

Saving water through internal reuse

Location: Panchakanya Steel Pvt. Ltd., Nepal

Process: Steel bars manufacturing

Before

- Ejector used for pushing out the heated billet from the furnace was cooled down with water spray
- Water used for cooling the ejector was being drained out



After

- Water from the ejector cooling spray was collected and diverted to cooling tower and reused, reducing the demand for fresh water

Costs/benefits

Cost: NPR 10,000

Payback: 1.4 months

Annual savings: NPR 90,000

(18,000 kl water per annum)

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