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TMT BARS & STEEL

- ◆ Predicament in the Usage of FE- 500 or Higher Grade TMT Steel Bars in Buildings
- ◆ Steel Design Innovation: Architectural Marvels

AAC BLOCKS

- ◆ Attaining Sustainable Heights with Autoclaved Aerated Concrete
- ◆ Reaching Greener Heights with Autoclaved Aerated Concrete
- ◆ Green Building - Waterless Construction - Innovative Technology for Simple Construction
- ◆ Discover the Way of Eco-Friendly Construction

CONCRETE

- ◆ Concreting with Salty, Saline or Sea Water
- ◆ Aggregate for Lightweight Concrete
- ◆ Rehabilitation of a 175m Chimney, which was on the Verge of Demolition

HIGH-RISE STRUCTURES

- ◆ Elevated High-Rise Infrastructure across the Globe
- ◆ Challenges Posed by Tall Buildings to Indian Codes
- ◆ Evaluation of Wind-Induced Dynamics of High-Rise Buildings by Means of Modal Approach
- ◆ Energy Performance of Tall Buildings
- ◆ High-Rise Construction Concreting Challenges
- ◆ How Building Material Can Influence the Spread of Fire in High-Rise Construction
- ◆ Bocad Supports Indian Engineers for Tower Design

MB - STUDENT INITIATION MODULE: SAND

Business Plan for Start-ups - Part II
IBMS Launched! - IBMS 2016: Asserting Asset Management in India



THE NEW ADR
The Arbitration and Conciliation
(Amendment) Act, 2015

**TOWARDS MORE
ENERGY EFFICIENT
SYSTEMS IN MINING**

**Roofing
Infrastructure
Across
Varied Sectors**



"Fast tracking clearances for the projects will be a growth driver for the MH segment"

-Y. Srinivas Reddy, Managing Director, Bevcon Wayors

Dramatic reduction in energy use can be achieved with sandwich belt high angle conveyors that serve as the vital link in any IPCC (In-pit crushing and conveying) system, says Y. Srinivas Reddy, Managing Director, Bevcon Wayors

Excerpts

Tell us about your technical collaboration with Overland Conveyor Company Inc, USA.

One of the great breakthroughs for Bevcon in last FY was the technology tie-up with world renowned engineering firm 'Overland Conveyor Co. Inc. USA in the areas of bulk and long distance conveying applications. This tie-up has taken Bevcon into a bigger league of execution of projects in the fields of mining, power, cement and others sectors across India. The unique technology of conveying bulk material in 'Troughed & Pipe conveyor' will make a difference to the material handling industry from the perspective of cost economics, environmental, layout criticality challenges more in specific. The technology has been well received by Indian clients and consultants we look forward good business in coming years.

What is growth potential for IPCC in mining sector?

It is quite promising. Introduction of sandwich conveyors for open-pit mine (In

Pit Crushing Conveying) is breakthrough concept of conveying any mineral from pit bottom to the surface by totally eliminating use of conventional trucks. It also minimizes the environmental degradation and brings down the operational cost drastically and enhances productivity and product quality its unique concept ever tried in Indian mining industry.

Could you brief us on flip-flow screens?

Introduction of high efficient 'Flip-Flow Screens' for screening of very high moisture materials more specifically coal has changed the philosophy of conventional screening methods in power sector. In India coal is most sought after fuel for thermal power units and most of the time either coal will be imported or mined from open cast mines and stored in open areas leading to high moisture absorption. The high moisture levels in the coal will be crushed and screened before it goes for boiler firing. The challenge lies in screening high moisture coal as conventional screening methods used will not able to meet the quality demands of the plant. Flip Flow Screen has ability to screen coal with moisture of 40% and efficient enough to the levels of 90% screening.

Could you brief us on high angle sandwich belt conveyor?

Sandwich snake belt conveyors are so

"Bevcon core strength lies in use of innovative conveying systems which caters present day demands of Indian process industries."



Y. Srinivas Reddy

named due to the manner in which the material is 'sandwiched' between two rubber belts before it is inclined at angles up to 90 degrees. Material is 'hugged' by the belts throughout the inclined section to ensure that it does not slide back down the incline, even if the conveyor trips.

A sandwich belt conveyor consists of two endless belt conveyors that share a common load carrying path. The top and bottom belts are independently driven and tensioned. Along the carrying path the top and bottom belts are alternately supported against closely spaced toughing idlers. Radial pressure, due to belt tension and the curving profile, continuously hugs the material that is sandwiched between the two belts. Internal friction is developed and bulk material can be conveyed at any high angle.

Are there any products on the launch pad?

Our modern fully automated conveyor idler and pulley manufacturing unit at Sri City in Andhra Pradesh going to produce low resistance / high speed conveyor idlers and pulleys which will bring down the overall power consumptions of the conveyors and going to be reality by end of current FY. This will further strengthen our manufacturing capabilities. ♦



Asia's largest steep angle conveyor for handling 2X500 TPH pet coke from wagon unloading area to storage silo.