

## **INVESTIGATION OF FOUNDRY WASTE SAND RECLAMATION PROCESS FOR SMALL AND MEDIUM SCALE INDIAN FOUNDRY**

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### **ABSTRACT**

A by Product of making a foundry casting is waste Sand. Waste sand is major problem for Indian Small and medium scale Foundry.

Metal casting process generate several kinds of waste, foundry sand is the main waste. Since foundry make intensive use of sand as primary direct material, the regeneration of this sand can be considered as main factor in environmental performance to achieve sustainable development.

In India small and medium scale foundry industries are not aware of this fact. They are ignoring problems, since last decade. But now a day it is essential to focus on sand regeneration, re recycling, re-use and disposal for sustainable development in foundry industries.

This paper focus on Scope of implementation of these techniques in small and medium scale foundry industries in India, considering some environmental, technical and economical aspects depending upon type of opportunities.

**KEYWORDS:** Foundry, Foundry Sand, Sand- Regeneration, Sand- Re-Recycling, Sand Re-Use