

Energy savings by insulating curing tanks

Location: Pioneer Electrocables, Nepal

Process: Electrical cable manufacturing

Before

- Two curing tanks, each with 16 kW electric heaters, are installed for curing of electrical cables; these tanks were not insulated
- Over an operation time of 6 h per batch, electricity consumption was 192 kWh



After

- Both tanks were insulated with glass wool and protected with metal cladding
- This reduced operation time to 4 h per batch and electricity consumption to 128 kWh



Costs/benefits

Cost: NPR 30,000

Payback: 3.5 months

Annual savings: NPR 102,400

(10,240 kWh electricity per annum)

Contact: Dr. M Balakrishnan, malinib@teri.res.in
Mr. Amar Manandhar, amar@seednepal.org

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