FUZZY OPTIMIZATION TECHNOLOGIES IN KILN PROCESS

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The set-point of kiln decides the fineness of cement. A new approach is developed to study the fineness of the quality of cement in cement industries using fuzzy optimization technique system. The condition of kiln process is dependent on weight factors calculation, timing calculation, mixing chemicals and set-point of kiln in amps. We take the objective functions in optimization technique as

i. weight factors calculation
ii. timing calculation
iii. mixing of chemical proportion
iv. set-point of kiln

In this paper we formulated the fuzzy rules and derived conclusions based on our study.