

**ANNEXURE A**  
**Weed Control**  
**SFF Association**  
**Skurwerug Site, Saldanha**

**SCOPE OF WORK**

**THE SERVICES**

The services to be provided shall be Weed Control at the Saldanha Terminal in the areas listed below:

**Weed Control**

**Frequency:**

- Frequency of spraying will be twice-yearly during May and towards the end of October of the year.
- Follow-up spot spraying to be done through the year to control weed growth.
- All areas to be treated with Glyphogan 360 SL and Simanex 500 SC to ensure a “guaranteed” 100% weed control at all times.

**1. Tank Tops**

**a. Tank Tops:**

Covered with 19mm stone 200mm thick to be sprayed from fence to fence.

**Area = 42.1ha**

**b. Fence Areas:**

Tank Tops: From fence to 1 (one) metre down gradient on slopes of the entire outside perimeter of the fencing surrounding the Tanks. Perimeter total fence: 3,770m. Plant growth in fences like weed, bushes and trees to be sprayed and removed

**Area (3,770m x 2) = 0.754ha**

**c. Roads:**

1 (one) metre wide area on the inside and outside of all 7 (seven) Roads leading up to the Tank Tops, including expansion joints. Tank Top road lengths: 1,288m. Plant growth in fences like weed, bushes and trees to be sprayed and removed

**Area (1,288m x 2) = 0.276ha**

**2. Substations**

**a. Mini Substation:**

Electric mini substations on Tanks 1, 2 & 5 to be sprayed, not only within but also a 1 (one) metre wide area around the outside perimeter. Total perimeters for all 3 (three)

substations 120m. Plant growth in fences like weed, bushes and trees to be sprayed and removed

**.Area (120m x 1) = 0.012ha**

**1) Total: 1a – 1c & 2a = 43.14ha**

### **3. Roads:**

#### **a. Main Entrance:**

2.5m (two point five) metre wide area on both sides of the road, from main road to Main Entrance and Contractors Gate. Total area 683m<sup>2</sup>.

**Area (683m<sup>2</sup>) = 0.068ha**

#### **b. Car Park – Main Entrance:**

Entire car park up to concrete wall and asphalt road, plus 1 (one) metre wide area on the outside of the concrete wall of car park. Total length of concrete wall is 36m .

**Area = 0.106ha**

#### **c. Garden Boundary – Main Road (Saldanha)**

2.5m (two point five) metre alongside gardens

**Area (91.0m x 2.5m) = 0.0228ha**

#### **d. Main Tank Farm Road: North Gate to South Gate.**

Spray concrete road expansion joints (5.0m apart). (Road length: 4,150m)

**Area (±830 x 100mm) = 0.083ha**

#### **e. Nitrogen Plant Road:**

1 (one) metre wide area on both sides of the concrete road, including expansion joints. Total length of road is 450.0m.

**Area (450m x 2) = 0.09ha**

**2) Total: 3a – 3e = 0.370ha**

### **4. Security Alarm System:**

#### **a. Cleared Areas:**

4 km (four) x 10m wide covered with 19mm stone 200mm thick.

**Area = 4ha**

#### **b. Cleared Area Perimeter:**

The 10m wide area of the alarm stone covered surface must be extended by 1 (one) metre onto the ground surface at both sides along the perimeter. Total length is 4km (four) x 2m (two) metre wide.

**Area = 0.8ha**

#### **c. Outer Fence:**

The outer fence on the security alarms must be treated 1m wide inside and outside of the fence, including the wooden pole small fence area of the alarm stone covered surface must be extended by 1 (one) metre onto the ground surface at both sides along the perimeter. Total length is 4km (four) x 2m (two) metre wide. Plant growth in fences like weed, bushes and trees must be sprayed and removed

**Area = 0.861ha**

**d. Admin Perimeter Fence:**

The security perimeter fence around the admin building complex must be treated 1 (one) metre wide inside and outside. Total length is 800m x 2m (two) metre wide.

**Area = 0.16ha**

*3) Total:  $4a - 4d = 5.821ha$*

**5. Valve Stations:**

**a. Cleared Areas:** Covered with 19mm stone

**Area = 0.3ha**

**b. Valve Stations:**

6 (six) Areas as well as 1 (one) metre wide area outside perimeter of fencing of these valve stations. Total length of perimeters 810m. Plant growth in fences like weed, bushes and trees must be sprayed and removed

**Area (810m x 1) = 0.08ha**

**c. Fire Hydrants:** 6 (six) Areas at valve stations. Total length of 12m (twelve) x 1m (one) x 6

**Area = 0.07ha**

**6. Control Area:**

**Cleared Area:** Covered with 19mm stone

**Area = 5.47ha**

**7. Earth Points:**

**Cleared Area:** Covered with 19mm stone

**Area = 0.04ha**

**8. Dog Kennels / Foam Store Area:**

The entire fenced in area (cleared) to be treated and 2m (two) outside fenced area and alongside building. Total length: 220m. Plant growth in fences like weed, bushes and trees to be sprayed and removed

**Area (220m x 2) = 0.044ha**

**9. Nitrogen Area**

2m (two) onto soil from nitrogen system concrete slab.

**Area (58m x 2) = 0.012ha**

**10. LPG / Flare Area:**

- LPG area from fence to fence, including 1m (one) outside fence perimeter: 2,352m<sup>2</sup>  
Plant growth in fences like weed, bushes and trees must be sprayed and removed
- Flare area from LPG fence, flare area including vent line: 2048m<sup>2</sup>
- Gravel road to Flare: 272m<sup>2</sup>

**Area = 0.467ha**

#### 11. Sector 80 (Tanks 7 & 8):

The entire perimeter fence of this area to be treated 1m (one) metre inside and outside of the perimeter fence. Total length: 2,500m. Plant growth in fences like weed, bushes and trees must be sprayed and removed

**Area (2,500m x 2) = 0.5ha**

#### 12. Evaporation Ponds:

The evaporation ponds perimeter must be sprayed a 1m (one) radius around both ponds.

**Area (900m x 1) = 0.09ha**

#### 13. Fire Breaks:

The fire breaks area alongside the security fence to be sprayed inside (2.5m) & outside (1.0m). Total length: 2,500m x 3.5m wide. Plant growth in fences like weed, bushes and trees to be sprayed and removed

**Area (2,260 x 3.5m) = 0.87ha**

**4) Total: 5 - 13 = 8.30ha**

#### 14. Alien Vegetation:

Spraying of saplings (**spot spray**) and cutting down alien vegetation to prevent regrowth – Tanks 7 & 8 area.

**Area = 49ha**

**5) Total: 14 = 49ha**

#### **Total Spray, Hectare:**

<i>Summary</i>	<i>Nr.</i>	<i>Hectare</i>
<i>Total</i>	<i>1</i>	<i>43.140</i>
<i>Total</i>	<i>2</i>	<i>0.370</i>
<i>Total</i>	<i>3</i>	<i>5.821</i>
<i>Total</i>	<i>4</i>	<i>8.300</i>
<b><i>TOTAL</i></b>		<b><i>57.631</i></b>

#### **Spot Spray, Hectare:**

<i>Summary</i>	<i>Nr.</i>	<i>Hectare</i>
<i>Total</i>	<i>5</i>	<i>49.000</i>
<b><i>TOTAL</i></b>		<b><i>49.000</i></b>

## **Working hours**

Normal working hours are as follow:

- Monday to Friday 08:00 to 16:30 – with half hour lunch break
- Saturdays and Sundays normal days off.

## **Safety Equipment and Apparel**

The supplier shall supply any additional safety equipment – apparel required for the safe execution of the service.

All safety equipment / apparel to bear the SABS mark and to be approved by the SFF Safety department.

The Supplier shall ensure that all his personnel engaged in the performance of the service, are provided with the minimum equipment / apparel:

- Safety Shoes / Boots (Steel toe cap)
- Overall with long sleeves
- Hard hat
- Rain suit
- Safety gloves (PVC & leather)
- Hearing protection
- Safety glasses
- Safety goggles
- Masks

MSDS of all chemicals used to be displayed and understood by all involved.

Fresh clean water and an eye rinse bottle to be on site at all times in case of an incident – spillage.

The Supplier shall ensure that all chemicals are safely stored and locked away on site.

The Supplier personnel on site to be trained and declared competent in the usage/appliance of the chemicals used