

Chemicals savings by installing mechanical descaling

Location: Hulas Wire Industries Ltd., Nepal

Process: Wire manufacturing

Before

- Mild steel (MS) wire (both high carbon and low carbon) used for production of galvanized iron (GI) wire was being treated with hydrochloric (HCl) acid in pickling process for descaling
- The total annual consumption of HCl was 848,642 litre



After

- Mechanical descaling process instead of acid pickling is now used for low carbon steel
- This has significantly reduced annual HCl consumption to 615,673 litres



Costs/benefits

Cost: NPR 10,000

Payback: 1 month

Annual savings: NPR 2,795,000

(615,673 litres acid per annum)

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