

Acid saving through heating pickling tank

Location: Multi Steel Casting, Bangladesh

Process: Re-rolling and pipe manufacturing

Before

- Acid was used at ambient temperature
- Pickling time was higher due to lower reactivity, leading to higher acid consumption



After

- Temperature of the tank increased by ~5-10°C utilising waste steam from other process
- Pickling and overall process time reduced
- Reduced acid consumption



Costs/benefits

Cost: BDT 2,000

Payback: Less than 1 month

(10-15% of pickling acid saved annually)

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