CONSOLIDATED CONSTRUCTION CONSORTIUM LTD

CCCL 2.0 CHRONICLE

ISSUE 3/2.0 FOR PRIVATE CIRCULATION ONLY 1ST JANUARY 2025

MESSAGE FROM DIRECTOR - SERVICES

Dear Consortians,

On behalf of the Management of Consolidated Construction Consortium Ltd,I take this opportunity to wish you all a Happy and Prosperous New Year 2025.

In the previous issue of CCCL 2.0 Chronicle, I had emphasized on Quality, Safety and nil rework which was followed to the maximum extent thereby minimising the cost to the company.

I also appreciate Kalidhass – Surveyor in BIM Site whose spontaneous reaction at site helped to save the life of Deepak Kumar – Electrician and also preventing him from grievous injuries.

I also request all our Consortians to share their knowledge and experience with fellow Colleagues which in turn shall help in growth of the individual as well as the Organisation.

During my interaction with Colleagues, one Engineer said that he is for challenges and shall have the pride of flying CCCL flag high. We are happy on his enthusiasm and commitment.

I presume that the present batch of Engineer Trainees are working diligently and contributing significantly in their assigned roles which will ensure their confirmation process facile and rapid career growth within the Organisation. This will also encourage the Management to revisit their College Campus for future Recruitment in the forth coming years.

In the previous quarter we have re launched our Corporate Website with the anticipation of boosting our Business prospects and perception in the Market.

We are also in the process of revamping the existing ERP with new add on features which will in turn become more user friendly and economical.

Suggestions are invited from all the stake holders about various best practises that are prevalent across the Corporate World.This can be implemented in our esteemed Organisation to become a new bench mark without compromising on our Vision and Mission.

S. Kaushik Ram
Director - Services

WISH YOU A HAPPY AND PROSPEROUS NEW YEAR 2025

INSPIRATION CORNER

Six Crazies Who Changed the World !!!

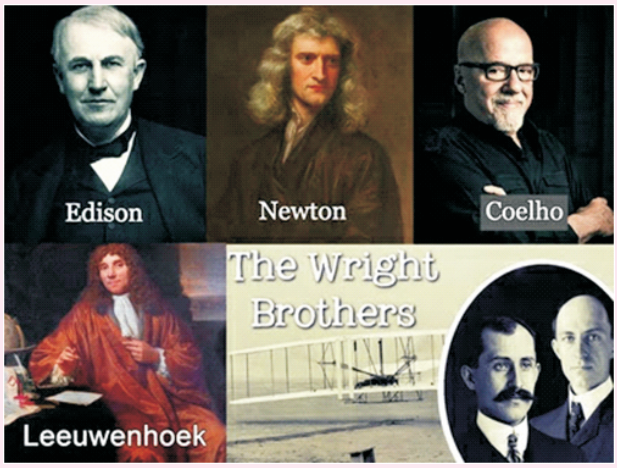
When people learned that Edison was trying to light up the world, they accused him of stupidity and asked him to stop that foolish idea.

As for Issac Newton, the discovery of gravity, people described him as ignorant and foolish. Yet to this day,his name remains prominent in the pages of history.

When Paulo Coelho disobeyed his parents wishes and became a Novelist, he was accused of stupidity and even admitted to a psychiatric clinic several times. In the end, he proved himself, becoming a famous Novelist whose works sold more than 300 million copies.

When Antonie van Leeuwenhoek invented the first microscope that enlarged objects 300 times their normal size, people mocked him and accused him of madness.

When the Wright brothers thought about inventing a flying machine



(The Airplane), people accused them of insanity. We all know that their Invention has since transformed the way people travel across the Globe.

Most successful people, inventors and scientists were accused of madness and stupidity, but they believed in their potential and abilities, changing the world for the better.

Moral : Every human being in this universe has abilities, characteristics and skills that distinguish them from others. Discover your strengths, work with all your energy to develop them, focus on your skills and improve them every day. Do not fear failure, the frightened person never tastes success.

Write your name in the pages of history. Do not be ordinary or traditional. Be distinct from others. No human being on earth has succeeded without risk, training, determination, commitment and hard work.

FROM THE ARCHIVE - From 2002 – 5th year of Operations

Sree Vidyaniketan Educational Trust

Your strong commitment for quality construction with time consciousness in the execution of the project definitely enhanced the reputation of your firm. The integrity and the honesty of your team inspired and made me to entrust several construction works relating to our Trust Institutions. You richly deserve our appreciation and compliments as you have executed all our works on time to the best of our satisfaction.

Dr.M.Mohan Babu, Chairman

Appaswamy Real Estates Limited

You have established yourself as a major contractor in building projects with innovative ideas, technical expertise and team work of well trained staff.

Ravi Appaswamy, Managing Director

NOTABLE ARCHITECTURE IN USA

The Empire State Building, New York : A Construction Marvel of its time



The Empire State Building, an enduring icon of New York City, stands as a testament to the ingenuity and determination of 20th-century construction. Completed in 1931 during the Great Depression, this Art Deco skyscraper was designed by Shreve, Lamb & Harmon and remains one of the most recognizable landmarks in the world.

The construction of the Empire State Building was a feat of engineering and efficiency. Rising to a height of 1,250 feet (381 meters) with 102 stories, it was the tallest building in the world for nearly 40 years. Remarkably, the skyscraper was completed in just 13 months, a record pace even by today's standards. This was achieved through careful planning, prefabrication of materials, and a highly skilled workforce. Steel played a central role in the structure, with over 60,000 tons used to create its robust frame. Workers installed an average of four and a half floors per week. Advanced derricks, cranes, and hoists were critical in lifting materials to the construction site at rapid speeds, ensuring the pace of work remained uninterrupted.

The building's foundation is anchored in Manhattan's bedrock, ensuring stability for its immense weight. Its exterior is clad in Indiana limestone, granite, and aluminum, chosen for their durability and aesthetic appeal. The steel frame of the building was protected by iron oxide and linseed oil paint, and then it was covered with an asphalt coat to resist it from breaking down when it was brought into contact with cement. All the steel is encased in concrete, which, of course, makes the building not only strong, but fireproof.

The Empire State Building not only set records for its height and construction speed but also established new benchmarks for project management, safety protocols, and material innovation in skyscraper development. Its construction provided jobs to thousands during the Great Depression, symbolizing hope and resilience.

NOTABLE ARCHITECTURE IN AUSTRALIA

The Sydney Opera House : A Masterpiece of Architecture and Engineering

In 1954, the New South Wales government endorsed the vision for a world-class cultural center, sparking an international design competition. Danish architect Jorn Utzon won with a groundbreaking concept, featuring two halls topped by sail-shaped interlocking panels that would serve as both roof and wall, to be made of precast concrete, that ultimately became the Sydney Opera House, a symbol of architectural brilliance.

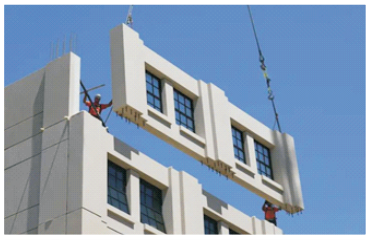
The Sydney Opera House is renowned for its distinctive sail-like shells, which give it its iconic appearance. However, realizing this design was a monumental challenge. The complex geometry of the shells pushed the boundaries of engineering at the time. After much experimentation, Utzon and a team of engineers developed a method to construct the shells using prefabricated segments, each derived from the surface of a single sphere. This breakthrough not only made the design feasible but also created a harmonious and elegant aesthetic.

One of the most impressive aspects of the construction was the use of innovative techniques and materials. The precast shells were coated with over one million white and matte cream ceramic tiles, imported from Sweden, giving the structure its shimmering appearance. The interiors feature rich timber and acoustic panels to enhance sound quality.

Since its opening in 1973, the Sydney Opera House has become a UNESCO World Heritage Site and a symbol of Australia's cultural and architectural identity. Its design has inspired architects and engineers worldwide, setting new standards for innovation in construction. The Sydney Opera House stands not only as a functional space for world-class performances but also as a monument to human ingenuity, proving that with determination and innovation, even the most ambitious designs can become reality.

LATEST TRENDS IN CIVIL ENGINEERING

Prefabricated and Modular Construction : A Game Changer in Modern Construction



The construction industry is evolving rapidly with the adoption of innovative methods to improve efficiency, reduce waste, and meet increasing demand. Among these methods, prefabricated and modular construction stand out as transformative approaches. These techniques involve off-site manufacturing and on-site assembly, significantly reducing construction time and costs while ensuring precision and sustainability.

Prefabricated construction refers to manufacturing building components such as walls, floors, or roofs in a controlled factory environment and transporting them to the site for assembly. Modular construction takes this concept further by producing entire sections or modules of a building in a factory, complete with plumbing, electrical systems, and finishes, before assembling them on-site. These methods are known for their efficiency, as they parallelize on-site preparation and off-site manufacturing. This minimizes project timelines and disruptions caused by weather or other site-specific challenges.

Advantages of Prefabricated and Modular Construction

1. **Speed and Efficiency:** By manufacturing components in a factory, construction timelines are reduced by up to 50%, as groundwork and assembly occur simultaneously.
2. **Quality Control:** Factory-controlled environments ensure higher precision and quality compared to traditional methods.
3. **Cost Savings:** Reduced labor requirements and minimized material wastage lead to significant cost savings.
4. **Sustainability:** Modular construction supports sustainability through material efficiency, reduced emissions from transportation, and adaptability for reuse or recycling.

One prominent example of prefabricated and modular construction in India is the Indian Institute of Technology (IIT) Gandhinagar's campus. The project used modular construction techniques to build academic and residential spaces quickly and efficiently. Post the disaster of the 2001 Gujarat earthquake, prefabricated homes were constructed in Gujarat to provide rapid shelter solutions.

IIT Gandhinagar Campus

Pre Engineered School Building at Greater Noida

WELLNESS CORNER

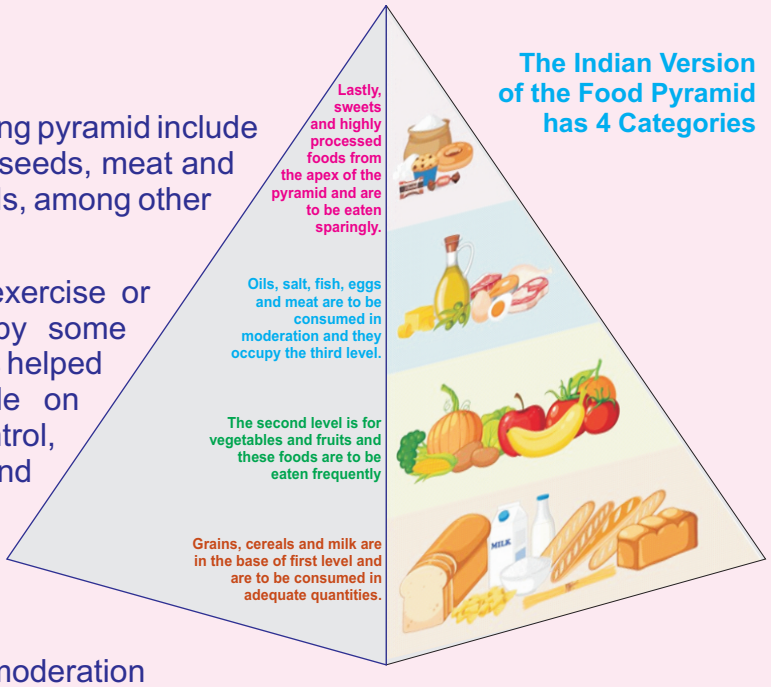
The Indian Food Pyramid : Guiding people to eat Healthy.

We are what we eat, they say. Indeed, what we put inside our bodies determines our health. To that end, the food pyramid has served as a guide to balanced eating for years. A food pyramid is a visual representation of the optimal servings of food that one should consume from each food group. This information is arranged in the form of a pyramid which is how the method derives its name.

The origin of the food pyramid could be traced back to the 1970s when it first evolved in Sweden. In 1992, the US Department of Agriculture also adopted it with minor tweaks. Since then, many countries have adopted various versions of the food pyramid to guide their citizens in adopting healthy diets.

What's in a food pyramid?

The food groups that comprise a healthy eating pyramid include whole grains, dairy, supplements, nuts and seeds, meat and poultry, vegetables and fruits, and healthy oils, among other categories.



There are additional sections related to exercise or alcohol consumption that are included by some countries in their food pyramids. The tool has helped countries across the world guide people on various aspects of health like weight control, multivitamin supplements, exercising, and deficiency of nutrients like Vitamin D.

According to the pyramid, one should consider whole grains as the primary dietary source, followed by fruits and vegetables. The pyramid guide suggests moderation while consuming meat, fish, poultry, milk, and their alternatives while reducing fats, oil, salt, and sugar intake. The guide also suggests that people prefer cooking techniques that require less oil or opt for low-fat recipes. People can also choose to steam, stew, simmer, boil, or even cook with non-stick cookware to reduce their oil consumption.

Why do we need a food pyramid?

One of the reasons why the food pyramid became a popular tool among healthcare educators and medical experts was because it helped people consume the right foods. As different foods have different nutrients, it might not be possible to derive all required nutrients from a single source.

The diet suggested by the pyramid requires people to eat foods from all groups so that they meet their body's daily nutritional requirements.

The second reason is that it advises people about the right quantities of different foods to be consumed. Both eating too much or too less can lead to adverse health outcomes. A dedicated guide like a food pyramid can help us ensure that we are consuming the right foods in ample quantities.

Conclusion

Nevertheless, the food pyramid can be a good starting point for anyone who's looking to lead a fitter lifestyle. All of us need a specific quantity of nutrients every day to maintain good health. The over consumption or under consumption of any of these nutrients will only hamper our health.

Therefore, the food pyramid can serve as a handy tool for knowledge about how a healthy diet should be planned.

POSITIVE QUOTES TO REMEMBER

"Whatever happened, happened for the good. Whatever is happening, is happening for the good. Whatever will happen, will also happen for the good "
– Bhagavat Gita

"Do not dwell in the past, do not dream of the future, concentrate the mind on the present moment "
– Gautama Buddha

" Life is a journey, not a destination. Enjoy the ride "
– Swami Vivekananda

" A man is but a product of his thoughts. What he thinks he becomes"
– Mahatma Gandhi

"Faith is the bird that feels the light when the dawn is still dark"
– Rabindranath Tagore

"Greatness is achieved not by the absence of difficulties but by the courage to conquer them "
- Sardar Vallabhbhai Patel

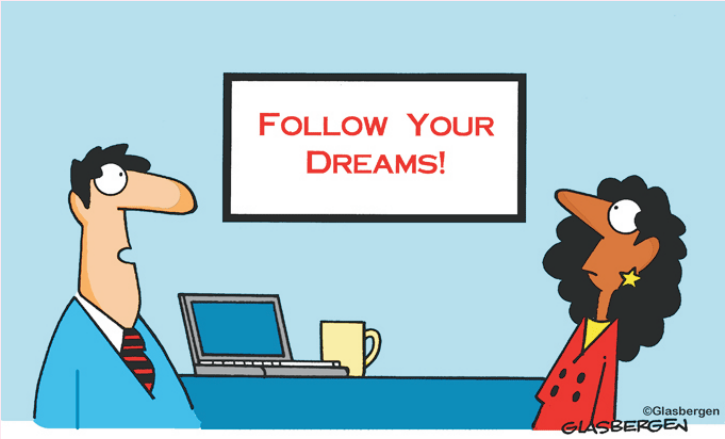
" Life is an opportunity, benefit from it. Life is beauty, admire it. Life is a dream, realise it "
– Mother Teresa

"Failure will never overtake me if my determination to succeed is strong enough "
– APJ Adbul Kalam

" When you start with a dream and work with passion, success is inevitable "
– Ratan Tata

HUMOUR CORNER

"I already diagnosed myself on the Internet. I'm only here for a second opinion."



"It's supposed to inspire, but most employees see it as permission to take a nap."

PUZZLE CORNER

If 1 1 1 1 = R
2 2 2 2 = T
3 3 3 3 = E
4 4 4 4 = N
Then 5 5 5 5 = ?

You can send your entries to sraj@ccclindia.com mentioning your name and Employee code on or before 31st January 2025.In case more than one correct entries are received the lucky winner will be decided by a draw.

PUZZLE CORNER *(contd.)*

Solution to the puzzle published in CCCL 2.0 Chronicle 1st October 2024 issue.

Answer : 6
9 + 3 = 12/2 = 6

The following have mailed the correct answers :

- S.Malathi and M.Sivakumar from Head Office.
- Ranjith kumar B, Arumugam B M, Ashok Rajan M, Parimelazhagan, S R Kanna, V.Kanniyappan, S.Dhayananthan, Sri Vishnu J and Harish R from Vadapalani Office.
- Dinesh Allam, S.Vinoth, V.Thirumurugan, A.Selvakumar, S.Sathish Kumar, Ganesh K P and R.Murugan from XIM University, Bhubaneswar.
- Ganesh M, V.Aakash and John Bright E from Bangalore Office.
- G.Mariappan, Vasantha Kumar and Uma Mageshwaran from Kitex Apparel,Hyderabad.
- C K Saravanan and Jayakumaran R from Aqua Vista,Bangalore.
- Arun Kumar Gupta from Loyola School,Bhubaneswar.

Lucky winner from a draw is
Arumugam B M, of HRD
and a surprise gift is being sent to him.

Congratulations to all the WINNERS !!!

CCCL Congratulates

Baranidharan & Sneha S
On their Marriage on 16th Sep 2024

Shyam Sundar P & Vidhyalakshmi N
On their Marriage on 21st Oct 2024

Suresh S & Subashini S
On their Marriage on 7th Nov 24

Murali A & Devagi K
On their Marriage on 14th Nov 24

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