of India annual report 2024-25 India has vast coal reserve of 389000 Million Tonnes, during 2024-25 Raw Coal production was 1047 Million Tonnes. 793 Million Tonnes of coal (75%) was used for power generation which generated 340 million tonnes (43%) ash.

The primary uses for ash across India in 2024-25 were:

- * Roads and flyovers construction (32%).
- * Cement industry (27%).
- * Bricks and tiles manufacturing (14%).
- * Backfilling and mine filling (approx. 21% combined).

Chhattisgarh generated about 53 million tonnes of coal ash however only 9.4% was used by cement industry. This indicates a low utilization rate within this specific sector compared to all India average. Chhattisgarh faces a significant challenge with legacy coal ash accumulation due to high power generation and historically poor utilization rates, especially in areas like the Korba district. This backlog of unutilized ash in ash ponds and mounds poses serious environmental and health risks, including the contamination of soil, water bodies, and air.

The Ministry of Environment, Forest and Climate Change (MoEF&CC) notified Ash Utilization Notification, 2021 on 31.12.2021 with subsequent amendments in December 2022 and January 2024 which mandate coal or lignite based thermal power plants to achieve 100% utilisation of ash in the prescribed eco-friendly purposes and time lines. Thermal Power Plants are required to meet time-bound targets for the utilisation of unutilized legacy ash accumulated in ash ponds or dykes. The deadline for full utilisation is generally 10 years from the date of the 2021 notification. An environmental compensation of 1,000/- per ton is imposed on unutilized legacy ash at the end of each financial year if targets are not met.

Organisers

Green Ash Foundation, Nagpur: A non-profit NGO, Green Ash Foundation has been actively promoting the use of fly ash as a green building material. The foundation organises training programs, workshops, and conferences, and develops affordable technologies to maximize fly ash utilisation. Since 2017 the International Conference & Expo "Green AshCon" is successfully held to benefit all stakeholders in the fly ash and construction sectors.

National Institute of Technology, NIT Raipur: Formerly known as Government Engineering College (GEC) Raipur, is situated in the capital city of Chhattisgarh state. The institute has established its unique identity for the development of high quality human and knowledge resource in diverse area of technology. It was declared as 'National Institute of Technology' by the Government of India on 1st December 2005 and then an 'Institute of National Importance' in May 2007 vide National Institute of Technology Act 2007. With over six decades of glorious history as a premier technical education institution in India, NIT Raipur offers 12 UG and 11 PG programmes. It also offers Ph.D. programme in 18 disciplines of science and technology.

About Raipur

Raipur, the capital of Chhattisgarh, was formerly a part of Madhya Pradesh until the new state was formed on 1st November 2000. Over the years, Raipur has witnessed remarkable industrial growth and has emerged as a major business and industrial hub of Central India. The city has also earned recognition for its environmental efforts, being ranked the 8th Cleanest Air City (Category 1: population above 10 lakh) in Swachh Vayu Survekshan 2024. Chhattisgarh's strong industrial base, rich mineral resources, and leading production of steel and iron make it one of India's most promising destinations for investment and business. It is also major educational hub, hosting premier institutes such as IIM, NIT, AIIMS, IIIT, HNLU, and CIPET.

Raipur and its surrounding regions offer rich tourism and natural attractions, including Waterfalls, several Temples and Barnawapara Wildlife

Green Ashcon 2025

The conference will feature technical sessions, expert talks, and industry presentations on the following key themes:

- * Current Scenario of Fly Ash Utilisation in India and Chhattisgarh
- * Fly Ash Utilisation Initiatives by Power Plants in Chhattisgarh – NTPC, CSPGCL, and Independent Power Producers (IPPs)
- * Guidelines & Directives issued by MoEF & CC, CPCB, and CECB for sustainable fly ash management
- * Central and State Government Policies promoting 100% fly ash utilisation
- * Regulatory and Legal Framework for generation, storage, and utilisation of fly ash
- * Advance Technologies for grinding, classification, and mechanical activation of fly ash for high-strength concrete
- * Bulk Handling, Storage, and Transportation Solutions for efficient ash movement
- * Bio-remediation and Land Restoration of ash ponds and wastelands through bamboo and bio-energy crop plantations
- * Export Potential of fly ash, cenospheres, and related by-products from Central India
- * Employment and Entrepreneurship Opportunities in fly ash-based products such as bricks, blocks and building materials
- * Value Extraction Technologies – recovery of alumina, silica, and rare earth elements (REEs)

Green Buildcon 2025

India is witnessing rapid growth in infrastructure development, making the construction industry one of the largest contributors to the national economy. However, with this growth comes a major challenge, the depletion of natural resources and the need to preserve the environment.

The concept of Green Building is also known as sustainable or eco-friendly construction which focuses on creating structures that are environmentally responsible and resource-efficient throughout their entire life cycle: from design and construction to operation, maintenance, and renewal.

Green buildings are designed to use less water, conserve energy, reduce waste, and create healthier living and working environments. They play a crucial role in addressing climate change and promoting sustainable urban development.

Modern green building materials are developed from industrial and agricultural by-products, helping reduce waste and carbon emissions. These include: Fly Ash, Construction & Demolition Waste, Industrial / Mining Waste, Red Mud, Agro Waste, Natural Fibres, FGD Gypsum, Geopolymer Cement, Bamboo, Engineered Wood and Waste Plastic Bricks.

Conference will have various Technical Sessions and Presentations like:

- * Fly Ash Bricks, AAC Blocks, EPS Panels
- * Fly Ash Clay Bricks – Energy Efficient Vertical Shaft Clay Fly Ash Brick Kilns
- * Fly Ash based Geopolymer – Green Building Materials, Geopolymer – Sand and Aggregates Geopolymer Concrete Roads
- * Fly Ash Based Engineered Stone – Substitute for Granite and Marble flooring using Fly Ash and Mining Industry Waste
- * Engineered wood from Bamboo and Energy plantations grown on waste land
- * M-sand from stone aggregates – a substitute for River Sand
- * Natural Fibre based Building Materials
- * Fly Ash–Steel Fibre pre-cast concrete products

EXHIBITIONS WILL HAVE STALLS OF GREEN BUILDING MATERIAL MANUFACTURERS, PLANT & MACHINERY SUPPLIERS, TECHNOLOGY PROVIDERS, R & D INSTITUTES, MSME POLICIES.



EVENT SCHEDULE

DAY-1

11:00 Hrs	Inauguration of Exhibition
11:30 Hrs	Inauguration of Conference
11:45 Hrs	Introduction of the EVENT & Address by dignitaries
13:00 Hrs	Vote of thanks
13:30 Hrs	LUNCH BREAK
14:15 Hrs - 15:00 Hrs	Paper Presentations
15:00 Hrs - 15:45 Hrs	Paper Presentations
15:45 Hrs - 16:00 Hrs	TEA BREAK
16:00 Hrs - 16:45 Hrs	Paper Presentations
16:45 Hrs - 17:30 Hrs	Paper Presentations

Friday, 5th December 2025

DAY-2

09:30 Hrs	Paper Presentation
10:30 Hrs	Paper presentation
10:30Hrs - 10:45 Hrs	TEA BREAK
10:45 Hrs - 11:30 Hrs	Paper Presentation
12:15 Hrs	Paper Presentation
13:00 Hrs	Paper Presentation
13:00 Hrs - 14:00 Hrs	LUNCH BREAK
14:15 Hrs - 15:00 Hrs	Paper Presentation
15:15 Hrs - 16:00 Hrs	Paper Presentation
16:00 Hrs - 16:45 Hrs	Paper Presentation

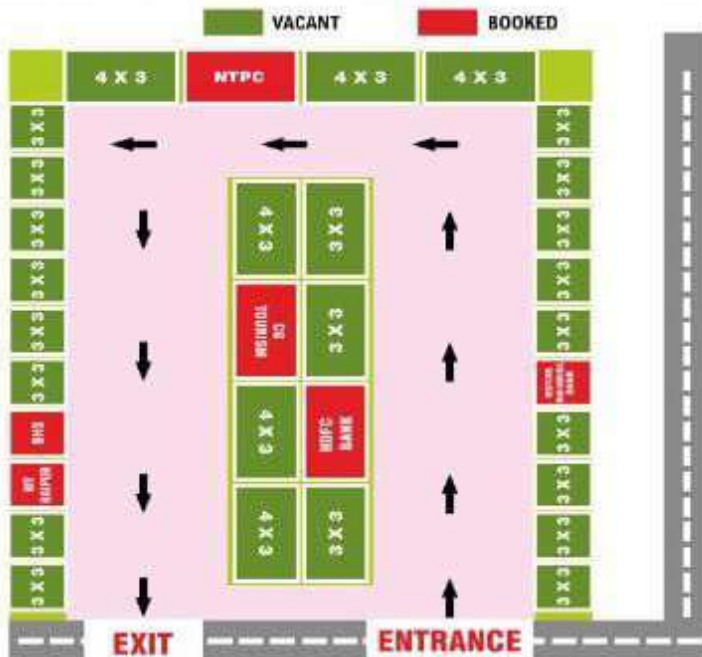
Saturday, 6th December 2025

DAY-3

09:45 Hrs-10:30 Hrs	Paper Presentation
10:30 Hrs-11:15 Hrs	Paper Presentation
11:15 Hrs-12:30 Hrs	VALEDICTORY CEREMONY
	END OF EVENT

Sunday, 7th December 2025

EXHIBITION LAYOUT PLAN



STALL CHARGES

- 1) 3 X 3 = 9 Sq.mtrs. X 5000/- per Sq.mtrs. = 45000/- + gst 18% extra
- 2) 4 X 3 = 12 Sq.mtrs. X 5000/- per Sq.mtrs. = 60000/- + gst 18% extra

FOR MORE DETAILS CALL

OFFICE : Plot No. 80, Ramdaspeth, Nagpur - 440010
M : 9822736343, 7387696115 Email : greenashcon2025@gmail.com

DELEGATE REGISTRATION DETAILS

SR. NO.	PARTICULARS	FEES
1	Industry and Government Representative	Rs. 7,000/-
2	Small Scale Industry/ Industry Association Representative	Rs. 5,000/-
3	Researchers and Scholars	Rs. 2,500/-
4	Students of Full Time Degree/Diploma course	Rs. 2,000/-
5	Fly Ash Bricks / Products Manufacturers	Rs. 3,000/-

Plus GST 18%

	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 4m X 4m	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)	Rs. 25,00,000/-	Rs. 15,00,000/-	Rs. 10,00,000/-	Rs. 7,00,000/-

Plus GST 18%

PAYMENT METHODS

By Cheque / Draft in favour of "GREEN ASH FOUNDATION "

By Direct Transfer

Account Name: GREEN ASH FOUNDATION | Account Number: 349802010071353

Bank: Union Bank of India | Branch: Gokulpeth, Nagpur | IFSC: UBIN0534986

Patrons :

Prof. N. V. Ramana Rao, Director, N.I.T., Raipur
Shri S. K. Katiyar, Managing Director, CSPGCL, Raipur
Shri Ram Bhajan Malik, Executive Director (Ash & NI), NTPC Ltd.
Shri Sudhir Paliwal, Chairman, Green Ash Foundation, Nagpur

SCAN & REGISTER



Convener : Anil Gothi : 9822736343:

Co-ordinators : Mahi Chaudhary, Maahi Jain, Dr. Chandrakant Thakur, Dr. Laxmikant Yadu

For further details visit our **website** : www.greenashcon.com

Email : greenashcon2025@gmail.com | greenashfoundation@gmail.com

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OUR MEDIA PARTNER

