

C.5 SPECIFICATION(S)

TRADE NAMES OR PROPRIETARY PRODUCTS

Tenderers/Suppliers must note that wherever this document refers to any particular trade mark, name, patent, design, type, specific origin or producer, such reference shall be deemed to be accompanied by the words “or equivalent”.

1. SCOPE OF WORK:

This contract pertains to the chemical control of broadleaf weeds in lawns, annual invaders, pre-emergence weed control, post-emergence weed control, insect and fungi control within City Facilities as and when required.

2. SITE INSTRUCTIONS AND REGULATIONS:

- 2.1 The Contractor shall provide his own supervision, labour, plant, materials including chemicals, transport, tools, ablution facilities and anything else necessary for the proper execution of these works.

The Contractor shall have available at all times, sufficient workmen and resources to execute the work within a reasonable time frame as agreed to with the respective City official. All personnel employed shall be suitably trained in the application of herbicides, fungicides and insecticides as per requirements of the Fertilizer, Farm feeds, Agricultural remedies and Stock remedies Act, 1947 (Act no. 36 of 1947) as amended to prevent unnecessary damage to the environment.

The Contractor is responsible for the supply, maintenance, running and replacement of all machinery necessary to carry out the application program as required. All equipment should be free of leaks and shall not cause pollution in excess of the Regulations of the Environmental Conservation Act 73/1989

- 2.2 If a Contractor's equipment fails, (he/she) must ensure that substitute equipment is immediately available to complete the operations as specified.
- 2.3 The Contractor shall ensure that his/her staff behave in an exemplary manner, are neatly dressed so as not to bring the good name of the Council into disrepute.
The Contractor's staff is to be provided with distinctive overalls and equipped with proper protective clothing and equipment as prescribed by the Occupational Health and Safety Act (this is required for protection of his staff and members of the public).
- 2.4 The Contractor shall undertake the servicing of the sites as agreed to **with the Responsible Official (the City Official as listed in the purchase order)**
- 2.5 Any employee of the Contractor found to be in breach of any site instruction or Municipal By-law will be ordered to leave the sites by the respective Area Manager or their representative (Refer to clause 2.3.10.5 in the tender document).

3. LEGISLATION:

- 3.1 All work must comply with National, Provincial and Municipal Legislation including the Occupational Health and Safety Act. The onus is on the Contractor to familiarize himself with the relevant legislation and policies (e.g. Gazette Notice 1120 OF 2010 pesticide management Policy of South Africa) and to take responsibility for any actions of his/her employees seen as contraventions of the Act
- 3.2 In accordance with Fertilizer, Farm feeds, Agricultural remedies and Stock remedies Act, 1947 (Act no. 36 of 1947), only Contractors registered with the Department of Agriculture, Land Reform and Rural Development should tender and all work should be performed **under physical supervision as prescribed in terms of the law** of **qualified Pest Control Operators** registered in field of 'weed control'. Valid certificates must be produced if requested, the contractor will be ordered to cease all work until such time a valid PCO certificate is produced.

- 3.3 Any accident/ incident, however minor, shall be reported verbally to the respective Area Head/ Responsible Official, immediately followed by a written report within 24 hours on the remedial action taken to remedy the situation.
- 3.4 No portion of the contract shall be sub-contracted or assigned without the approval or consent of the Project Manager

4 SPECIAL REQUIREMENTS:

- 4.1 All herbicide, insecticide and fungicide products must have an L number signifying registration under Act 36/ 1947 as amended
- 4.2 The use of herbicides, insecticides and fungicides must comply with the manufacturers' instructions as indicated on safety data sheets/labels
- 4.3 **The label of the product in use is to be carried on site with the operational units at all times**
- 4.4 Weather conditions have a great impact on spraying and therefore **no spraying should be undertaken when wind speeds exceed 15 km/h**. All spraying apparatus must be fitted with cover sprayers and ultra-low volume or CDA controlled droplet application nozzles used to avoid damage to desirable vegetation. Work teams must be equipped with wind speed meters to monitor wind conditions.
- 4.5 Avoid spraying when temperatures are above 28°C. Wind speed should be steady and ideally between 3 and 15km/hr (2 to 8 knots). These details can be verified with the use of a hand-held weather metre. Works should **cease immediately** should conditions no longer be favourable.
- 4.6 No people or animals should be present in the application area during and within 2 hours after application. Notices to this effect must be displayed at sites informing users. Contractor to supply and display these in 3 official languages (English, Afrikaans and Xhosa) when spraying in confined public spaces, i.e. parks, sport fields, parking area etc.
- 4.7 Application vehicles must be fitted with spill kits and spillages should be handled in accordance with National Regulations (SANS10206 - Handling, storage and disposal of pesticides)
- 4.8 Service Providers are responsible for the provision of water at application sites. If required apply at Water and Sanitation Department for a metered standpipe.
- 4.9 When weed control applications are done on road reserves the following safety precautions must be implemented as prescribed by the The Southern African Road Traffic Signs Manual, e.g.:
- 1) Flagmen equipped and trained to warn oncoming traffic
 - 2) Work teams must be issued with reflective bibs to ensure proper visibility
- 4.10 Record keeping is required in accordance of Act 36/1947: The contractor shall adopt a thorough record keeping system of the application of herbicides, fungicide and pesticide which records details of spray and adjuvants used, the trade name and active Ingredient, the L Reg Number, the total quantity of the concentrate used and the total volume of the diluted spray mixture and the total size of area (m2) sprayed, per area and/or road name and the purpose target organism. Only once this is submitted will payment be processed. In addition the conditions at the time of application, are recorded in a Spray Treatment Report in terms of Act 36/1947.

Include the submission of Spray Treatment Report in terms of Act 36/1947, signed by the contractor, for each PO / Project as part of verification of service rendered in relation to the area specified in the PO issued. Verification of works performed, prior to GRN and payment.

5 WEED CONTROL: As per the Item listed in the pricing schedule.

Weed control application services are required for the:

- Selective systemic control of broad leaf weeds.
- Selective systemic control of annual weeds.
- Selective systemic control of Nutsedges (Uitjies)
- Residual action for the long term preventative control of seed germination.

- Total or Non-selective control on hard surfaces.

CONDITIONS OF USE:

Only registered products under ACT 36/1947 as amended are allowed.

- Selective systemic broadleaf herbicide- *Dicamba / MPCA / 2,4-D (or equivalent)* (concentration rates as per product label information)
- Pre-emergence herbicide
 - Metribuzine (**or equivalent**)
 - Simazine and Terbutylazine (**or equivalent family of Triazine**)
 - Indaziflam (Alkylazine) (**or equivalent**)
 - (concentration rates as per product label information)

NON SELECTIVE WEED CONTROL

Glyphosate

Glyphosate not to be used in aquatic environments, or instances where potential seepage could occur, unless Polyoxyethylene tallow amine (POEA) free adjuvants are incorporated.

- The surfactant properties (wetter's and stickers) must be non-toxic, ultimately biodegradable and a low eye irritancy Glyphosate formulation, no POEA surfactants would be allowed in any glyphosate applications.
- Two applications are required annually during active growing season (with follow-up spot spraying within three to four weeks of initial application where required or as determined by the project manager or dedicated CCT Official to ensure the best results).
- Prices quoted to include all chemicals, labour, application & safety equipment, safety notices, etc. including follow-up applications. The follow-up applications are required within three to four weeks after the initial applications.
- The Contractor must indicate what measures will be in place to effectively control chemical drift during spraying operations and the appointed contractor will be solely responsible for damage caused by spraying operations to vegetation on property other than City Owned Land.

6. INSECT CONTROL:

This includes the application of an insect control program on identified facilities with registered turf insecticides based on pyrethroids containing one of the following active ingredients (*Permethrin, Cypermethrin, Deltamethrin or Cyfluthrin*) **or equivalent**

7. FUNGI CONTROL:

This includes the application of a broad spectrum fungicide program with a turf registered fungicide containing one of the following *Triazole* systemic fungicides *Propiconazole, Tebuconazole or Triadimifon* and a turf registered contact fungicide - *Chlorothalonil* (**or equivalent**) at label rates.

8. REMOVAL OF BIOMASS

Cost for removal of Biomass to be claimed **per kg** or part thereof, measured from weighbridge certificates, including transport.

9 USE OF LOCAL LABOUR (EPWP)

- 9.1 Where local labour is required, names of prospective candidates must be obtained from the Sub-council data base.
- 9.2 The Contractor shall submit his/her copy of a labour report together with his invoice with following details of each employee as per the City labour report:
- o Name & Surname
 - o SA ID number
 - o Gender
 - o Disabled: Yes, or No
 - o Jobseeker data base yes or no
 - o Commencement of contract: start and end date
 - o Number of days worked per month should not be more than 23 days per month
 - o Rate of pay per day
 - o Declaration by Contractor/Vendor
 - o Signature and date signed
- 9.3 Monthly time statement/attendance registers must accompany the above.
Proof of Payment (Payslip)
- 9.4 Failure to comply with the above will result in Invoice not being processed

10 GUIDELINE ON REQUIRED RESOURCES

EQUIPMENT LIST	
1	Road Safety Signage: (e.g. <i>Caution – men at work</i>)
2	Orange demarcation roadside Cones

SPECIFICATION ON SPECIALISED EQUIPMENT (e.g. pumps, trailer, quad-bike, tractor)

The equipment available and to be utilised for each project / purchase order, must satisfy the minimum application specifications of the product manufacturer as specified on the product label or SDS

Adaptable all-terrain vehicle (ATV) with Sprayer attachment or Similar (minimum 100 litre ATV Mounted Boom Sprayer)

The adaptable ATV sprayer should attach easily to most all -terrain vehicles with a rear mounted rack. It shall provide an adjustable vertical or horizontal boom of up to 4200mm wide. A hand-held lance for spot spraying.

Minimum 250 Litre Tow Boom Sprayer or Similar

Towable tank capable of Herbicide application



1. SAFEWORK METHOD STATEMENT

At contract stage, the successful tenderer/s will be required produce a safework method statement, see guideline below:

- Specify the herbicides to be used, including their trade names, active ingredients and concentration.
- Application method to be used. Provide details on the equipment calibration, application rates and any necessary protective measures.
- Safety measures that will be implemented to protect the applicators, surrounding environment and non targeted organisms (e.g. PPE, buffer zones, adherence to local regulations)
- Environmental considerations. Address any potential risks or impacts on the environment, such as no spraying nearby water sources, sensitive vegetation or wildlife habitats. Detail measures to minimise herbicide runoff or contamination.
- Timing and weather conditions. Specify the timing for weed control, weather conditions that may affect herbicide effectiveness or safety e.g. wind speed, temperature limit or rain restrictions.
- Monitoring and assessment. Describe how the effectiveness of the chemical control method will be evaluated. This may include follow-up inspections, monitoring for regrowth or documenting any adverse effects.
- Waste disposal: Provide guidelines for the proper disposal of herbicide containers, excess chemicals and any generated waste following local regulations and best practices.
- Emergency response: Include instructions on how to respond to accidental spills, personal exposure or other emergency situations related to herbicide use. Include contact information for emergency services and relevant authorities.
- Legislative requirements: Confirm compliance with applicable laws and guidelines when using herbicides.