



METABUILD

Resource-Efficient Supply Chain for Metal Products in Buildings Sector in South Asia

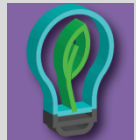


Outstanding Companies Sri Lanka

Selection criteria

- Number of implementations done with respect to the applicable measures
- Impact of the implementations
- Cooperation with the project
- Visible changes after the implementation

Symbols used



Energy



Water



Waste



Materials



Money

Moscow Lanka Steel (Pvt.) Ltd.

Kahathuduwa, Sri Lanka



The company: Moscow Lanka Steel (Pvt.) Ltd. commenced operation in 2005 by taking over a closed down steel factory. Since then, the plant is successfully, producing TMT (Thermo-Mechanically Treated) bars (brand name GAJABA) for the domestic market.

Key implementations

- Bag filter installed to remove particulate matter in furnace flue gas and reduce emissions
- Recuperator installed to pre-heat combustion air up to 120 °C
- Replaced fibre bearings with ball bearings in the finishing main motor (400 kW) to reduce energy consumption and maintenance cost
- Magnetic separator used to sort metal scrap to reduce slag formation

Savings (per annum)



Electricity: 523,226 kWh

Furnace oil: 46,727 l

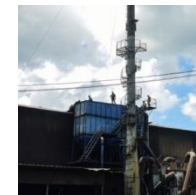


LKR 9,736,773



Utilizing natural light

Emission reduction



Recovering waste heat

Waste reduction





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