

ANNEXURE C3.2: SCOPE OF WORK

PURPOSE

Rand Water's Environmental Management Services section requires the safe felling, removal and control of listed alien invader plants and selected large trees on Rand Water sites, servitudes and properties.

BACKGROUND

Rand Water's Environmental Management Services section has an ongoing program to remove listed alien invader plants on Rand Water sites, servitudes and properties. Listed alien invader plants together with identified large exotic trees are required to be safely felled, removed and controlled from re-growing.

Senior Horticulturists within Rand Water Environmental Management Services will identify listed alien invader plants as well as selected large trees to be felled, removed and controlled within their area of responsibility. Appointed Service Providers must ensure that while undertaking this that they do not damage adjacent infrastructure or trees as may be the case. The appointed Service Provider will be held liable for any damage caused to any property. The use of a sky-jack may be required to safely fell and remove trees that are in close proximity or adjacent to buildings, roads or other associated infrastructure. The sky-jack / cherry picker to be used is required to safely lift the chainsaw operator to fell the tree in sections from the top down. All branches cut are to be secured with tree felling rope and safely lowered to the ground and not dropped.

Thereafter, or simultaneously, the branches less than 150mm in diameter are to be processed through a wood-chipping machine supplied and operated by the Service provider; the products of such are to remain on site (at an agreed location) and will be used by Rand Water EMS staff as mulch within the landscape. Branches greater than 150mm in diameter are to be cut into lengths not exceeding 400mm and transported to Rand Water EMS-Nursery or a registered land fill site depending on the proximity of the site to the EMS-Nursery. The appointed Service Provider will be required to supply proof of legal disposal by way of a landfill site receipt.

The Service Provider is to ensure that all trees felled are cut down to a height of no more than 100mm from the soil surface. All tree stumps are to be treated with an appropriate herbicide and dye to ensure that no re-growth occurs. The service provider is not expected to remove or grind any stumps; however, any re-growth from the stumps within one year of completion must be re-treated by the service provider free of charge to Rand Water. Service Providers must make provision for second and even third herbicide treatments of trees removed to ensure control of re-growth. The Service Provider is required to notify Rand Water Environmental Management Services of the chemical herbicide to be supplied and used by the service provider and the SDS of this herbicide is to be available in the Service Providers safety file on site. The application of herbicide can only be undertaken by a registered pest control operator (PCO) with the appropriate training and certificates (certificates to be supplied and verified before work can be undertaken). Registration must be valid and up to date.

The Service Provider shall supervise and exercise proper control over all personnel employed by them upon the work, and shall hold Rand Water harmless for any injury caused by the said personnel to persons or animals, and/or any damage to property or things. The Service Provider shall ensure that refuse does not litter the site. All refuse generated from the work undertaken shall be placed in suitable receptacles and removed from site.

HORTICULTURAL ALIEN INVADER PLANT REMOVAL AND CONTROL AS WELL AS SELECTED LARGE TREES.

Environmental Management Services undertakes horticultural site maintenance and development of Rand Water sites, servitudes and properties. While undertaking the Horticultural site maintenance listed alien invader plants together with large exotic trees are identified for felling, removal and control.

OBJECTIVES OF THE WORK

- a) The aim is to appoint a Service Provider who will safely fell, remove and control identified alien invasive plants and selected large exotic trees.
- b) Adhere to legislation with regards to the removal and control of listed alien invader plant species.
- c) Protect Rand Water assets and infrastructure with the removal of selected large problematic trees.
- d) Protection of fence lines, buildings, reservoirs, reservoir embankments, valve chambers and associated infrastructure with the removal and control of trees growing in close proximity to these structures.

FELLING, REMOVAL AND CONTROL OF ALIEN INVADER PLANTS AND SELECTED LARGE EXOTIC TREES.

The felling, removal and control of listed alien invader plants and selected large trees is required on all Rand Water sites, servitudes and properties.

No.	Operational Area	RW Responsible section.
1	Rand Water - Rietvlei	EMS-Rietvlei. (Rudzani Mulea.)
2	Rand Water - Forest Hill Flats.	
3	Rand Water - Zwartkopjes Pumping Stations.	EMS-Zwartkopjes. (Wayne Borton.)
4	Rand Water - Palmiet Pumping Station.	
5	Rand Water - Eikenhof Pumping Station.	
6	Rand Water - Mapleton Pumping Station.	
7	Rand Water – Farm – Eikenhof.	
8	Rand Water - Nursery	
9	Rand Water – Emhlangeni – Zwartkopjes.	
10	Rand Water – Water Wise – Vereeniging.	EMS-Rehabilitation (Mukondeleli Maselesele.)
11	Rand Water – Analytical Services – Vereeniging.	
12	Rand Water – Process Technology – Vereeniging.	

13	Rand Water – Panfontein – Three Rivers	
14	Rand Water – Zuikerbosch Pumping Station.	ZKB-EMS (Hector Mashala.)
15	Rand Water – Vereeniging Pumping Station.	VRG-EMS (Lufuno Mulaudzi.)
16	Rand Water – Bulk Water Distribution – Depots & Servitudes.	BWS-EMS (Phanuel Ngobeni.)