



# **ST HELENS ROCK PUMP STATION REFURBISHMENT OF HIGH LIFT PUMPS,LIFTING EQUIPMENT , REPLACEMENT OF AGEING INFRASTRUCTURE (LOW LIFT PUMPS)**

**NCOP SITE VISITS**

**Date: 16 NOVEMBER 2022**

# REFURBISHMENT OF ST HELENS ROCK

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6. Focus on **UMZUMBE LOCAL MUNICIPALITY**
7. Focus on **UMUZIWABANTU LOCAL MUNICIPALITY**

## **OVERVIEW – MASSIFICATION GRANT**

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COGTA KZN, through the Accelerated Water Intervention Program (AWIP), made funds available to drill and equip production boreholes in areas across Kwazulu-Natal (KZN) to alleviate the water backlogs experienced in certain areas.

This intervention program initiated by COGTA KZN was developed to assist municipalities with challenges of water through its equitable share received from KZN Provincial Treasury.

Ugu District Municipality (UDM) is one of the Water Services Authorities (WSA) in the Province benefitting from this initiative.

UDM consist of four local municipalities namely:

1. Ray Nkonyeni
2. Umdoni
3. Umzumbe
4. Umuziwabantu

## OVERVIEW – MASSIFICATION GRANT

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uGu District Municipality has been experiencing water supply interruption challenges within the Ray Nkonyeni Operational area due to water infrastructure breakdown at St Helen's Rock Raw Water Pump station. St Helen's had series of breakdowns since beginning of 2021 due to electrical switch gear damage during lightning strike, a week of Eskom load shedding, recent faulty on the duty switch gear unit on High lift pump High Voltage panel and low lift pump breakdown.

### Infrastructure

COGTA KZN provided funding of R15 300 000.00 through Massification Grant to optimise the Pump station

## THE PROJECT – SCOPE OF WORKS

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The scope of work for this program included the following:

- Servicing and Repair of 2No. Of High Voltage switch gear Panel for Big High Lift Pumps
- Overhauling of High Lift Pump No.4
- Servicing of High Lift 1,2 and 3
- Overhauling of 4 No. of Low-Lift Pumps while awaiting new Generation Low lift Pumps .
- Supply , delivery and installation of New Generation Low Lift Pumps including Modification of base plates and Housing and new MCC Panels for Low lift .
- Repairs to leaking Bulk Line( 900mm)
- Servicing of Lifting Equipment including safety certification of the Lifting Equipment

## UDM – PROJECT STATUS

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% Completion: 91%

%Expenditure : 94%

### WORK UNDERTAKEN:

- Switch Gear on High Voltage Panel Completed
- Leaking Gasket completed on 900mm Pumping main
- Lifting Equipment completed
- Low Lift Pumps Overhaul

### OUTSTANDING WORK:

High Lift No.4 Installation – The OEM to deliver Overhauled Pump on the 30<sup>th</sup> November 2022 with installation in the 1<sup>st</sup> Week of December 2022.

New Generation Low-Lift Installations- Pumps have been purchased and OEM has had pumps cleared from customs – Installation to commence from 1<sup>st</sup> December . Pressure testing to be carried out off-site on the 28<sup>th</sup> November 2022.

## **UDM – BENEFITS OF THE PROJECTS**

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On Completion of the Project , the following wards will benefit :

- Ward 3,5,6,12,13,14,15,16,17,18,19,20-28

Other Benefits :

- Security of Water Supply in the Ray Nkonyeni Area
- Renewal of ageing infrastructure by improving efficiency in the supply .

# UDM – BENEFITTING WARDS

