

Fuel savings by reducing the furnace opening

Location: Pashupati Iron & Steel, Nepal

Process: Rerolling

Before

- Billets were heated in furnace, fired by furnace oil (FO), before rerolling to make thermo mechanically treated (TMT) bars
- The 15 cm opening in furnace feeding door contributed to heat loss of 1,056 kcal/h



After

- By manually setting the door hangers, the height of the door opening was lowered by 7.5 cm
- The lower heat loss from the door opening correspondingly reduced the fuel consumption



Costs/benefits

Cost: Nil

Payback: Immediate

Annual savings: NPR 21,440

(536 kg of FO per annum)

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