

Research Title : Natural Resources and Environment Social and Economy and Developed Technology by Clean Development Mechanism to Reduced Greenhouse Gases of Bis Pipe Fitting Factory Co.Ltd., Samutsakorn Province

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The objective of this research is study of are study indicators of natural resources, environments, social and economic and technology in Bis Pipe Fitting company co. ltd., and study suitable media for research promotion.

The study indicators of natural resources : the water supply of the project are two types of ground water and tap water consumption and water consumption of tap water. In the production process. Because the price is cheaper. Green area under a very small amount. It should be planted Asoka of India (*Polyalthia longifolia*) to reduce dust and noise from the production process.

The study indicators of environments : the wastewater characteristics were determined such as total dissolved solids and chemical characteristics of wastewater such as pH, oil and grease, cyanide and heavy metal as iron (Fe), hexavalent chromium (Cr 6+), lead (Pb), Zinc (Zn) and Manganese (Mn) which whole of these parameters were higher than the level of the drainage of wastewater standard of ministry of industry. This wastewater cause affect for natural water quality. So that select suitable management to increase productivity and decreased wastewater pollution such as develop processes by checking product in process of degreasing by sodium hydroxy, acid dipping by hydrochloric acid and setting up for the standard for galvanizing and selected wastewater treatment such as borohydride reduction for separated heavy metal for recycling with filtrated by typha tissues for reduced oil and grease. About apply Six Sigma to reduced waste from 12,971.26 kilograms to 2,334.82 kilograms and reduced loss from 6,794,914 baht per day to 1,223,084.52 baht per day

The result of suitable media for research promotion on color, attractive, language, data, quality of data and easily understood showed that suitable media are poster, leaflet and powerpoint were higher.