

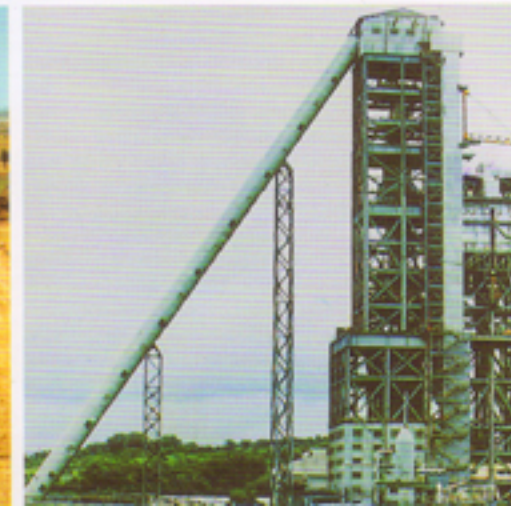
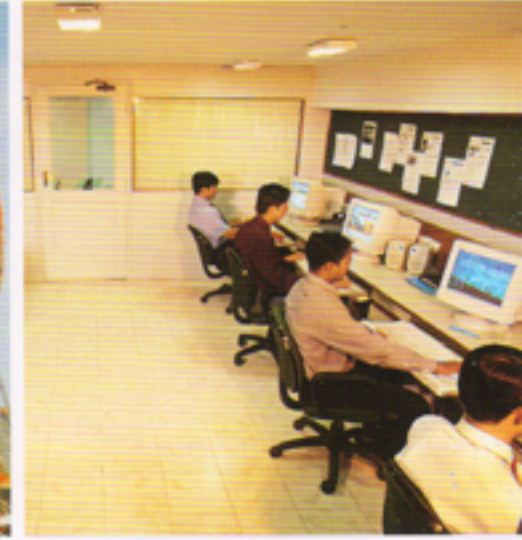


Building ideas into reality...



TECON PROJECTS  
PVT. LIMITED







## O U R   G R O U P

NPL Group, comprising of Tecon Projects Pvt. Ltd. and Naveen Projects Ltd., is engaged in the execution of turnkey projects in the field of BULK MATERIAL HANDLING, CONSTRUCTION, HEAVY FABRICATION & ERECTION JOBS and WATER TREATMENT PLANTS for more than 25 years. We have commissioned various projects for core sector industries like Cement, Steel, Oil, Power, Mines, Sugar, Glass, Fertilizer, etc.

Our vast experience in the concept to commissioning of projects assures that we will find the optimum solution to suit your needs. It will be economical, reliable, safety conscious and environmentally sound. We can customize all your needs to address specific site conditions and material characteristics. Our experience coupled with sophisticated CAD/CAM systems, ensure the best system for your use.

Our standing in the industry is the result of our commitment to quality in every design, engineering, project and construction undertaken by us.

Our professional standards and commitment to quality, coupled with a rich experience gained over 25 years enables us to provide our clients the best in the industry.



# Turnkey Projects

We undertake turnkey projects for large companies both in the public and private sector in the field of handling diverse materials like Coal, Limestone, Iron Ore, Phosphate, Fertilizer, Copper Concentrate, etc. as well as Civil & Industrial construction, Environmental Engineering, Detailed Designing and Component Manufacturing.

Our dynamic and qualified teams take a one point responsibility from design to commissioning and offer excellent technologies that reduce both the capital and running cost.



Material Handling System for Plant in Revadanda



Coal Handling Plant - Rajasthan State Electricity Board, Kota



Coal Handling Plant - Disengarh Power Supply Co. Ltd., West Bengal



Belt Conveyor passing over sea at Vikram Ispat, Revadanda



Construction of plant on turnkey basis PPCL - Amjore, Bihar



Plough Feeder installed in Coal Handling Plant at Panipat

Turnkey Project for Bulk Material Handling for a Sponge Iron Plant at Maharashtra





# Long Distance & High Angle Conveyors

Market expectations for a leading edge in technology are rising higher than before and our efforts to respond to these expectations never cease.

Along with our expertise in Belt Conveyors we grew with market requirement and excelled in new and innovative conveyors like :

- Long Distance Belt Conveyors.
- High Angle Belt Conveyors.



Long Distance Conveyor  
Vikram Super Cement - Near Chitore



High Angle Conveyor



Vikram Ispat - Revadanda



Long Distance Conveyor



Pipe Conveyor - Birla Copper



Long Distance Conveyor at Cement Plant in Rajasthan



Steep Angle Conveyor  
(Vikram Ispat - Revadanda)



# Pipe Conveyors

A breakthrough in Belt Conveyor Technology overcoming the limitations of conventional conveyors.

As the name implies the belt is wrapped into a cylindrical pipe form, guided by six hexagonally arranged idlers along the conveyor route. This allows the conveyor to negotiate inclines of upto 30 deg. and curve in both, the vertical and the horizontal directions, enabling it to negotiate obstacles that would obstruct a conventional straight conveyor. With the product completely enclosed within the belt pipe, spillage is eliminated along the conveyor run on both the carrying and the return side.

## APPLICATION

The Pipe Conveyor system can be used for carrying all types of bulk materials from fine material to 400 mm lump size. Pipe conveyor systems are already in use in the following industries:

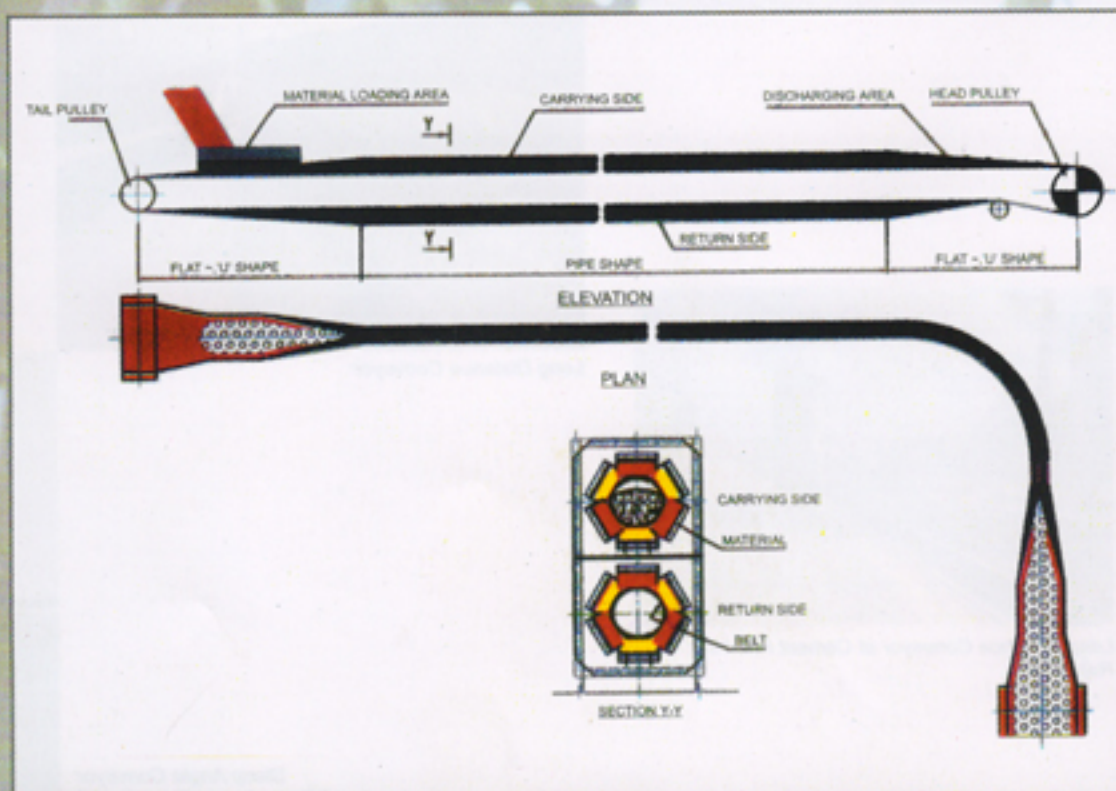
- Metallurgical Industry
- Cement Industry
- Fertilizer Industry
- Paper and Pulp Industry
- Mining
- Food Industry



One of the World's Largest Single Flight Pipe Conveyor, length 3.2 Kms. at Birla Copper, Dahej, Gujarat with max. capacity 1760 TPH for carrying Copper Concentrate, Rock Phosphate and Coal.



Tail end of Pipe Conveyor





## DESIGN

In a Pipe Conveyor system the belt runs flat over the head, tail and snub pulleys. The belt is troughed by idlers at the feeding point. Once the belt is loaded, it is formed into a pipe by overlapping its edges. At the discharge end the belt opens out to a troughed belt running flat over the pulleys. Material can be transported on the return belt.

Intermediate loading can be provided at any point by opening and closing the belt at the required feed point.



*'S' shaped Pipe Conveyor for Vikram Ispat - Revadanda.  
Length - 180 mts with 400 TPH capacity for Transferring for conveying DRI*



*Finger Roller on tail end of Pipe Conveyor*

*Pipe Conveyor for Cement Plant in West Bengal*



*90 degree horizontal curve of Birla Copper Pipe Conveyor*



# Environmental Engineering

The Environmental Engineering Division specializes in executing turnkey contracts in the field of Water & Effluent Treatment Plants, Municipal Sewage Treatment Plants, Industrial Effluent treatment plants, Water & Sewage Pumping station, Cross Country and other Pipelines.

This Division has an understanding with specialized Companies for providing technical support and know-how for undertaking various projects on turnkey basis. We have our own in-house Design & Engineering facilities using CAD systems with up-to-date software and a modern workshop equipped with indigenous & imported machines.



Water Treatment Plant



104 MLD Water Treatment Plant for PMC, PHED, Churu, Rajasthan



Chemical House



Aerial view of reservoir and clarifloculators



60 MLD Water Treatment Plant for PMC, PHED, Churu, Rajasthan



## Civil Construction

After achieving success in Bulk Material Handling our group ventured into Civil Construction. With the same efforts and dedication we have become one of the leading companies in the field of Civil Construction. Our group is undertaking turnkey contracts for constructions of Industrial Plants, Group Housing Complexes, etc. In the last 20 years of our existence, we have executed a large number of contracts for Industries in diverse fields like; Cement Plants, Steel Plants, Paper Plants, Power Plants, Oil & Gas, etc.

Our major clients include, Gas Authority of India, Reliance Petroleum Ltd., DLF Cements, Vikram Ispat, Aditya Cement, Tehri Hydro Development, Govt. of Rajasthan, Govt. of U.P., etc.



Industrial Construction



Residential Housing Complex



Civil Construction Project for Tehri Hydro Electric Development Corp. (106 Units)



Civil Construction for PMC, PHED, Churu, Rajasthan



Civil Construction for Chemical Plant in U.P.



Temple constructed for Vikram Ispat - Revadanda

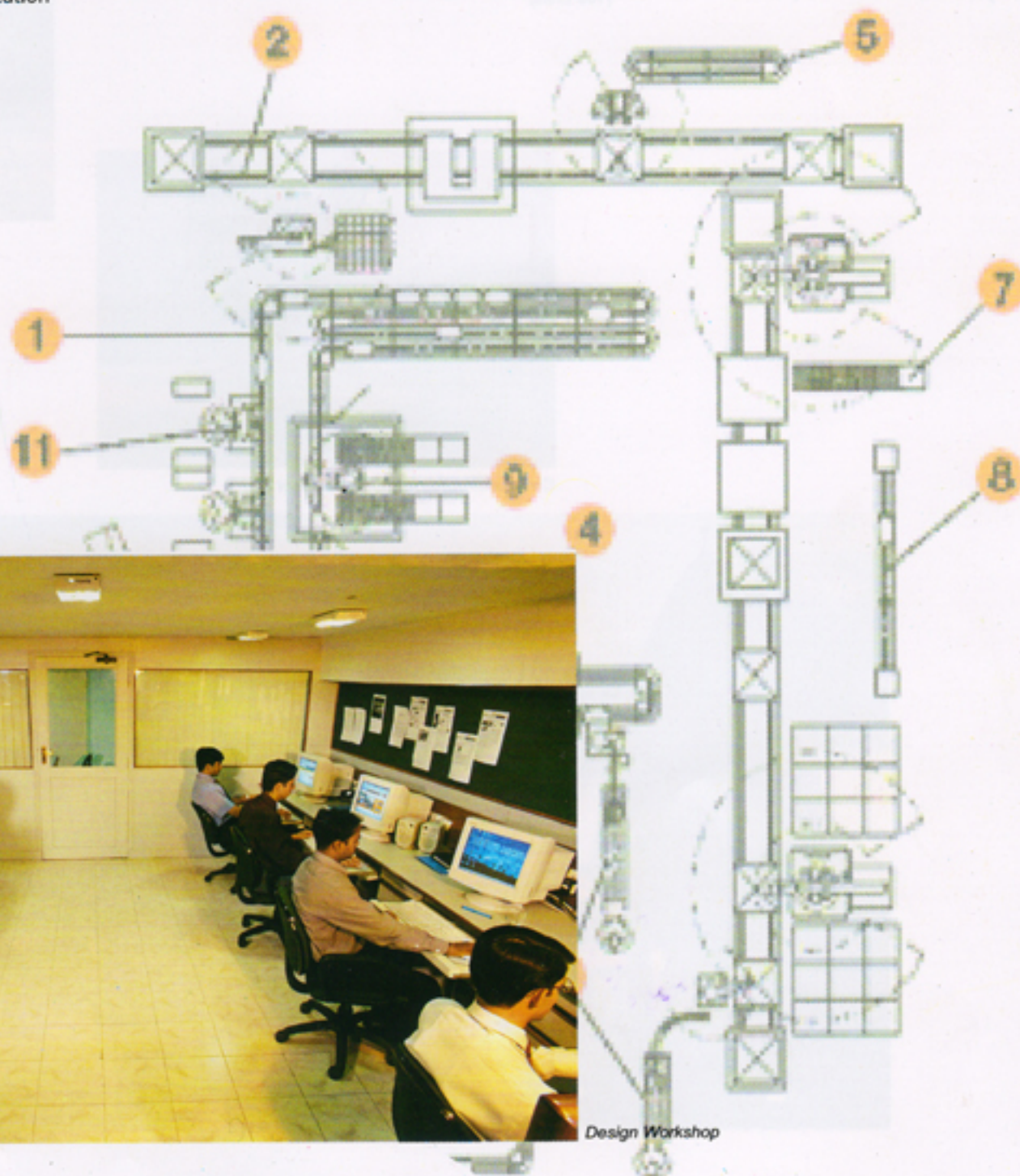
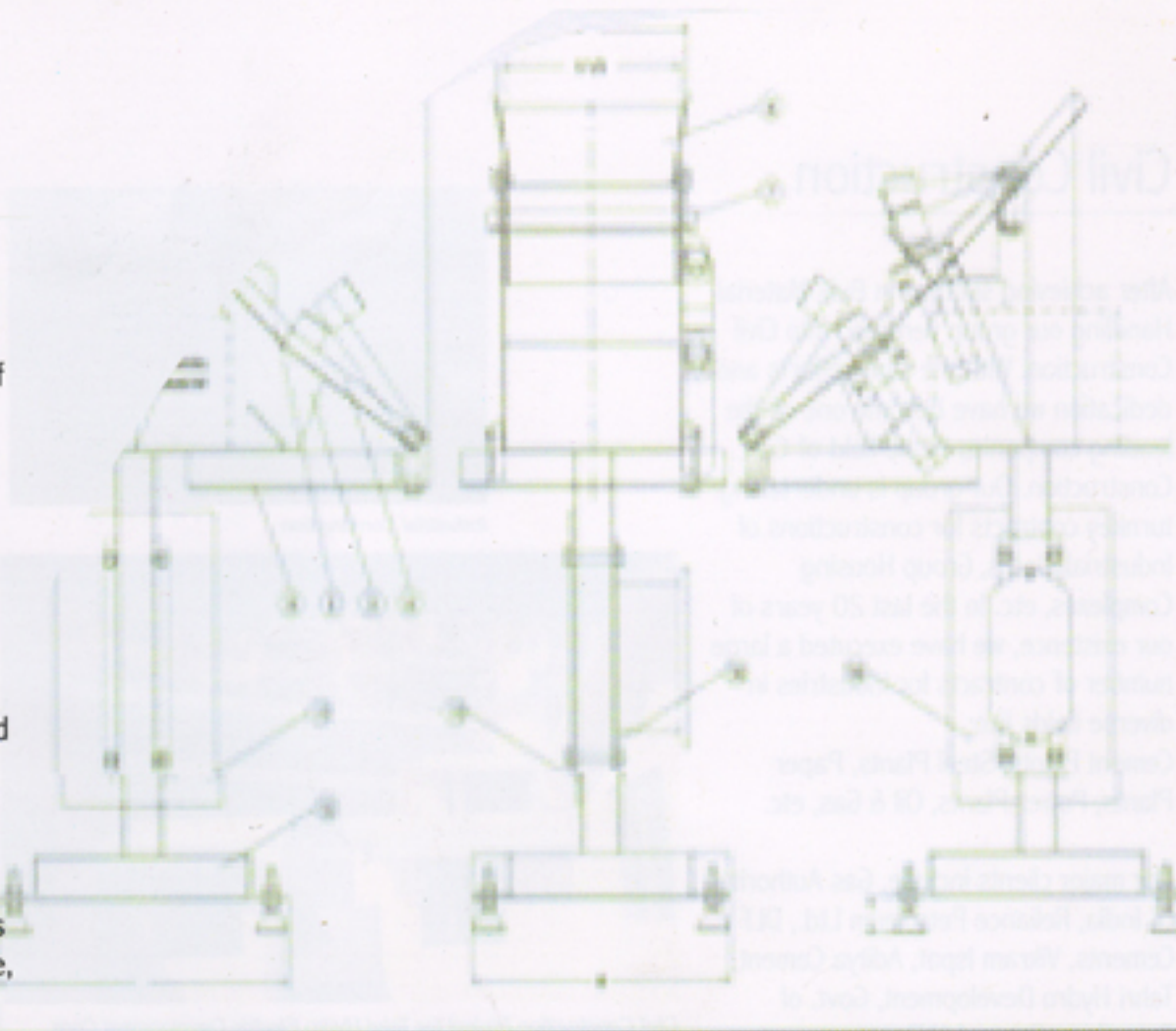


## Design & Engineering

By virtue of our having executed various projects in a wide array of industries, we have the technical expertise to carry out all types of detailed design engineering works.

India is competitive in this area and many multinational companies have opened their inhouse facilities here to save costs. We have set up state-of-the-art operations for companies who wish to outsource these activities to India. We have a distinguished design team comprising of experts from varied fields as well as the latest software available.

Our company has associated with prestigious companies such as M/s Clarke Chapman Limited, U.K., M/s Techint Italimpinati, Italy, M/s Charbonnages De France International, France, M/s Stone & Webster & M/s. Mitsubishi Corporation. etc. for the design and execution of various projects across the world.



Design Workshop

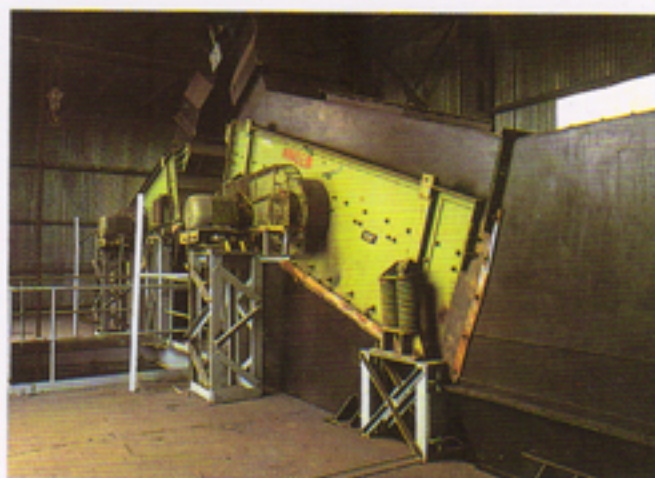
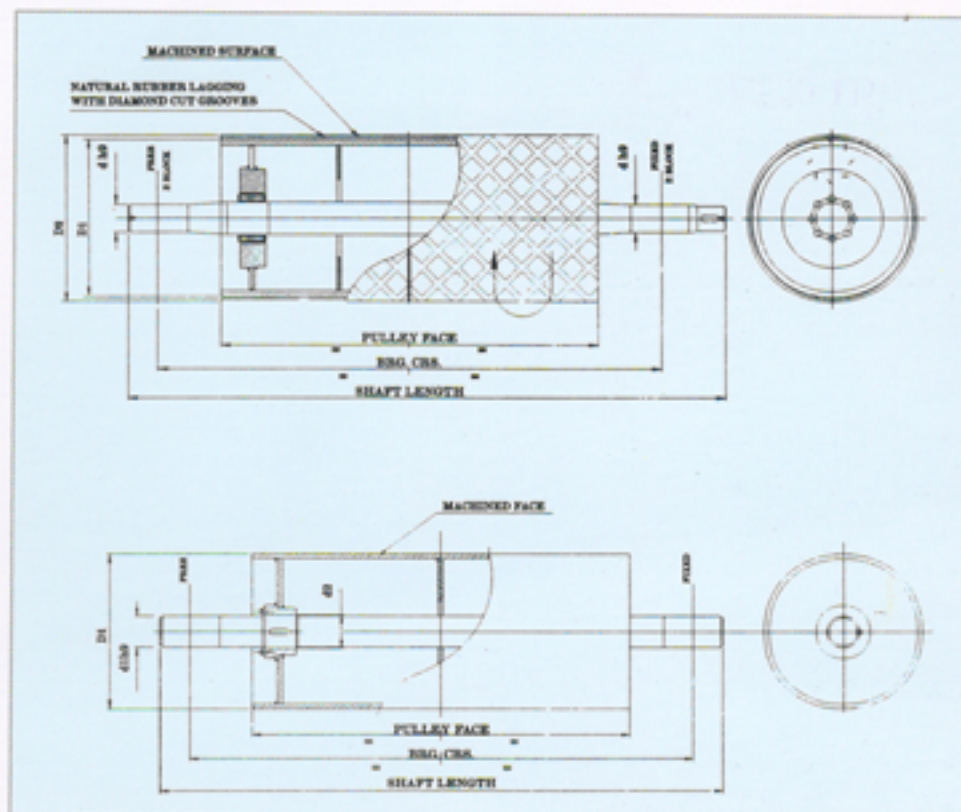


# Components

Our Works manufacture top quality conveyor components as per customer specifications. The list includes Idlers, Rollers, Pulleys, Gates, Scrappers, Gratings, Chutes, Steel Fabricated items of all types (Heavy & Light) among others.



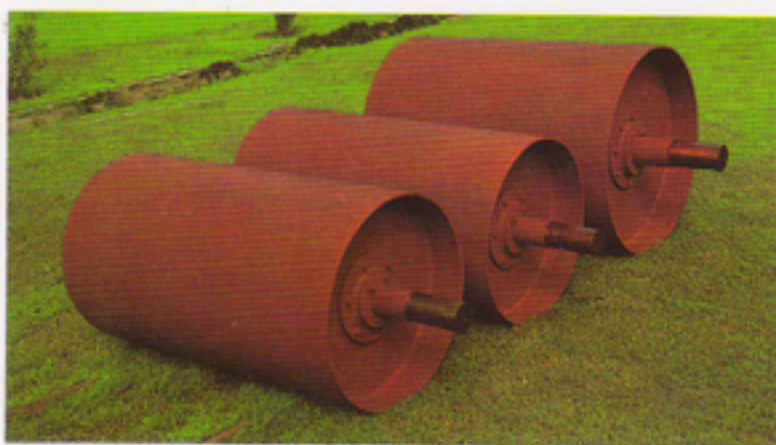
Conveyor Idlers



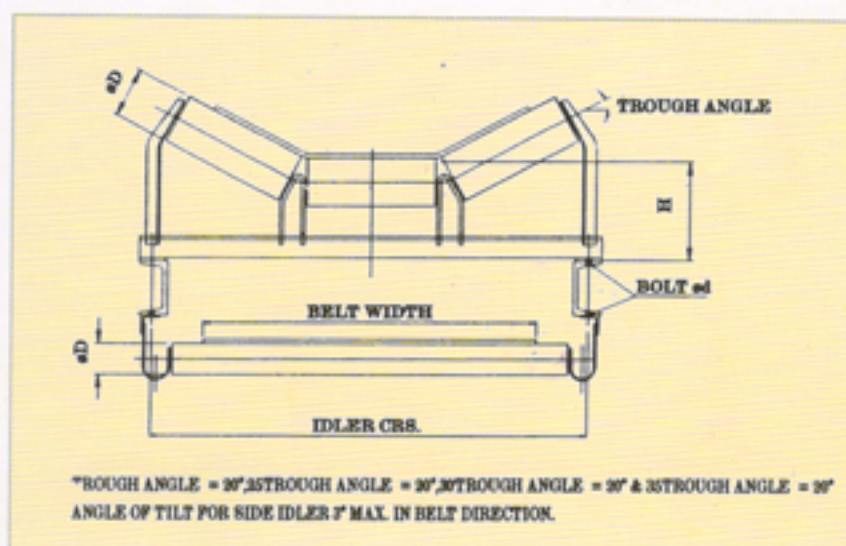
Vibrating Screen installed at Panipat CHP



Conveyor Rollers



Conveyor Pulleys







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