



# GREENFUSION TECHNOLOGIES LIMITED

Main Office: Njengi House, P.O. Box 102421 -00100 Nairobi  
Tel: +254 704 746 927  
Email: greenfusiontechnologiesltd@gmail.com

## REPORT ON SERA SANCUARY WATER WORKS

### ❖ INTRODUCTIONS.

01/12/2025 We attended to Lchosowang new well for motor replacements and 9-1 spectra desalination plant servicing and assessment for Lontopi B/ New well

### ❖ SCOPE:

#### 1. Motor replacements

Purchase and supply of Pedrollo motor 1.1kw 1phase 1.5hp, 1.5mm dual landed cable 10m, ppr fitting and installation sundries for motor installation, programming of the control panels, tested ok and commissioned.

#### 2. Servicing of 9-1 Desalination plant

Purchased and supplied pH- and pH+ solutions for servicing the machine. Unfortunately, the system 9-1 team continued to operate the unit despite our clear instruction to stop until servicing was completed, stating that they had no alternative due to operational needs. Continued operation in this condition resulted in damage to the piston chamber, which in turn exerted excess pressure on the membrane. We subsequently dismantled the system to assess the extent of the damage and confirmed that the membranes were also partially damaged.

#### 3. Assessment of the Lon Topi B/new well.

The well had sufficient water and there are sign of quick recharge rate due to the flowing water adjacent to the shallow well.

### ✓ Observation.

- 65M 6.0mm and 1.5mm armoured cables missing hence there is need for replacement.
- The system has no control system i.e pv -switch and hybrid sunveter.
- The system has got no pump and motor hence there is need for one

*Our Services: Borehole Services, Water Pumps, Solar Solutions, Generators, Swimming Pools and General Construction*

# GREENFUSION TECHNOLOGIES LIMITED



Main Office: Njengi House, P.O. Box 102421 -00100 Nairobi  
Tel: +254 704 746 927  
Email: greenfusiontechnologiesltd@gmail.com

- Plumbing works as intact just few adjustments needed
- Solar structure is ok with all 12 solar panels working ok.
- The shallow well is in good condition

#### ❖ Recommendation

- We can source spare parts from one of the damaged stored plants at Lewa store to repair the system.
- The plant to be repaired should serve the teams on temporary basis giving room for long term method.

Increase in number of the teams has raised the demand for access to clean drinking water, hence overworking the machine reducing its life span.

#### ❖ Photos evidence



Boxed pedrollo motor



Unboxed pedrollo motor



10 m Londex cable for sensor.

# GREENFUSION TECHNOLOGIES LIMITED



Main Office: Njengi House, P.O. Box 102421 -00100 Nairobi  
Tel: +254 704 746 927  
Email: greenfusiontechnologiesltd@gmail.com



Well probe sensor



Slicing kit and installation sundries



PH- AND PH + SOLUTIONS



WATER FLOWING INTO THE PAN



CLEANING OF THE  
DELINATION PLANT



PHOTO FOR THE BOKEN  
PISTON.

*Our Services: Borehole Services, Water Pumps, Solar Solutions, Generators, Swimming Pools and General Construction*

# GREENFUSION TECHNOLOGIES LIMITED



Main Office: Njengi House, P.O. Box 102421 -00100 Nairobi  
Tel: +254 704 746 927  
Email: greenfusiontechnologiesltd@gmail.com

Greenfusion Technologies Limited  
Delivery Note  
Date: 04/12/2025

Quantity	Description
1	1.5 Kw 1-5 Hp Submotor (Set)
1	Splicing Kit (Cable Joint)
1	Well Jumbo Pump
2	PH-Meter @ 2.5 Ltrs
2	PH-Plus @ 2.5 Kg
1	Installation Package
	Pipe Fittings 1/2 Gal Corros, PPR, PPR
	PPA Male Adapter

009  
GOODS RECEIVED IN GOOD CONDITION  
Received by: JAMES ODHIAMBO

## DELIVERY NOTE

**NAME:**  
**CAMPANY NAME:**  
**ADRESS:**  
**DATE:**

**KENNEDY ODHIAMBO**  
**GREENFUSION TECHNOLOGIES**  
**GREENFUSION.2050@GMAIL.COM**  
**04/12/2025**

*Our Services: Borehole Services, Water Pumps, Solar Solutions, Generators, Swimming Pools and General Construction*