

# ANULOM

## NEWSLETTER

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The official newsletter of ANULOM Technologies Pvt. Ltd. Pune



### Editorial...

Dear Readers,

We welcome you to yet another new, informative, and interesting topic viz. the construction industry – in this issue of the Anulom Newsletter.

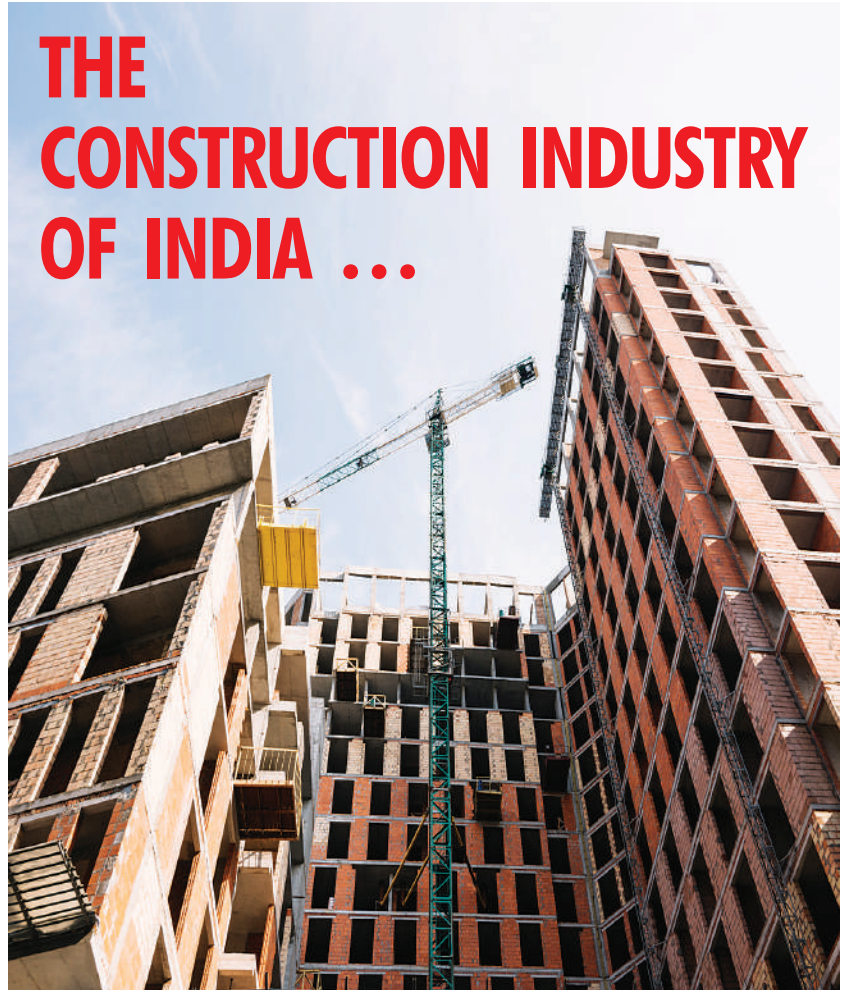
We hope you will certainly find this subject useful to you all in your business and personal life. Your feedback on the Newsletter is always welcome.

Regards,

— Editor



## THE CONSTRUCTION INDUSTRY OF INDIA ...



The construction industry of India is an important indicator of the development as it creates investment opportunities across various related sectors. With a share of around 8.2%, the construction industry has contributed an estimated<sup>1</sup> 670,778 crores (US\$ 131 billion) to the national GDP at factor cost in 2011–12. In 2011, there were slightly over 500 construction equipment manufacturing companies in all of India. The sector is labour-intensive and, including indirect jobs, provides employment to more than 49.5 million people.

The construction sector is visualized to play a powerful role in economic growth, in addition to producing structures that add to productivity and quality of life. economic development is a term that economic politicians and others have used frequently in the 20th century, modernization westernization, and especially industrialization are other terms people have used while discussing economic development. economic development has a direct relationship with the environment. government undertaking to meet go abroad economic objectives such as price stability, high employment, and sustainable growth, such efforts include financial and economic policies, regulations of financial industry trade, and tax policies.



## How big is the construction industry in India?

The size of India Construction market is around USD 639 billion in the current year and is anticipated to register a CAGR of over 6% during the forecast period.

## How does the construction industry work in India?

The Construction industry in India consists of the Real estate as well as the Urban development segment. The Real estate segment covers residential, office, retail, hotels, and leisure parks, among others.

## What is the GDP of construction in India?

### Value of construction to India's GDP Q2 2018-Q4 2023

India's construction industry was valued at over 3.5 trillion Indian rupees in fourth quarter of 2023. This was a significant increase compared to previous years, when the value shrank due to the coronavirus (COVID-19) pandemic.

## How much money is required to start a construction company in India?

The investment required for Construction Business in India varies from Rs. 10 lakhs to Rs. 500 crores depending on the size and complexity of the project. A construction company must invest in land and buildings, machinery, tools, equipment, and inventory.

## What is the life of concrete building in India?

Generally, when properly designed, constructed, and maintained, concrete structures in India can have a lifespan of 50 to 100 years or even more.

## What is the future of construction in India?

A burgeoning housing economy and the Central Government's massive infrastructure push are driving India's construction boom. As per reports, the country is set to become the third-largest construction market globally following China and the US. Estimates show that the industry is set to reach \$1.4 trillion by 2025.

## How many contractors are there in India?

Of them, 5.4 million workers (or 40.2 per cent) were contract workers — the highest ever — compared to only 39.4 per cent in the preceding year. In the pre-Covid year of FY20, the share of contract workers stood at 38.4 per cent as only 5.02 million of the total 13.05 million workers were employed through contractors.

## What is the growth of Indian construction sector?

The India Construction Market size was valued at USD 884.72 billion in 2023, and is predicted to reach USD 2134.43 billion by 2030, at a CAGR of 12.6% from 2024 to 2030

## What is the future of AI in construction?

These AI based systems can also optimize construction and building design by optimizing HVAC systems, lighting, and other energy-consuming components. Using AI, these tools can simulate different design scenarios to find the most sustainable solutions, reducing energy consumption and environmental impact.

## Is AI a threat to architects?

AI tools are convenient and efficient, so there is a

potential risk of over-reliance. Architects might just accept the solutions offered by AI, which would affect critical thinking and cause the architect to lose out on exploring alternative design solutions.

## How is 3D printing used in construction?

3D printing as part of building design and construction can streamline the prototyping process, and make it possible to construct multiple prototypes in a short period. These prototypes can be useful for several reasons. A scale prototype of an entire building helps assess its feasibility and structural integrity.

## Can AI replace builders?

Bottom Line: The construction industry will need manpower currently and soon to keep up operations. According to a recent report by Goldman Sachs, AI technology can only handle 25% of "unpredictable physical work," which the category of construction falls under.

## Here are some steps that builders and developers follow in the construction process:

### Initiation phase :

The first stage of planning, where the project's goals are defined and its feasibility is assessed.

### Building permits :

Before construction begins, the necessary permits must be secured. This process can be time-consuming because multiple authorities must approve the project.

### Design :

The design process involves creating plans that are realistic and meet the client's expectations.

### Construction phase :

This is the period when physical construction takes place.

### Construction certification :

Once construction is complete, the contractor and architect must certify that the building is functional.

### Framing :

After the foundation is in place, the building's skeleton is formed through reinforcement and framing.

### Electrical and plumbing :

High-quality materials should be used for the electrical and plumbing layout.

### Documentation :

It is important to secure the authorities' permission and get registered for the project to avoid demolition due to a lack of documentation.

## Here are some safety steps for construction of a building:

### Fall protection :

Falls are a leading cause of worker deaths in construction, so employers must ensure proper fall protection systems are in place.

### Hazard communication :

Employers must have a written program that includes an inventory of all hazardous chemicals on site. Containers of hazardous substances must be labeled and have a hazard warning.

### Keep the work area clean :

A clean work area reduces the risk of accidents and increases fire safety.

## Safety training :

Construction workers should receive comprehensive safety training that is tailored to the specific hazards of the construction site.

## Wear appropriate PPE :

Employers must ensure that all workers wear the appropriate PPE, including hard hats, gloves, eye and ear protection, and respiratory protection.

## Communication :

Make sure everyone knows their role and how it fits into the overall construction process. Labelling tools can help prevent mix-ups.

## Emergency response plans :

An emergency plan can direct workers on the procedure after an accident or hazard.

## Inspect tools and equipment regularly :

Scaffolding requires inspections after turbulent weather.

## Other safety tips include:

- Following signs
- Providing clear instructions
- Organizing and storing tools properly
- Using the right equipment for each task
- Setting up safeguards
- Reporting issues immediately

## 10 Construction Site Safety Rules

Prevent construction hazards with these site safety rules.

To avoid injuries, accidents, and other health problems in a construction site, below are general construction safety rules that should be followed to keep workers and visitors safe:

1. Always wear PPE
2. Be mindful and follow signs
3. Provide clear instructions
4. Keep the construction site tidy
5. Organize and store tools properly
6. Use the right equipment for each task
7. Prepare an emergency response plan
8. Set up safeguards
9. Inspect tools and equipment regularly
10. Report issues immediately

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# स्फुरणिका

## अनुकरण

अनुकरण करणे ही गोष्ट आपण अगदी लहानपणीच शिकतो. वयाच्या चौथ्या वर्षी आजोबांची टोपी, कोट घालून आणि त्यांची काठी आणि नाकावरचा चष्मा घालून तोंडाचे बोळके करून बोलताना एखादे मूल बघितले की त्याचे कौतुक होते. 'छान नक्कल करतो की..' असे म्हटले जाते. ही झाली लहानपणीची गोष्ट. पण आपण मोठे होत गेलो की आपण दिसण्याचे अनुकरण करतो की गुणांचे अनुकरण करतो, हे महत्त्वाचे ठरते.

अनुकरण या गोष्टीचा एक महत्त्वाचा पैलू म्हणजे आपण कुणाचे अनुकरण करतो आणि आपले अनुकरण कोण करतो. आपल्या चांगल्या गोष्टींचे अनुकरण होत असेल तर ती अभिमानाची गोष्ट आहे. उदा. आपली व्यायामाची आवड बघून आपल्या मुलाने नियमितपणे व्यायाम करणे ही चांगलीच गोष्ट आहे. पण त्या मुलाने एखाद्या नटाची केस वाढवण्याच्या स्टाईलचे अनुकरण करण्याचा प्रयत्न केला तर तो विनोदाचा विषय होऊ शकतो. सध्या टीव्हीवर काही वाहिण्यांवर राजकीय लोकांच्या लकबी आणि नकला चालू असतात. करमणूक म्हणून ते ठीक आहे. पण या बहुतेक लकबी अनुकरण करण्यासारख्या आहेत असे वाटत नाही.

उदा. संत एकनाथ म्हणतात - जो जो जयाचा गुण तो तो म्या गुरु केला जाण ॥

अनुकरण करावे ते गुणांचे, दिसण्याचे किंवा लकबींचे नको. उदा. स्वातंत्र्यवीर सावरकरांचे अनुकरण करायचे असेल तर ते त्यांच्या देशभक्तीचे, स्वार्थ त्यागाचे, वैज्ञानिक दृष्टिकोनांचे आणि प्रतिभेचे (जे अवघड आहे). त्यांच्या टोपीसारखी टोपी घालून अनुकरण करणे हा चेष्टेचा विषय होईल. जेव्हा अनुकरण या विषयासंबंधात आपण विचार करू तेव्हा खरं म्हणजे ते खरोखरच आवश्यक आहे का? हा विचार मनात येतो आणि शक्यतो अनुकरण टाळत स्वतःचे वैशिष्ट्य शाबीत करणे हेच माणसाचे उद्दिष्ट असले पाहिजे.

अनुकरण ही नक्कल असते. अनुकरण करणे म्हणजे ती गोष्ट आपल्याजवळ नाही हे कबूल करणे. अनुकरण करणे ही गोष्ट वैशिष्ट्य नसून वैगुण्य आहे हे कळले की कुणाचेही आंधळे अनुकरण करायला नको हे पटेल.

- डॉ. अरविंद नवरे

डायरेक्टर, अनुलोम टेक्नोलॉजीज प्रा. लि.

मोबाइल : ९५५२३८४९३९



## कायद्याच्या चौकटीत...

### फ्लॉटचे व्यवहार कसे होतात?

शहरात जुने वाडे असतात किंवा शहराबाहेर मोकळे फ्लॉट असतात. अशा मालमत्तेच्या मालकांशी बिल्डर विकसन करार करतात आणि ती मालमत्ता ताब्यात घेतात. तेथे इमारती बांधून त्यातील फ्लॉट ग्राहकांना विकले जातात. बऱ्याच वेळा बिल्डर स्वतःच प्रमोटर म्हणून काम पाहतो आणि फ्लॉट धारकांची सोसायटी किंवा अपार्टमेंट धारकांची असोसिएशन स्थापन करतो. नंतर जमिनीचा ताबा सोसायटी किंवा असोसिएशन यांच्याकडे सुपूर्त केला जातो.

त्यासाठी मूळ जमीन मालक, बिल्डर आणि सोसायटी (किंवा असोसिएशन) यांच्यात विपक्षीय करार केला जातो. या कराराद्वारे जमिनीचा ताबा मूळ जमीन मालकाकडून सोसायटीकडे येतो. केवळ ताबाच नव्हे तर कायदेशीर मालकी हक्क सुद्धा येतो. मालकी हक्क बदलण्याच्या या प्रक्रियेला 'कन्व्हेअन्स' म्हणतात. हे झाल्याशिवाय फ्लॉटधारक आपल्या जागेचा पूर्णांशाने मालक होऊ शकत नाही.

कारण फ्लॉट आपल्या मालकीचा, पण जमीन दुसऱ्यांणी अशी स्थिती होते. म्हणून 'कन्व्हेअन्स डीड' करणे आवश्यक असते. हा करार (डीड) रजिस्टर करावा लागतो.

या काराराच्या आधी बिल्डर जेव्हा फ्लॉट विकतो, तेव्हा बिल्डर आणि फ्लॉट घेणारा यांच्यात विक्रीचा करार होणे कायद्याने आवश्यक असते. तसेच, हाही करार नोंदवावा (रजिस्टर) लागतो. या करारात फ्लॉट संबंधीचा सर्व तपशील असतो.

फ्लॉट विकत घेताना ग्राहकाने बिल्डर आणि मूळ जमीन मालक यांच्यातील विकसन करार नीट तपासून पहावा. जमिनीची मालकी नेमकी याच मालकाकडे आहे ना आणि त्याने बिल्डरला कोणते हक्क दिले आहेत, हे पाहणे आवश्यक असते.

(क्रमशः)

- अॅड. अविनाश चाफेकर  
मोबाइल : ९८५०९३५९११



## FEEDBACK FROM OUR SATISFIED CUSTOMERS...

Sujata has done a good Job she had been helpful along the process of this agreement; I have been a returning customer many times. Thank you.

— EDWARD CASTELINO

I recently had the pleasure of using Anulom for the registration of my rent agreement, and I must say I am thoroughly impressed with their service. From the very beginning, their team was prompt, professional, and guided me through every step of the process. Especially Sujata & Pooja. They ensured that all the necessary rules and regulations were followed to make sure the agreement was legally sound and compliant.

What stood out the most was their commitment to offering the service at a nominal cost, which helped me save significantly on brokerage fees. Their transparent pricing structure was a pleasant surprise, and I felt confident knowing I was getting excellent value for my money.

I highly recommend Anulom for anyone looking for a hassle-free, efficient, and cost-effective solution for rent agreement registration.

— ABHAY SAWANT

Staff is very co-operative and services given very fast and secured.

— DEEPA SURIYAVANSHI

Thank you Anulom for making my rent agreement process smoothly and easy for me. I just had to fill some little information the Anulom Team helped me a lot for this process. Special thanks to Sujata, she has helped me for making process of rent agreement easy for me thank you so much.

Whenever I want to do the Rent Agreement, I remember Only Anulom to do it & They give me Very prompt Service. I am Proudly saying your staffs are Very efficiently Work.

— SAURABH BORDE

Thanks Once again. Particularly Sujata has given me Very Prompt Service.

— ASHOK ZANZAD

Great & Fast service by Arati Madam. Million Thanks & Heartily Appreciate to Anulom Service. I would personally recommend Anulom Service.

— RAKESH RATHOD



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Designed by Amogh Arts, Pune, for and on behalf of Anulom Technologies Pvt. Ltd;

The editor does not necessarily agree with the opinions published in the Articles in this magazine.

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