



KWAXOLO WATER SCHEME: BULK WATER SUPPLY



BACKGROUND

- ▶ KwaXolo Area is located under Ugu District Municipality which is 30km South West of Port Shepstone,
- ▶ The project has a duration of 24 months.
- ▶ The project comprises of three contracts
 - ▶ 1. Construction of Hannover Pump station
 - ▶ 2. Construction of 450mm Diameter Suction Line and 400mm Diameter Rising Main to new Florida reservoir
 - ▶ 3. Construction of 5ML Concrete Reservoir
- ▶ All three contractors have reach practical completion stage

PROFFESIONAL TEAM

- ▶ Main Contractors
 - Hannover Pump station – Amangqamqeshe JV
 - Rising main – Thubalam Trading
 - Concrete Reservoir – Zamisanani Projects
- ▶ Sub contractors
 - Mavico Trading
- ▶ Social Facilitator
 - Verve Consulting



HANNOVER PUMPSTATION PROGRESS

- ▶ Construction of the pump house has been complete
- ▶ Installation of the Pump and motors has been complete
- ▶ Fittings have been installed
- ▶ MCC Panel and connection of electricity outstanding



SUCTION LINE AND RISING MAIN PROGRESS

- ▶ Construction of the suction line complete
- ▶ Construction of the rising main complete
- ▶ Fittings have been installed
- ▶ Connection of the suction line to the pump station and connection of the pump station to the rising main outstanding



5ML CONCRETE RESERVOIR

- ▶ Construction of the reservoir complete
- ▶ Construction of the inlet outlet chamber complete
- ▶ Fittings have been installed
- ▶ Water testing still outstanding
- ▶ Connection of the rising main to the reservoir still outstanding



Civil Services Progress

- ▶ Reservoir structure - 1 no
- ▶ Minor structures - 1 no
- ▶ Pump house - 1 no
- ▶ Pipe work - 3800 m
- ▶ Air Gate and Isolation valve chambers – 9 no
- ▶ Centrifugal pumps - 2 no
- ▶ Contractors are finalizing the connections
- ▶ Then testing and commissioning of the system

Financials (Top structures & Civils Services)

▶ Sub Contractors	R 5 200 000.00
▶ Labour (60 Labour)	R1 295 355.36
▶ Grand Total	R46 533 870.45
▶ Expenditure to date	R 42 450 088.65
▶ Remaining Balance	R 4 083 781.81

Challenges

- ▶ Installation of the MCC panel is delaying and this contribute delays on Eskom's power connection
- ▶ Additional work required on the Rising main is the connections which includes both bulk meter chamber and a bulk meter. .
- ▶ Hard Rock encountered on the outlet chamber of the reservoir
- ▶ Reservoir outlet connection is dependent on other contract that have not be completed yet

Project Photos

