



TECHNOLOGY MANAGEMENT

SPECIFICATION

Sentrand Machine Vision Laboratory: Specialised Tools, Instruments, Machinery and Equipment

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Date: February 2009

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1 SCOPE

1.1 IDENTIFICATION

This document describes tools, instruments and equipment needed to develop and utilise the Machine Vision (MV) laboratory at the Sentrander Kraal. This laboratory consists of a platform with three existing buildings, asset numbers 02AK213J (Machine Vision Integration Room), 02AK214J (Store Room and MV Development workshop) and 02AK215J (Locker room and Kitchen). Also part of this facility is 4 railway lines that run parallel to this platform and buildings.

2 BACKGROUND

The Condition Assessment Technologies (CAT) section has already taken occupation to build and develop a Machine Vision Laboratory at the Sentrander Kraal. This facility shall be a worldwide leading facility where Machine Vision Concepts will be developed, tested and evaluated that in turn can solve many of Transnet's railway problems. In the past, these buildings have served a purpose for storing and loading of goods and live stock into wagons.. Since the scope has now totally changed, the facility must be upgraded and stocked with the new requirements as stated throughout this document.

3 ITEMS REQUIRED

3.4 KITCHEN UTENSILS, APPLIANCES AND FURNITURE

All Kitchen utensils, appliances and furniture shall be high industrial quality. CAT shall approve all Items before purchase. Incorrectly supplied items that do not adhere to the standards shall not be accepted by CAT.

- 3.4.1 4 x mahogany office desk 1200mm. The melamine shall be at least 22mm thick. No drawers.
- 3.4.2 2 x mahogany cupboard 1800mm. The melamine shall be at least 22mm thick. At least 5 interchangeable shelve arrangement.
- 3.4.3 4 x Hi back rest chairs-black vinyl/leather
- 3.4.4 1 x microwave
- 3.4.5 1x toaster
- 3.4.6 1 x kettle
- 3.4.7 1 x sandwich press
- 3.4.8 1 x hot glass plate
- 3.4.9 1 x mini kitchen
- 3.4.10 1 x Urn 8 litre capacity
- 3.4.11 1 x cookware set
- 3.4.12 2 x kitchen utensil set
- 3.4.13 2 x hanging cutlery set
- 3.4.14 2 x plate set
- 3.4.15 1 x combination espresso/cappuccino machine
- 3.4.16 1 x Coffee machine
- 3.4.17 16 x coffee mugs
- 3.4.18 1 x Combination fridge

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