

Drycotec Diaries





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Helping you make
better dry mortars.

STARCH ETHERS FOR DRY MORTARS

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Sustainable & Responsible Innovation



seed potato for starch ethers

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SKIM COAT

TILE ADHESIVE

RENDER

PUTTY

JOINT FILLER

SPRAY MORTARS

Applications : Cement

Skim Coat & Putty
Tile Adhesive
Manual Renders
Spray Renders
Repair Mortar
Self Levelling Mortar

Benefits : Cement

Workability
Anti slip / Anti-Sag
Thickening
Open time
Adjustment time
Reduce chalking
Cost reduction
Bounce back reduction

Applications : Gypsum

Manual Plaster
Finishing plaster
Spray plaster
Joint filler
EIFS
Spot Glue


Benefits : Gypsum

Anti-sag
Thickening
Workability
Working time
Smoothness
Surface hardness
Reduce chalking
Time saving



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* Benefits are also dependent on quality of ingredients, formulation and optimisation of blend.

Did you know that some simple English sentences have a legal meaning. They can send a message. The legal frame work accepts and understands their meaning. Our readers should know them.

Assets Disproportionate of Income

Assets disproportionate of income is a term that refers to a situation where a person's net economic assets are significantly higher than what they should have based on their previous assets and legal sources of income. It is often used as an indicator of corruption or illegal activities. The Prevention of Corruption Act, 1988 in India defines and penalizes the possession of disproportionate assets. There have been several cases of disproportionate assets involving politicians and bureaucrats in India, some of which are currently under investigation or trial by the courts. If you see an employee having an expensive diamond ring which shines too bright or with the latest iphone which is 4 times salary, it means that that person is either corrupt or is having another source of income.

Reason to Believe

The legal term "reasons to believe" is a phrase that refers to the grounds or evidence that justify a certain action or conclusion by a legal authority. For example, an officer may have reasons to believe that a person is involved in a crime based on the information they have gathered from witnesses, documents, or other sources. The phrase is often used as a standard of proof or a threshold for initiating legal proceedings, such as searches, arrests, investigations, or assessments. The phrase is similar to but not the same as "probable cause", which is a higher standard of proof that requires more than a mere suspicion or hunch.

Intension to Deceive

The legal term "intention to deceive" is a phrase that refers to the state of mind or motive of a person who deliberately misrepresents or conceals the truth in order to gain an advantage or harm another party. It is an essential element of fraud, which is a civil or criminal wrong that involves deception for personal or financial gain. To prove fraud, the plaintiff or prosecutor must show that the defendant made a false statement or omission of material fact, with the intention to deceive, and that the plaintiff or victim relied on the statement or omission and suffered damages as a result.

Caveat Emptor

Caveat emptor is a legal term that means "let the buyer beware". It is a principle that places the responsibility of checking the quality and suitability of a product or service on the buyer, rather than the seller. It warns the buyer to be careful and diligent before making a purchase, as they may not be able to claim damages or compensation if the product or service turns out to be defective or unsatisfactory. Caveat emptor is often used in transactions involving real estate, used goods, or goods sold without a warranty. If you have sold a T1 Tile Adhesive, the buyer cannot complaint if his wall vetrified large tile came loose.

All is well & keep reading Drycotec Diaries.

ABOUT NEPTUNE

NEPTUNE is fastest growing group of industries having diversified Business segment for Project Engineering , Innovative Building Materials, Start-up Technology for Valuable waste & recycling and Infrastructure & Industries.

NEPTUNE is Pioneer engineering company providing equipment Turn-key Project & Project Engineering Services for Ceramics, Construction, Power, Steel & Recycling Industries.

NEPTUNE Offers complete Plant, Equipment, Special Purpose Machine(SPM) Development for various ceramic industry segments like Sanitary Wares, Electro Porcelain Insulators, Refractory, Table wares, Technical ceramics, Tiles & Heavy clay.

NEPTUNE offers Turn-key Projects for Building material & construction industry segments like fly ash bricks, concrete blocks, pavers, tiles & Aerated autoclave blocks (AAC Blocks / Panels), Light Weight Aggregate (LWA / LDA), Thin Bed Mortar/Binder/Adhesive/Grouts, Green Sand/MSand/Artificial Sand.

Neptune's NC-Intensive Mixers (Counter Current) are state of the art and most advanced Mixing Technology used in Dry Mix Mortar & Wall Putty Production

Neptune NC-Intensive Mixers are Counter Current Technology. Agitator and Pan both rotating in Counter direction helps in rapid, homogeneous and consistence mixing and it helps in minimizing quantity of additives used in formulation.

Neptune has in house Design, Manufacturing, Quality Testing Facilities and Buyer can witness live trail run test (ITR) ensuring performance of mixer before dispatch

Neptune Started Manufacturing NC-Intensive Mixer in 2014 and 50+ NC-Intensive Mixers running Successfully worldwide specially in India, USA, Mexico & Middle East Countries etc.



Mr. Sanjay Nikam
Director - Sales & Marketing



Mr. Soham Panchal
Director - Operations

ABOUT NEPTUNE PROTECH

Neptune Protech LLP. is a Sister Concern Company of Neptune industries
Neptune Protech LLP, Provides " ONE STOP SOLUTION " for Dry Mix Technology for Products like dry mix mortar, Grouts, Thin Bad Mortar, Tile Adhesive, Wall Putty, Black Box, etc.

Mr. Sanjay Nikam & Mr. Soham Panchal are Two Directors of Neptune Protech LLP.



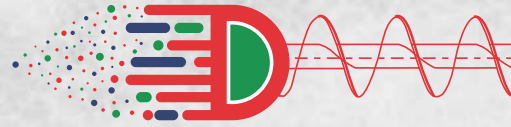
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18-20 October 2023
Bombay Exhibition Centre, Mumbai



DRYCOTEC

DRYCOTEC DRYMORTAR ASSOCIATION

Presents

BLAST-2-PLAST

DATE: 20 October 2023 | **TIME:** 09.00 to 14.00
VENUE: Bombay Exhibition Centre, Goregaon (E), Mumbai

It all begins with a Blast which leads to boulders that are crushed to produce sand. Sand is a high volume filler material in Plasters & multiple drymortar products.

Drycotec Drymortar Association invites you to a conference that includes the entire supply chain which is from Blast -2- Plast. Our event will have the following schedule

TIME SCHEDULE	ACTION DESCRIPTION	REPRESENTED BY
09.00 – 10.00	Registration & Networking	All
10.00 – 10.15	Welcome Note	Rajneesh Khattar
10.15 – 10.30	Introduction of Concept	Mandar Chitre
10.30 – 11.15	Challenges of Quarrying - Drilling, Blasting & Sizing: A Panel Discussion	Panellist
11.15 – 11.30	Sponsor Presentation	Sponsor
11.30 – 12.15	Consistency of Sand - Quality & Quantity: A Panel Discussion	Panellist
12.15 – 12.30	Sponsor Presentation	Sponsor
12.30 – 13.15	Quality of Mortars from M-Sand	Panellist
13.15 – 13.30	Sponsor Presentation	Sponsor
13.30 – 14.30	Networking Lunch for Speakers & Delegates	All

SPONSORSHIP FEES
RS.75,000/- + GST

This Fee includes at 15 minute Presentation Slot, 1 standee, logo on all collaterals & distribution of your brochure to all.

DELEGATE FEES
RS.2,000/- + GST

This Delegate fee includes entry to this conference & lunch with the speakers at the exclusive lunch area.

FOR FURTHER INFORMATION PLEASE CONTACT:
mandar.chitre@batonconsultants.com




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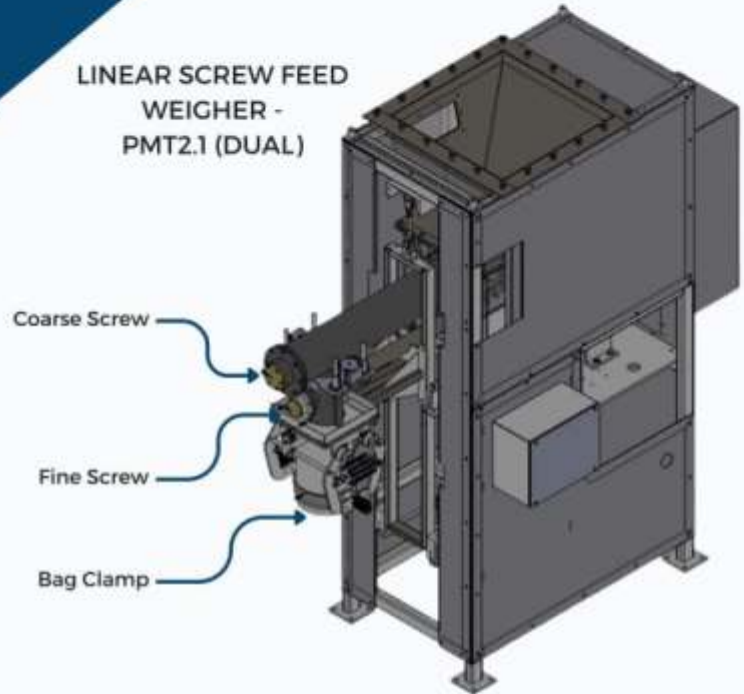


IDEAL SOLUTION FOR PRODUCT LIKE PUTTY

SUCCESSFULLY
INSTALLED AT



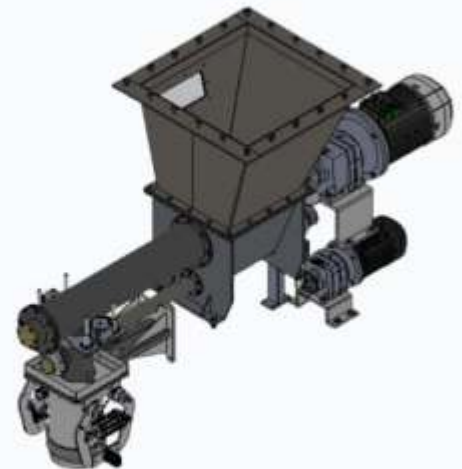
LINEAR SCREW FEED
WEIGHER -
PMT2.1 (DUAL)



FEATURES

- ACCURACY OF MIN. +/- 20 GRAMS
- PACKAGING RANGE 10 TO 50KG
- Variable speed drive for fast packing
- Coarse screw for maximum filling, fine screw to achieve accuracy
- Specially designed for all type of powder materials
- The screw packer is the perfect solution for wall putty packing as it prevents the mixing of air while packaging, ensuring that the product doesn't create fluffiness. Its precise as no air is used hence result in controlled packing process guarantees with minimal wastage and maximum accuracy.

SCREW FEEDER ASSEMBLY



APPLICATION

Building Material: - Cement, Bentonite, Iron Powder, Paints, Wall Putty, Chemicals, etc.

Food Material: - All kinds of Flour and powder material.



Contact Us:
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Dr S B Hegde can be introduced as Professor, Ex President - Manufacturing (Cement Industry), Global Consultant / Advisor, Domain Expert in Cement in International Bodies and Recipient of the prestigious "Global Visionary Award" (2020). He is a Seasoned, Global and Accomplished Cement Industry Professional, 3 decades of experience with demonstrated history of working both in and outside India.

The Indian Carbon Market

Is it not the Appropriate Time to begin Full- Fledged 'Carbon Market' in India. We are one of the world's largest emitters of greenhouse gases & could benefit from the establishment of carbon markets. Carbon markets operate on the principle of emissions trading, where companies are assigned a certain amount of emissions allowances. If a company emits less than its allocated allowances, it can sell the surplus to other companies that exceed their allowances. This system creates economic incentives for companies to reduce their emissions & generate revenue by selling their excess allowances.

Here are a few reasons why carbon markets should be considered in India:

1. Encouraging emission reductions:

By implementing carbon markets, India can create financial incentives for companies to invest in clean technologies, energy efficiency, and other measures that reduce their carbon footprint. This can accelerate the transition to a low-carbon economy and promote sustainable development.

2. Attracting investments:

Carbon markets can attract international investments in renewable energy projects and emission reduction initiatives. India has vast potential for renewable energy generation, and carbon markets can provide additional financial support for these projects.

3. Fostering innovation:

Carbon markets can stimulate innovation by rewarding companies that develop and implement low-carbon technologies and practices. This can accelerate the growth of a green economy, create new jobs, and enhance India's competitiveness in clean technology industries.

4. Meeting international commitments:

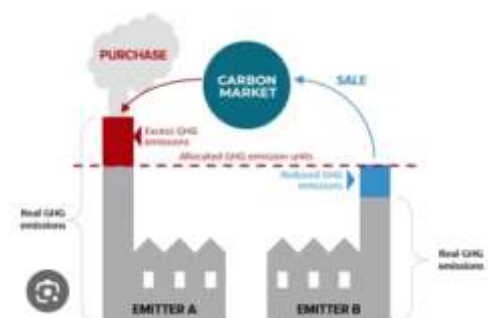
India has committed to reducing its emissions under the Paris Agreement. Implementing carbon markets can assist in meeting these targets and demonstrate India's commitment to global climate action. It can also enhance India's standing in international climate negotiations.

5. Addressing regional disparities :

India's carbon markets can potentially allocate emission allowances based on regional considerations, taking into account the development needs and challenges of different states and industries. This approach can help address regional disparities and ensure a fair distribution of emissions reduction efforts.

However, it is important to note that the successful implementation of carbon markets requires robust monitoring, reporting, & verification mechanisms to ensure the integrity & transparency of the system.

By incorporating these markets into its climate policy framework, India can accelerate its transition to a sustainable and low-carbon future.



Guidelines to select a right partner for building your Dry Mix Mortar Plant

■ Prologue:

Recent study indicates many individuals / companies are trying to enter the Lucrative Dry Mix Mortar / Construction Chemical products Business. In addition, the companies who are traditionally doing this business since many years are now expanding their business to cater the future needs with latest technology. According to a newly published report by Persistence Market Research (PMR), the Indian Construction Chemicals Market value is estimated approx., INR 14000 Crore in 2023. The market for construction chemicals in India is projected to exhibit a promising CAGR of more than 10.4% for next 10 Years.

■ Challenge:

How to select a right partner while Setting up Drymix Mortar Plant.

■ Understanding the challenge:

When anyone invest his money in setting up Dry mix mortar plant, naturally he will expect a reasonable return of investment as per the industry norms. He is investing his valuable money, time, energy, other resources & ultimately his future with that plant. Right vendor selection will help to lift your business to the leading position in market or (the money invested become dead) you will become the history in the market. During Dry Mix Mortar plant procurement, people always try to search for equipment & not the solution to their need / requirement / problems. Many time they are not fully aware about the process & their plant need. Effective Dry Mix Mortar Plant is always a customise solution crafted by his vendor / plant builder to fulfil the project requirement. The vendor who builds a plant for customer considering his futuristic need is treated



Prashant Kanikdale

Director
Readymix Construction Machinery
Private Limited

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Competencies required within the Vendor

- 1) Background of Vendor & their Success Stories in Drymix Mortar Plant business.
- 2) Vendor's Purpose & Core Value system.
- 3) Strong Positive Recommendations of Vendor from market.
- 4) Vendor's infrastructure, Manpower / Team & installed plant before placing the order.
- 5) Vendor should take efforts to understand your today's need & tomorrows market expectations & having better understanding of this business.
- 6) Vendor should understand your final product, your approach of business, your target position in the market.
- 7) Vendor should focus on giving complete Solution & not on equipment.
- 8) Vendor experience should Contribute to adding the value to your product/project, he must customise our plant to fulfil all your need.
- 9) Vendor should be willing to visit your site to understand the ground zero requirement.
- 10) Vendor should be capable to design versatile plant with latest technology & have flexibility for changing the finish product production.
- 11) Profitability only comes with productivity, Vendor should able to design plant for optimum productivity, means high return on investment.
- 12) Vendor should be able to design operator Friendly, safe & environment friendly.
- 13) Good Infrastructure for timely delivery & better Quality.
- 14) Pre & Post Sales Service, Warranty & post warranty service system.
- 15) Vendor should have a team for smooth project execution.
- 16) Vendor should take a responsibility for Supervision of Erection, Commissioning & Training of Operation & Maintenance of Plant.
- 17) Vendor should pave a path for opening opportunities for toll manufacturing where ever possible.
- 18) Vendor should have an option of Annual Maintenance Contract.
- 19) Vendor should be able to justify about the technological solution available & impact of the same on CAPEX & OPEX of the plant / project.
- 20) Vendor project solution price should be value for money.

The vendor who will full fill above major requirements can be considered as the real partners.

Important Features of Efficient Drymix Mortar Production Plant

- 1) Mixer capacity selection considering present market requirement & future expected demand.
- 2) Compact & If required future expandable plant layout design.
- 3) Reasonable mixing technology suitable for wide range of products & future needs.
- 4) High raw material weighing accuracy.
- 5) Latest & upgradable technology in control system suited to customer need.
- 6) Various sizes of packing freedom as per market demand.
- 7) Mix design (Recipe) support where ever required by customer.
- 8) Low power consumption to keep low running cost.
- 9) Economical & simple solution for raw material transfer to silos.
- 10) Plant design considering required safety parameters & less dusty environment.
- 11) Erection / installation & commissioning, operational training, spare parts & life time service support.

For more details feel free to contact us



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Right Bhusari Colony, Kothrud, Pune - 411038. INDIA

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My Product Diaries : What are Supplementary Cementitious Materials



Sanjay Chitnis, Sr. Vice President (Technical Services), JK Lakshmi cement Ltd. has almost four decades of experience in the field of cement. He is an engineer from the COEP college in Pune, has done his MDI program from Indian Institute of Management, Calcutta, Indian Institute of Management, Lucknow & Indian Institute of Management Ahmedabad. He has also done his MBA from Annamalai University. Mr. Chitnis is very punctual, down to earth, smart with Sound civil engineering knowledge coupled with administration & managerial capabilities. He loves writing short articles on Sundays on LinkedIn. We have taken one such very interesting article from him for the benefit of our readers.

In this article, we will try to understand more about Supplementary cementitious materials which help us to manufacture low carbon mortar. This in turn help us to become a partner in India's goal of Sustainable Development.

Supplementary cementitious materials (SCM) include fly ash, ground granulated blast furnace slag (GGBS), limestone, silica fume, natural pozzolana , natural calcined pozzolana rice husk ash and metakaolin. Out of which, Fly ash and GGBS are the most used.

SCMs are used in conjunction with Portland cement in concrete mixtures to improve the workability of fresh concrete and reduce thermal cracking in massive structures by reducing heat of hydration. Their use in cement mortar & concrete helps us to reduce permeability & increase strength of mortar. They contribute to the properties of hardened concrete through hydraulic and/or pozzolanic activity.

What is FLY ASH ? - Commercially available fly ash is a finely divided residue that results from the combustion of pulverized coal and waste material of Thermal power plants.

What is GGBS ? - Ground granulated blast-furnace slag, is a glassy, granular material formed when molten, iron blast-furnace slag is rapidly chilled - typically by water sprays or immersion in water - and subsequently ground to cement fineness & waste from Steel plant.

What is Microsilica ? - It is a finely divided residue resulting from the production of elemental silicon or ferro-silicon alloys . At a temperature of approximately 2000°C the reduction of high-purity quartz to silicon produces silicon dioxide vapor, which oxidizes and condenses at low temperatures to produce silica fume. The silica minerals when pure are colourless and transparent and have a vitreous lustre. Microsilica in concrete improves its strength and durability as it provides more uniform distribution and a greater volume of hydration products, and decreases the average size of pores in the cement paste. Silica fume particles are spherically shaped and very fine, having a mean size of 0.1–0.3 μm

What is Metakaolin ? - It is a dehydroxylated form of the clay mineral kaolinite. Metakaolin has a smaller particle size and higher surface area compared with portland cement, but a larger particle size than Silica fume. The average particle size of metakaolin is 1.5 μm .



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SCAN FOR ENQUIRY



Drycotec Diaries interviews **Sandeep Dhali** who is a Business Head of Kleenair Systems, Pune. Mr. Dhali is a mechanical engineer with 3 decades of experience in leadership positions.

Drycotec Diaries : Tell us about your organization ?

Sandeep Dhali : Kleenair Systems Pvt. Ltd. is a 36 yrs old company, having 4 verticals as follows:

1. Industrial AIR POLLUTION CONTROL SYSTEMS (High Temperature Filtrations-steel industry, Fume Extraction Systems , Boiler Bag Houses, SOX , NOX control Systems, Dust Collection Systems, etc.). We have experience in design & supply of Pulse jet bag-houses up-to 15 L CUM/ Hr of air-flow & with assured emission levels.
2. POWDER HANDLING/PROCESSING SYSTEMS (Dense & Lean Phase Conveying, Storage, Weighing & Batching, unique pneumatic blending system & twin shaft mixers (Forsberg design) with Pilot plant for the pneumatic conveying/ blending. We have supplied more 500 pneumatic handling systems, Putty & Dry mix plants across various industries.
3. Special systems for the solvent oil extraction plant – like bleach earth handling, storing & feeding. We supply(exports) CE marking products to Europe, for the same, through Desmet Ballestra and have exported to 24 countries.
4. DRY FGD systems for Power plants(3MW -1300MW) - We are the Technology partners of “Solvay Chemicals USA” for the Asian Continent, for the same.

Drycotec Diaries : What makes Kleenair unique over other manufacturers of Drymortar Plant ?

Sandeep Dhali : Kleenair is having both pneumatic and twin shaft mixers for the dry mix mortar/ putty plants. This unique pneumatic blender is having capacity from 5tph up to 50tph. The manufacturers can bring in their ingredients and take the trials in our pilot plant. After that they can take their product for the laboratory test. Based on the test results they can order their putty/ dry mix mortar plant with pneumatic blender as an independent systems or in a combination with the twin shaft mixer.

Drycotec Diaries : What according to you should the buyer consider before purchasing a Drymortar Plant ?

Sandeep Dhali : Any buyer should consider the following aspects before ordering the plant:



Drycotec Diaries : : Your advice to our readers and professionals ?

Sandeep Dhali : Looking into the vast market potential and the futuristic usage of dry mix mortar/ putty plants – it is always better to have their products tested in the pilot plant and verify the results, before going into capital investment. Also, it should be easily scalable & near to the consumer markets.

Mr Dhali can be contacted on sandeep.dhali@kleenairsystems.net



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My Environment Diaries : VARIOUS PRODUCTS FROM BAGASSE by Dr S B Hegde

Bagasse is the fibrous residue left after sugarcane stalks are crushed to extract juice in sugar mills. In the Indian context, bagasse is an abundant agricultural by-product with potential for various construction-related products. Some of the construction products that can be prepared from bagasse in India include:

1. Bagasse Particleboard: Bagasse can be processed into particleboards by combining it with a resin binder and pressing the mixture into boards. These particleboards can be used for interior applications like wall panels, partitions, and furniture.

2. Bagasse Roofing Sheets: Bagasse can be transformed into roofing sheets by compressing and shaping it into corrugated or flat panels. These sheets can provide a cost-effective and eco-friendly alternative for roofing purposes.

3. Bagasse Insulation Materials: Bagasse can be processed into insulation materials, either in the form of loose-fill insulation or rigid boards. These materials can enhance thermal and acoustic properties in buildings.

4. Bagasse-Based Biodegradable Plates and Cutlery: In addition to construction, bagasse can also be used to manufacture biodegradable plates, bowls, and cutlery, reducing the environmental impact of single-use plastic.

5. Bagasse-Based Wall Panels: Bagasse can be processed and molded into decorative wall panels, providing an eco-friendly option for interior wall finishes.

6. Bagasse Ceiling Tiles: Bagasse can be used to manufacture lightweight and acoustically efficient ceiling tiles, which are suitable for sound absorption in various indoor spaces.

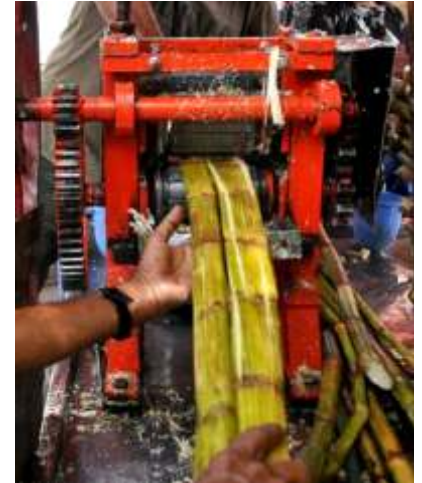
7. Bagasse-Based Molded Products: Bagasse can be molded into various shapes and forms, such as bricks, blocks, and decorative elements, to be used in construction and landscaping.

8. Bagasse Fiber-Reinforced Composites: Bagasse fibers can be incorporated into polymer composites to enhance their mechanical properties. These composites can be used for applications like door frames, window frames, and furniture.

9. Bagasse Concrete Additives: Bagasse fibers can be added as reinforcement in concrete mixes to improve its strength and crack resistance, especially in low-cost housing projects.

10. Bagasse-Based Biofuel for Heat and Energy Generation: While not directly a construction product, bagasse is commonly used as a renewable source of biofuel in boilers to generate heat and electricity in sugar mills and other industries. This contributes to sustainable energy solutions in the construction sector.

It is important to note that the production of construction products from bagasse may require additional processing and treatment to enhance its mechanical properties and durability. Additionally, sustainable practices and certifications should be considered to ensure the overall environmental impact of these products remains positive.





Haver Air type Dosing system for Dry mix mortar Product

An ideal field of application for our air entrainment systems is the packaging of material mixtures with fine and coarse parts. The pressure chamber aeration concept provides optimum product flow with minimal air consumption. Aeration rates depend on the product characteristics and are individually adjustable.



Advantages:

- Gentle product handling
- Material components do not become separated during the packing process
- High weight precision
- Fully aerated pressure chamber
- Homogeneous product/air mixture
- Dust minimization n Automatic cleaning program
- Trouble-free filling of paper, PE and PP valve-bags
- Operator friendly design
- Entire system requires minimal maintenance

For more information Contact : c.gundigara@haveribauindia.com



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- Adjustable water flow to suit requirements
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My Interview Diaries : “BLAST TO PLAST” Attention Quarry Owners – Supriyo Sarkar



Drycotec Diaries speaks to **Supriyo Sarkar, Segment Head of Mahadhan Agritech Limited**, a group company of Deepak Fertilizers. This company offers solutions in blasting in quarry business. They are equipped with the latest tools and technology which enable them to get the right blast.

Drycotec Diaries : What is this concept of “BLAST TO PLAST” & what is its relevance in the Drymortar industry ?

Mr. Sarkar : It all begins from the Blast. For Basalt or Limestone or Silica or Granite, you need less than 2 mm for plastering and less than 600 Microns for adhesive products. However these minerals do not come ready to use. They are part of mother earth and have to be excavated effectively and efficiently. The process is as below,



It is all about getting the process right. A correct blast leads to well fragmented output, which is the input to the crusher. The crusher product is dependant on the quality of the input. To get the right gradation at an optimal price, it is very important for the “PLAST” that the “BLAST” is perfect.

What happens when the Blasting goes wrong. You need to exert more energy in secondary blasting or lose material due to intense powdering. These lead to higher cost and a poorer gradation of feed to the crusher. Increase of energy in crusher will happen and the electricity bill rises. The cost of fine sand which has to be delivered by the quarry owner or crusher owner increases and their own margins get cramped.

We offer a solution to get your blast correct, thus getting the right input to the crusher and saving energy in the entire process with production of extra material which meets the gradation criteria of IS1477, IS383 Zone IV or

Drycotec Diaries : Tell us about your organisation ?

Mr. Sarkar : We are one of the leading manufacturers of Technical Ammonium Nitrate in the world and the only producer of explosive grade Low Density Porous Prilled Ammonium Nitrate (LDAN) in India. We are the only company to adopt the four eminent Technical Ammonium Nitrate manufacturing know-how and technologies in the world, guaranteeing consistent quality, thermally stabilized and free flowing products. We manufacture different types of Technical Ammonium Nitrate products with different technology to suit requirement for our customers, delivering specific solutions for their applications. Our state-of-the-art manufacturing units are strategically located at the Eastern and Western coasts of India to efficiently cater to the domestic as well as international markets.

Drycotec Diaries : Your message to Quarry Owners ?

Mr. Sarkar : Do not accept an inefficient Blast which is killing your profits & causing more stress to your crushing & screening system. Talk to us, we can assist you delivery clean, accurate sand and increase your profits. You can write to us on supriyo.sarkar@dfpcl.com

Who are we?

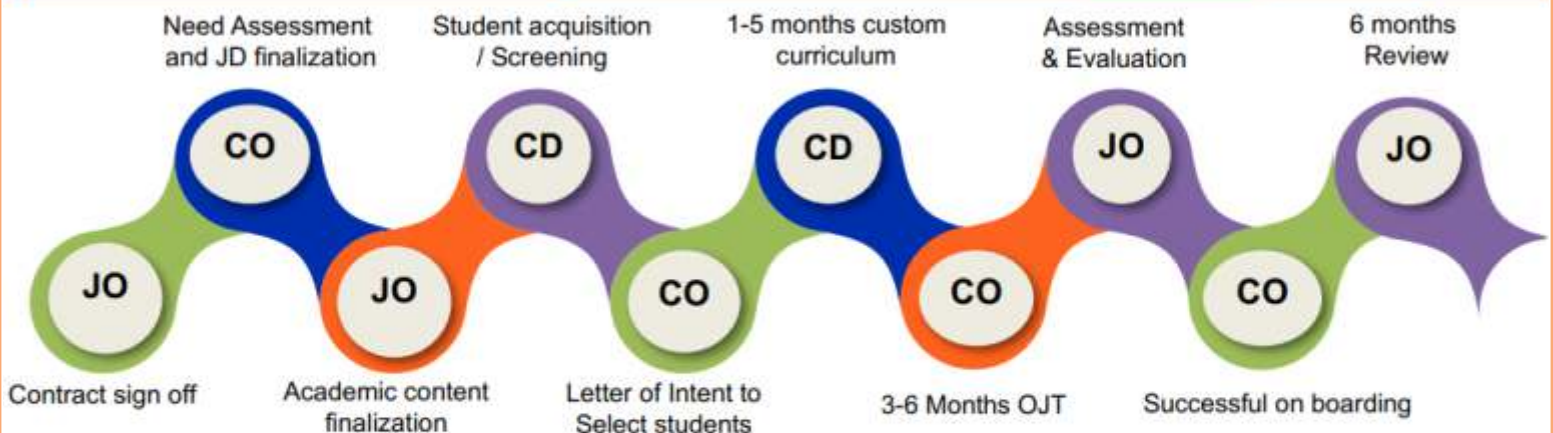
We are a disruptive EdTech offering both B2B & B2C solutions, solving challenges of students, universities, colleges and corporates. With students served from 100% States and UT's of India and over 100K admissions from 1500 Cities, Towns and Villages, We truly believe we are democratizing higher education in India



Our Offering

Hire Train Deploy (HTD-Model)

10



Fr More Information on the "HIRE - TRAIN - DEPLOY" Model, please contact - mandar.chitre@batonconsultants.com



Drymix Mortar Plant DMM 5/10/15/20/25/30 TPH

A dry mortar plant basically consists of a drying systems, loading system, conveying & weighing system, highly accurate weighing system to mix sand, cement and additives in required proportion where it finally gets the exact composition of the required mortar. Once it is prepared, dry mortar is available for bagging & ready to be transported to market. Apollo manufactures 5 TPH, 10 TPH, 15 TPH, 20 TPH, 25 TPH, & 30 TPH capacity plants.

Standard Supply

- Single bin Feeding Hopper 3 CM with conveyor
- Screen
- Bucket Elevator
- Storage Silo for Sand with Accessories-1 No.
- Screw Conveyor for sand
- Storage Silo for Cement with Accessories-1 No.
- Screw Conveyor for cement
- Weigh Hopper for Sand
- Weigh Hopper for Cement/Flyash
- Plough Shear Mixer with Structure
- Control Panel PLC, SCADA, Computer and printer with Cabin

On Request

- Dryer with dust extracting system – According to Plant capacity
- Storage Silo for Flyash with Accessories– 1Nos.
- Screw Conveyor for Flyash
- Stationary Bag Packer Machine
- Storage Hopper for dry mixed Mortar
- Chopper in Plough shear Mixer
- Pneumatic Sampling unit in Plough shear Mixer
- Lobe compressor
- Gyro Screen



Kant Panel Moots Rehab Package by States for Stalled Housing Projects

Committee says IBC must be used as “measure of last resort” for resolution of real estate cases

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New Delhi: A high-level panel chaired by India's G20 sherpa Amitabh Kant has said Insolvency & Bankruptcy Code (IBC) should be used as a “measure of last resort” for the resolution of real estate cases. Instead, it has suggested, a rehabilitation package from state governments including a “zero period” for payment of dues among a slew of steps to provide relief to home buyers stuck with stalled projects should be considered first.

The 14-member panel also pitched for a subsidised interest rate scheme and a guarantee fund to encourage financial institutions to fund the many stalled projects.

The panel mooted financing for the completion of stalled projects to be treated as ‘priority financing’ as per the report seen by ET.

In its several recommendations categorised under seven separate heads, the panel also recommended banks and financial institutions be permitted to finance fresh housing loans for new buyers purchasing unsold inventory in such stalled

Housing Resolution

G20 sherpa Amitabh Kant-led panel on stalled housing projects submits report

Over 4.12 lakh dwelling units impacted by stalled projects

PANEL SUGGESTS SEVEN SET OF MEASURES TO RESOLVE THE LEGACY STALLED PROJECTS

- Panel's prescription**
- Changes to IBC:** financing relief through subsidised interest rate and guarantee fund
- Mandatory registration of projects with RERA**
- Execution of registration deeds of all occupied units**
- Possession of all substantially completed projects**
- Framework for RERA and administrator led revival of projects**

AMITABH KANT, G20 SHERPA

projects. This would ensure the flow of funds to stalled projects from the inventory of unsold flats.

The report has been submitted to the ministry of housing and urban affairs (MoHUA) that set up the committee to suggest measures for the rehabilitation

of legacy stalled real estate projects.

The report noted that the primary reason for stress in the real estate sector was the lack of financial viability of projects.

Accordingly, it suggested that all stakeholders including developers, financiers, and land authorities will need to take hair-

cuts to make projects financially viable.

The MoHUA will prepare a detailed scheme based on the recommendations for the finance ministry's consideration, the report notes.

It suggested sweeping changes to IBC including permitting resolution professionals to transfer ownership of apartments to buyers during resolution process and allowing registration of apartments where possession had been granted.

The report suggests that the Real Estate Regulatory Authority (RERA) be allowed to bypass builders in stressed projects and collect payments from buyers directly that can then be paid off as per the ‘waterfall mechanism’ prescribed.

As per the waterfall mechanism recommended by the committee, revenues will first be used to complete construction. Previous dues of financial institutions and land authorities and other authorities should be treated on a pari-passu basis for taking haircuts.

“No cash flows will be shared with the original promoter till the project is completed and entire dues of financial lenders and land authorities are paid fully,” it said.

Housing Prices in Top Cities Surge on Robust Demand

Kolkata leads with 15% increase; new project launches also up, finds report

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Bengaluru: Home prices in India's leading eight cities surged 7% year-on-year in the first quarter of FY24, led by Kolkata at nearly double the average rate, as strong housing demand offset the challenges posed by the 250-basis point increase in policy interest rates since last summer. One basis point is 0.01 percentage point.

A collaborative report by Credai, Colliers, and Liases Foras showed that Kolkata led with a 15% increase, closely followed by Delhi NCR and Hyderabad, which saw respective rises of 14% and 13% year-on-year.

Boman Irani, president of Credai National stated, "The ongoing momentum in quantum of sales across the country is a clear reflection of positive homebuyer sentiment and validates the conducive nature of the market. We are also witnessing record breaking numbers due to the pent-up demand from Covid-19 and despite the price rise, we expect this trend to continue for the rest of the fiscal year on the back of a relatively stabilized repo rate and lending ecosystem. Additionally, the upcoming festive season will help in further boosting the sales and sustain the momentum through the start of 2024."

In recent quarters, the prime markets have experienced increased activity in new project launches, contributing to a 13% year-on-year rise in unsold inventory across India. However, Delhi stands out as the sole market where unsold inventory has decreased. "Over the last 10 quarters, there has been a consistent upward trend in housing prices

across the country. With repo rate stabilising since February 2023 at 6.5%, homebuyers' sentiments remain positive due to greater visibility on monthly EMIs. While developers continue to grapple with the challenges of higher costs of construction, housing demand remains unwavering. Housing demand is likely to further accelerate in the next few quarters led by the upcoming festive season and continued preference for home ownership," said Peush Jain, MD, occupier services, Colliers India.

The increased demand for spacious dwellings, and increase in high-end projects has also pushed housing prices for under



PRICES OF BIG HOMES

The prices of 3-bedroom and 4-bedroom homes have gone up by as much as 2-20% in major cities in Q2

construction units northwards in markets like Kolkata, Hyderabad, Delhi NCR and Bengaluru.

The prices of 3-bedroom and 4-bedroom homes have gone up by as much as 2-20% across major cities in Q2. "The housing market has maintained its prudence and discipline primarily due to a high number of new launches over the last year, and momentum is continuous. Increasing supply has kept the price rise moderate and productive, drawing both the end user and long-term investors", said Pankaj Kapoor, managing director, Liases Foras.

Malhotra Grp Buys Emerald Lands Project

New Delhi: Malhotra Group, a UK-based company that has business interests in property, care homes, and leisure across the UK, has acquired a stuck project in Punjab's Ludhiana.

Cement Sales to be Firm, but Cos Face Margin Pressure

Capacity addition by many cos may weigh on prices

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Mumbai: Demand prospects for Indian cement makers continue to remain robust in the run up to elections, supported by growth in the housing and infrastructure sectors, experts said.

However, margins of these companies are expected to remain under pressure for the next few quarters due to increased production — as most large cement companies are in the middle of capacity expansion — which could weigh on prices.

Despite a lower energy cost, the margins measured as Ebitda per tonne have not improved in the June quarter. However, demand continues to be strong, said Snehdeep Bohra, director at Fitch Ratings. Ebitda stands for earnings before interest, tax, depreciation and amortisation.

With new capacity additions, cement companies will look to push volumes, which could lead to lower prices and thus muted average realisations, he said. "The excess supply due to capacity additions and

high competition will lead to utilisations level to trend slightly lower in the next few years. Since the energy prices have eased from last year, margins will depend largely on pricing discipline," he said.

In a report on cement market leader Ultratech, analysts at ICICI Securities made a similar observation that there was no merit in increasing the company's target price given "high underlying competitive intensity, continuous industry-wide capacity addition and historical evidence of easing fuel cost failing to drive-up Ebitda/tonne."

Analysts at ICRA expect the cement sector volume to grow 7-8% to around 415-420 million tonnes between FY24 and FY25. Capacity additions are estimated to be 63-69 million tonnes over this period.

Notable recent capacity additions include commissioning of 1.2 million metric tonnes of brownfield cement capacity by UltraTech Cement at Magdalla in Gujarat.

Construction & Demolition Waste Management Conference

October 19, 2023

Bombay Exhibition Centre, Mumbai, India | 10.00 am onwards



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		Vinnapas 4023 N	Versatile Binder for All dry Mix application
		Vinnapas 536 ED	Versatile Polymer dispersion based on vinyl acetate and ethylene with high solid content
		Vinnapas 548 ND	Plasticizer and solvent free polymer dispersion based on vinyl acetate and ethylene.
		Vinnapas 7220E	Semi Flexible RDP for excellent tensile strength
		Vinnacel 315 Vinnacel 410 Vinnacel 510 Vinnacel 730	New range of RDP for wall putty tile adhesive and Tile Grout
		Levelling RDP	Vinnapas 5111 L
	Flexible RDP	Vinnapas 5044 N	Flexible Binder,
	Hydrophobic Grade	Vinnapas 8034 H	Hydrophobic Effect, Binder
	Thixotropic RDP	Vinnapas 5012 T	Thickening effect with adhesion Property
	Fumed Silica	HDK (N20, H15, H13L, H18, H2000)	Hydrophilic & Hydrophobic Fumed Silica
	Silicon Powder	Silres BS Powder P	Hydrophobic Silicone Powder
	Hybrid Flooring	Silres BS 6920	Hybrid Silicon Coating on any surface, Recoatability, Stain Free
	Silicon Dispersion	Silres BS 3003	For Coating Application
		Silres BS 16	For Bricks, & Roof
Silres BS 290		For Fasade	
Silres BS 38		For Eazy Clean, Anti Stain	
Silres BS 1306		Solventless, Water-thinnable emulsion of a polysiloxane modified with functional silicone resin.	
Silres SE 227		Organo Slicone Antifoam Emulsion which is Water Dilutable and is designed to control foam in a variety of aqueous systems	
Silres BS 168		Water based, Solvent free, pH-controller for use in water based emulsion paints	
Silfoam SE 3646M		Mineral oil emulsion with small amount of organo modified polydimethyl siloxane with non ionic APEO free surfactants	
Shin-Etsu	MHEC	Tylose MH 60001 P6	For Tiles Adhesive, Grout, Wall Putty, Jointing Mortar application - Water Retention, Sag resistance, Workability
		Tylose MH 100001 P6	
		Tylose MH 150003 P4	
		Tylose MHS 300000 P4	
	Tylose MH 10005 P2	For Plaster type application, Water Retention Sag resistance, Workability,	
	Tylose MH 15002 P6		

	HEC	Tylose H 300 P2	For Levelling application, Low viscosity, good flow,
		Tylose HS 30000 YP2	Water Based Paint
		Tylose HS 60000 YP2	
		Tylose HS 100000 YP2	
		Tylose HX 6000 YG4 Plus	HMHEC for water Based Paint
	Starch Ether	OPAGEL CMT	Workability, Dosage should be 10 % MHEC Increase open time, Sag Resistance
		Solvitose H 2060	Increase open time, Sag Resistance, Workability, Dosage should be 10 % MHEC
		Foxcrete S 200	Retarder for Admixture
	Cellulose Fiber	Technocel 500-1	Crack Resistance, Thixotropic Effect
		Technocel 150-2	
	High Alumina Ciment	Ciment Fondu	Rapid Drying, Rapid Hardening, Shrinkage Compensation, Rapid Strength development
	Plasticizer Melamine Base	Peramin SMF 10	Water Reducing agent
	Plasticizer PC base	Peramin COMPAC 500	Water Reducing agent
	Defoamer Powder	Peramin Defoam 50 PE	Reduce Foam
	Shrinkage Reducing Agent	Peramin SRA 40	Reduce Shrinkage in Dry Mix
Peramin SRA 10			
	TPA Resin	Dianal BR 106	For Coating
		Dianal BR 113	
		Dianal BR 115	
		Dianal BR 116	
	Air Entraining Agent	ESAPON 12/14	For Spray Plaster, Easy Flow
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		Nipacide CFX	
		Nipacide BIT 20	
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