



SHIJIAZHUANG IRON & STEEL COMPANY LIMITED

Revised Procedure to Turn Roof Deck Fan Off in Winter when it is not Needed

SUMMARY OF THE OPTION

Shijiazhuang Iron & Steel Co., Ltd. (“Shigang”) is a state-owned integrated steel plant located in Shijiazhuang city, the capital of Hebei province in China and produces 2 million tons of carbon structural round steel per year.

During assessment of the plant, the Team found that a fan is used at the top deck of the cooling tower in the closed loop cell at all times. . At the time of the assessment, the fan was removed for servicing, suggesting that the fan is not needed at all times, especially cold days. The Team suggested amending fan operating procedures to switch it off during winter and cold weather. The Company amended the operating procedure and then found that there are more than 30 fans functioning in this fashion. Because this option was implemented, annual electricity savings are 2.75 million kWh, and CO₂ emission reduction is 2126 tons per year. At the current electricity price, annual savings are about 1.32 million yuan per year, which is about US\$ 160000.

KEY WORDS

China, Iron and Steel, Fans and Blowers

FOR MORE INFORMATION

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