

# Improvement of Safety Culture in Steel Manufacturer Industries by using Behavior Based Safety

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**Abstract:** Behavior based safety plays an important role to minimize the accident due to unsafe behaviors in the workplace in the organization. It is evident from the past accidents that 88% of mishap is due to the unsafe act in the organization and reducing the accident is quite challenging. Behavior of the employees changes in the workplace, though the rules and procedures are enforced in the organization. Behavior safety maturity of the employees varies in accordance with the standards, risk management, communication and involvement of the employees. This paper describes about the assessment of maturity level of the employees in biscuit making process based on four different themes such as standards, risk management, communication and involvement. The maturity level is assessed by paper-based survey for the group of 165 employees whoever is involved in repeated violations in the biscuit making process. The gap in the expected behavior is identified and necessary corrective action is provided to bridge the gap of expected behavior among the employees.

**Keywords:** Behavior based safety, Risk management, Mishap, Corrective action, Maturity level, BBS Training and Orientation & Expected Outcomes etc.