



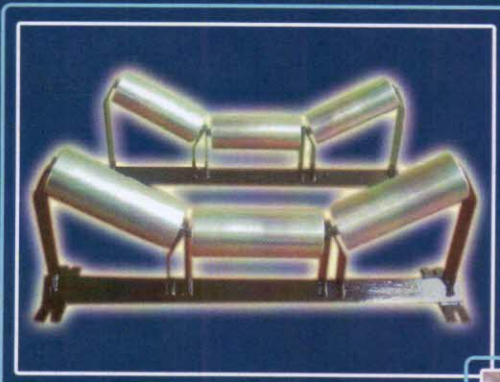
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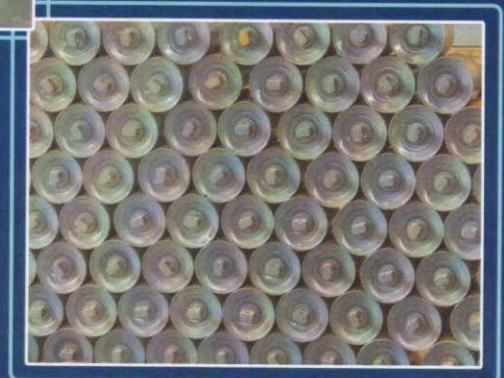
# Upadhayay ENGINEERING WORKS

AN ISO 9001 : 2008 CO.



Material Handling Equipments

**Specialist in :**  
**Idlers/Rollers/Brackets and its Accessories**





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# Upadhayay

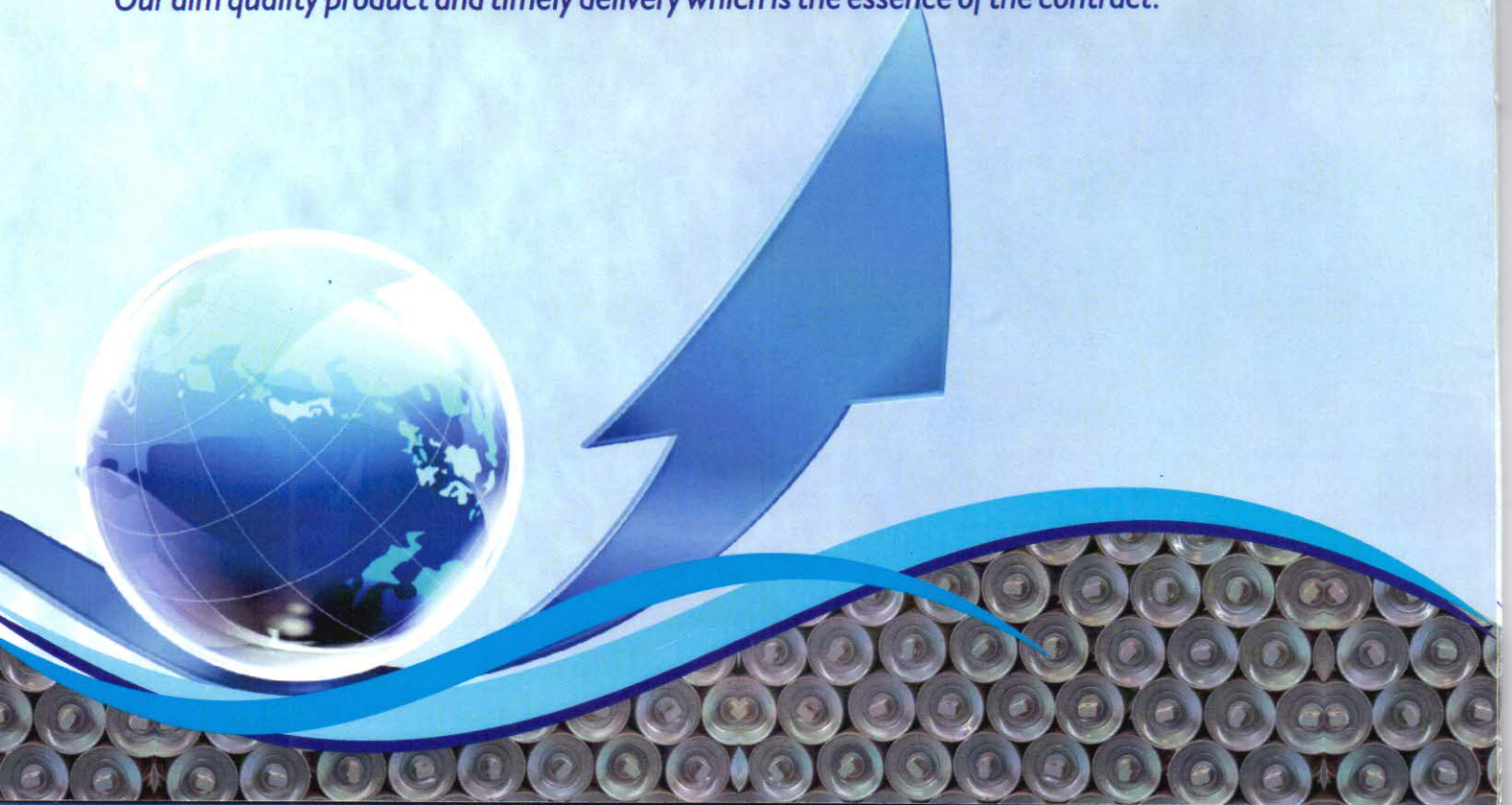
## ENGINEERING WORKS



An ISO 9001 : 2008 Co.

### COMPANY BACK GROUND

*Upadhayay Engineering Works is a precision Small Scale Industry, established in 1995. Company's principal product is all sorts of Pressed Steel Bearing Housings, which is the heart of Idler/Roller and diversified into the manufacturer of Idler, Roller, Pulley, Bracket etc. All the accessories for Idler/Roller like Inner / Outer Seals, Dust Cover, Rain Cap, Rubber Tip and Circlips are our own products. UEW is expert in manufacturing of Idlers / Rollers which is easily interchangeable if required. We have our own modern machine shop manned with Qualified Engineer, Skilled and Unskilled Workmen provided with modern machineries and arrangements. We have duly installed the requisite testing arrangements for Idlers as required by NTPC and other prestigious Govt. Organizations and our products are tested in every stage. Our aim quality product and timely delivery which is the essence of the contract.*





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## ENGINEERING WORKS



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### IDLERS/ROLLERS (AS PER IS: 8598-1983):

#### RAW MATERIALS :

ERW Tube/Shell, Round/Shaft, Bearing Housing/End Disc, Bearing, Labyrinth Seal, Circlip & Grease.

#### MANUFACTURING PROCESS :

The TUBE/SHELLS are machined for fitting of bearing housings at the two ends in double head pipe boring machine so as to maintain maximum possible co-axiality and concentricity.

The SHAFTS are machined between centers and the bearing seating at the two ends are ground between centers so as to maintain concentricity.

The bore of Bearing Housing along with the outside diameter and the back face are machined in the CNC in single setting for maintaining the concentricity to the required close tolerances as specified by the Bearing manufacturers.

After fitting the two Bearing Housings on the two ends of the pipes, these are simultaneously welded in Idler Welding Machine using two nos. MIG/Co2 Welding sets. The machine has been designed to ensure proper co-axiality / concentricity of the two bearing bores of the ends.

Rain cap, Dust cover & Multiple Labyrinth seal are provided in the Idler/Roller to prevent from Coal Dust & Water Moisture.

The Idlers are sealed for life (lubricated for life).

The Bearing, Seals etc. are properly fitted on the Idler by Using SPM Hydraulic Machine.

Hi-lithium base grease is used for ensuring longer life of Idlers.

The assembly is carried out maintaining the safety precautions / norms for ensuring quality Idlers.

