

Table 1: List of possible plant species for use during rehabilitation of the Eskom Juno-Gromis Powerline Deviation site.

Family	Species	Transplanting/ seeding	Habitat	Annual/ Perennial
AIZOACEAE	Tetragonia fruticosa	Seeding	Sandy soil. Full sun.	Perennial
AIZOACEAE	Lampranthus suavissimus	Cuttings	Sandy/rocky soils. Full sun.	Perennial
AIZOACEAE	Conicosia elongata	Seeding	Well-drained soils.	Perennial
AIZOACEAE	Conicosia pugioniformis	Seeding		Perennial
AIZOACEAE	Drosanthemum luederitzii	Seeding		Perennial
AIZOACEAE	Mesembryanthemum guerichianum	Seeding / Cutting	Very poor, saline soils. Full sun.	Annual
AIZOACEAE	Mesembryanthemum crystallinum	Seeding	Saline soils. Full sun.	Annual
AIZOACEAE	Ruschia versicolor	Seeding / Cutting	Wide variety of arid habitats. Full sun.	Perennial
AIZOACEAE	Ruschia brevicyma	Seeding	Full sun to partial shade.	Perennial
AIZOACEAE	Ruschia bolusiae	Seeding	Soil types vary from quartzitic sandstone, calcareous soils, decomposed shale, clay soil, and deep sandy loams. Full sun.	Perennial
AIZOACEAE	Tetragonia virgata	Seeding		Perennial
AIZOACEAE	Psilocalon subnodosum		Sandy soils. Full sun.	Perennial
AMARANTHACEAE	Manochlamys albicans	Seeding	Wide range of soils. Full sun.	Perennial
ANACARDIACEAE	Searsia longispina	Transplanting/ sowing	Well-drained sandy soils.	Perennial
Apocynaceae	Microloma sagittatum	Sowing	Well-drained, loamy soil. Shade to full sun.	Perennial
Asparagaceae	Asparagus retrofractus	Transplanting/ sowing	Sandy, well-drained soil. Full sun to partial shade.	Perennial
Asteraceae	Didelta carnososa	Seeding	Sandy soils. Full sun.	Annual
Asteraceae	Didelta spinosa	Seeding / Cutting	Well-drained mixture of 2 parts sandy soil mixed with 1 part compost	Perennial
Asteraceae	Erioccephalus africanus	Seeding / Cutting	Full sun and well drained soils	Perennial

Asteraceae	Helichrysum herniarioides	Seeding		Annual
ASTERACEAE	Amellus capensis		Coastal dunes.	Perennial
ASTERACEAE	Oncosiphon grandiflorum	Seeding	Sandy and stony flats, as well as lower slopes	Annual
Asteraceae	Tripteris oppositifolia	Seeding	Dry, sandy, rocky ground; well-drained, loamy clay soil;	Perennial
Asteraceae	Eriocephalus racemosus	Cuttings/ Seeding	Well drained soil. Full sun.	Perennial
Asteraceae	Stoebe nervigera		Rocky ridges or flat areas	Perennial
Asteraceae	Nestlera biennis	Seeding	Sandy, well-drained soil. Full sun.	Annual
Asteraceae	Senecio arenarius	Seeding	Well-draining, growing medium. Sandy areas or on a sloped area, which allows for ample drainage.	Annual
Asteraceae	Oncosiphon suffruticosum	Seeding	Sandy, often coastal soils. Full sun.	Annual
ASTERACEAE	Helichrysum marmarolepis	Seeding		Annual
ASTERACEAE	Crassothonna floribunda	Transplanting/ Sowing		Perennial
ASTERACEAE	Crassothonna cylindrica	Cuttings	Dry rocky flats. Full sun / half shaded.	Perennial
Brassicaceae	Heliophila coronopifolia	Sowing	Full sun, well-drained soil.	Annual
CRASSULACEAE	Crassula expansa	Seeding	Semi-shade or shade in well-drained soil.	
CRASSULACEAE	Crassula umbellata	Seeding	Full sun.	Annual
CYPERACEAE	Ficinia argyropa	Seeding Divided by being broken apart at the rhizomes or stolons and planted individually.	Well-drained sandy mix with a good humic content.	Perennial
CYPERACEAE	Isolepis marginata	Seeding		Annual
FABACEAE	Calobota halenbergensis	Seeding	Well-drained sandy loam, rocky sandstone, gravelly or loose red sand.	Perennial

Fabaceae	Lebeckia multiflora	Transplanting/ Sowing	Well-drained soil and need water during winter in summer-rainfall areas.	Perennial
FABACEAE	Ifloga repens			Perennial
FABACEAE	Calobota spinescens	Seeding	Well-drained soil.	Perennial
GERANIACEAE	Pharnaceum confertum			Perennial
KEWACEAE	Kewa salsoloides	Seeding	Dry sandy and loamy lowland flats	Perennial
Lamiaceae	Salvia aurea	Seeding / Resprouting from its rootstock	Light, well-drained soil and full sun.	Perennial
MALVACEAE	Hermannia trifurca	Seeding	Sandy soil. Full sun.	Perennial
MALVACEAE	Hermannia cuneifolia	Seeding	Well-drained soil. Full sun.	Perennial
MALVACEAE	Hermannia disermifolia	Seeding	Well-drained soil. Full sun.	Perennial
MOLLUGINACEAE	Limeum africanum	Sowing		Annual
NEURADACEAE	Grielum grandiflorum	Sowing		Perennial
OXALIDACEAE	Oxalis pescaprae	Seeding / Corms	Good or bad soil, full sunshine or complete shade or semi-shade.	Perennial
POACEAE	Ehrharta brevifolia	Seeding		Annual
POACEAE	Ehrharta calycina	Seeding		Perennial
POACEAE	Karoochloa schismoides		Sandy soil.	Annual
POACEAE	Pentameris patula	Seeding		Annual
POACEAE	Chaetobromus Involcratus			Perennial
POACEAE	Stripagrostis obtusa	Seeding	Sandy soil. Full sun.	Perennial
POACEAE	Stripagrostis namaquensis	Seeding	Sandy soil. Full sun. River courses and loose gravels.	Perennial
POACEAE	Schismus schismoides	Seeding	Dry mountain slopes and sandy or gravelly coastal flats.	Annual
POACEAE	Pentameris airoides	Seeding		Annual
Restionaceae	Wildenowia incurvata	Seeding	Well-drained fynbos soil. Full sun.	Perennial
SCROPHULARIACEAE	Hebenstretia dentata	Sowing		Annual
SCROPHULARIACEAE	Manulea altissima	Seeding	Sandy flats and slopes.	Annual
SCROPHULARIACEAE	Lyperia tristis	Sowing		Annual
Solanaceae	Lycium ferocissimum	Transplanting/ Sowing	Dry, stony and sandy flats and slopes.	Perennial

ZYGOPHYLLACEAE	Zygophyllum morgsana	Seedling / Cuttings	Hill slopes, dry rivers, ridges, road verges, in coarse sandy soil, calcareous sand and brackish soil	Perennial
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It is recommended that a combination of seeding, plant translocation and topsoil replacement is undertaken to facilitate the establishment and return of similarity, species richness, and species diversity post-construction.

Sowing and transplanting of selected perennial species should be considered for achieving long-term revegetation goals.

References:

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