
LAND & RIGHTS PROCESS

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Route Selection Criteria

- Cadastral Boundaries
 - Proposed routes are aligned along property boundaries.
 - Other Land Rights must be considered.
- Physical Environment
 - Terrain (Natural Environment)
 - Accessibility: Construction & Maintenance
 - Preserving the natural environment
- Land Use:
 - Mainly agricultural (consideration of centre pivots)
 - Rapidly developing area
 - Large number of new businesses/ residential developments
- Existing Services
 - Distribution 11kV, 44kV & 132 kV power lines

Route Selection Criteria

- Economics
- Eskom subscribes to the “**The Public Finance Management Act (Act 1 of 1999 as amended by Act 29 of 1999)**” – Making Eskom accountable in the use of Public Funds)

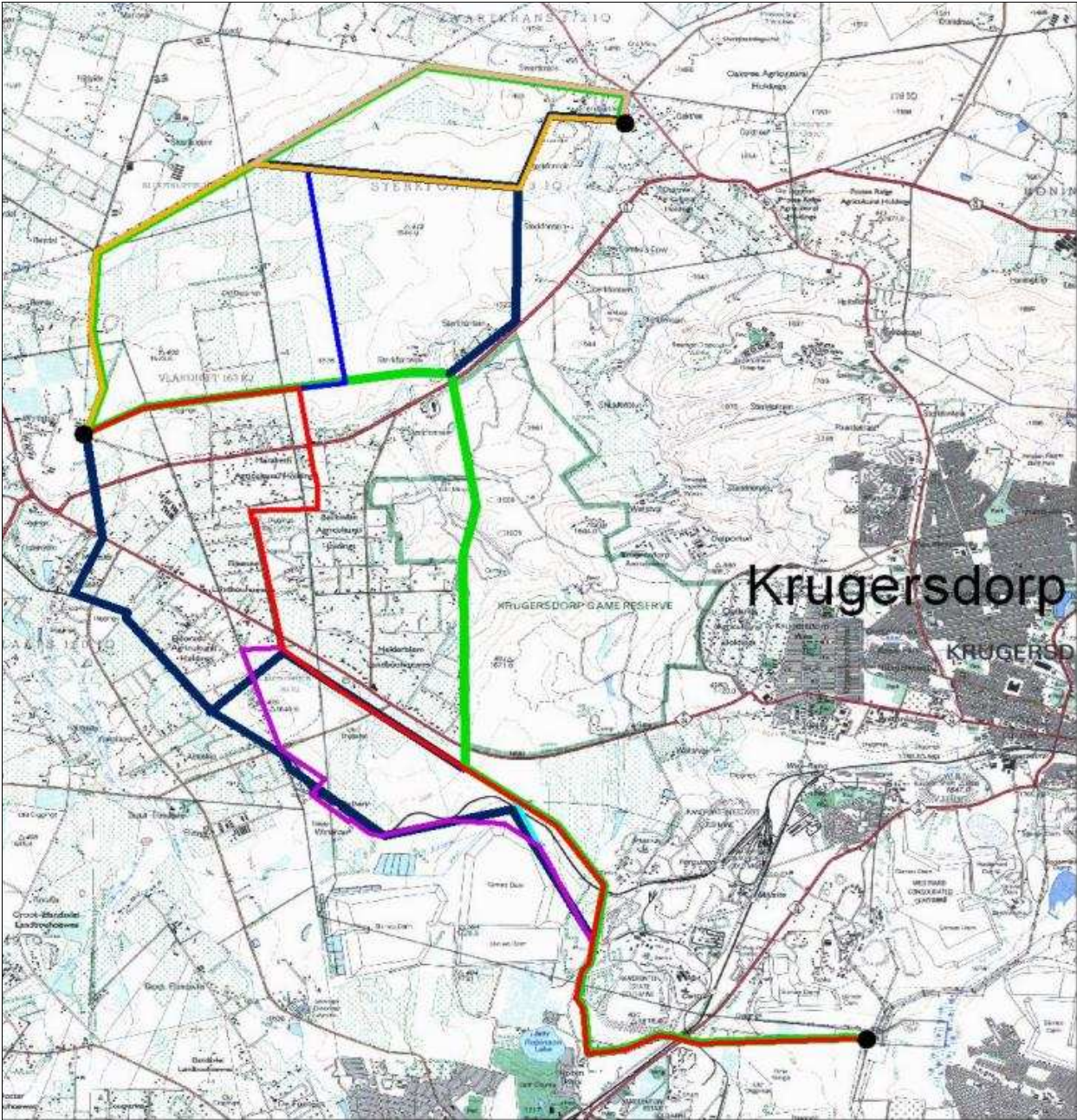
Rands per Kilometer of Line:

- Single line: R1,32 million per kilometre
- Double circuit line: R2.32 million per kilometre

Land Requirement

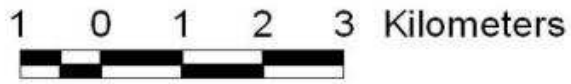
- A 132 kV powerline servitude is required to connect the Westgate, Tarlton and the Proposed Kromdraai Substations. As this is a ring circuit, two lines will exist within the servitude.
- New Substation Site +/- 6400m² (Kromdraai).
- Two lines – 52 m wide servitude

Westgate Tarlton Kromdraai 132 kV powerline project



Alternative_routes

-  1
-  2
-  3
-  4
-  5
-  6
-  7
-  8



Land Requirement continued

1. WESTGATE SUBSTATION – TARLTON SUBSTATION

- Preferred Route (Orange)
 - length 19.2 km (R89 million)
 - 19 affected properties
- Corridor 1.1 (Orange /Blue)
 - length 16.9 km (R78.4 million)
 - 22 affected properties
- Corridor 1.2 (Orange /Green/Blue)
 - length 17.76 km (R82.4 million)
 - 24 affected properties



2. TARLTON SUBSTATION– KROMDRAAI SUBSTATION

- Corridor 2 (Red)
 - length 10.2 km (R47.3 million)
 - 21 affected properties
- Corridor 2.1 (Orange /Blue)
 - length 10.5 km (R48.72 million)
 - 19 affected properties
- Corridor 2.2 (Red/Green/Blue)
 - length 9.9 km (R45.9 million)
 - 21 affected properties



Route

- Preferred Route affects large farm portions
- Partially runs along existing Eskom servitude
- Route determined by positioning of the proposed Kromdraai substation
- Substation position most suitable at the load centre .

Servitude Acquisition

- Principles of compensation
 - Independent Valuer appointed once an EIA approval (ROD) has been obtained
 - Comparative Market Value
 - Individual negotiation with land owners
- Registration
- Payment on registration of servitude

Thank you