

## FOUNDRY DIVISION

Description : MANUFACTURING & REPAIR OF WOODEN / THERMOCOLE / METALLIC PATTERNS FOR CASTINGS

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Quantity : 10 Cu. Mtr.

### 1. SCOPE OF WORK

- Layout of casting drawing in 1:1 scale
- Preparation of wooden & thermocol segments – Planing & cutting segments of desired size. Provision for Machining operation should be kept.
- Construction of pattern as per lay out – Screwing, Nailing, Dovelling & layer formation
- Assembly of pieces and segments.
- Hand finishing through hand files and sand paper
- Machining (Milling, Turning) of patterns for Diameter preparation
- Machine finishing of pattern with disc sander, bobbin sander etc.
- Putty finishing of pattern
- Self inspection – preparation of dimensional report of patterns
- Painting of pattern
- Repair and modification of old patterns
- 5 – S activity in Pattern Shop and Pattern Store
- Identification of old and broken patterns to be scrapped.
- Dismantling of old / scrap pattern for use of wooden segments and planks.
- Proper arrangement of wooden segments taken out from old / scrap pattern.
- Collection of loose aluminium pieces and screws in separate bins.