

## **REHABILITATION OF ROSHERVILLE ROOF STRUCTURE**

### **Background**

The large amount of rain has been witnessed recently in and around Gauteng, the rains has resulted in most of the building roof not being able to withstand water leading to the seeping inside the building. This is due to the ageing infrastructure which requires overhaul for it to be good condition and compliant to the safety standard. Since the incident happened, the facility has been identified as the safety risk to employees occupying the building.

The execution of the scope will be mitigating the safety risk that may lead to building collapsing and possible injuring the employees resulting into LTI's.

### **Scope**

The scope of work entails demolishing of existing roof structure and replacing roof covering with Klip-lok sheets including trusses and or strengthening. This includes application of waterproofing where necessary, supply and installation of rainwater goods for all the buildings as indicated below.

#### ***Buildings to be rehabilitated are as follows:***

- 1) Bulk Material Services & Construction Services Headquarters ( $\pm 1653.50\text{m}^2$  with a hip roof)
- 2) Canteen ( $\pm 2006.22\text{m}^2$  with a hip roof)
- 3) Training Centre ( $\pm 3246.97\text{m}^2$  with a dual pitch roof)
- 4) RMFW01 ( $\pm 8002.84\text{m}^2$  with a dual pitch roof)
- 5) Transformer and Switchgear Services ( $\pm 1474.64\text{m}^2$  with a dual pitch roof)

#### ***Deliverables:***

1. BMS BUILDING
  - Replace roof with global roofing solutions 700mm cover klip-lok (sheeting to be fixed to existing purlins)
  - New gutters at least 150x150mm powder coated,
  - New downpipes 100mm diameter

- Roof insulation above usb green liner
- Replace corroded lintel and replaster and paint it,
- New beam filling around whole perimeter,
- All ceilings to be inspected for water damaged and be replaced with new (NB: ceiling to be done by others. Approved company to do full installation and provide suitable specified ceiling for space).

## 2. **CANTEEN**

- New sheeting to match existing and waterproofing to be done at joints prior to sheets being installed,
- Create new drip profile under patio to allow water to not enter building,
- Clean out drainage system,
- Create more drain overflows lower than beam filling to hide them from view,
- Junction of roof sheeting to be re-flashed with appropriate profile to create sealed envelope,
- Skylight joints to be inspected and sealed where envelope has been damaged,
- Existing sisalation to be replaced with alububble 1983 reflective foil, with new straining wires, as per manufacturers instruction,
- All ceilings to be inspected for water damaged and be replaced with new.

## 3. **T&SS BUILDING**

- Replace roof with global roofing solutions 700mm cover klip-lok (sheeting to be fixed to existing purlins)
- New gutters at least 150x150mm powder coated,
- New downpipes 100mm diameter
- Pressure hose clean gutters and strip off paint with turpentine
- Eaves beam filling to create a sealed building envelope and for pest control,
- Sisascrib heavy duty roof insulation foil 1200mm x 40m.

## 4. **RFMW01**

- Rubberise box gutter,
- Pressure hose clean gutters and strip off paint with turpentine

- Install new flashing min 300mm under roof sheeting and 300mm over side sheeting.

5. **TRAINING CENTRE**

- Replace roof with global roofing solutions 700mm cover klip-lok (sheeting to be fixed to existing purlins)
- New gutters at least 150x150mm powder coated in approved colour,
- Install new flashing min 300mm under roof sheeting and 300mm over side sheeting,
- Sisascrib heavy duty roof insulation foil 1200mm x 40m.

On completion manufacturers certificates, guarantees and warranties must be submitted.

Theona Dzingwa

Full Name

Designation

Project Manager



Signature