

WRAC/KBC/40195 (TFR/2023/05/0006/30144/RFQ)

FOR THE REPAIR OF CHARGERS, INVERTERS AND RECTIFIER MODULES AT UPINGTON

ANNEXURE A

PLEASE SEE ATTACHED THE FULL
SPECIFICATIONS



Repair of inverters and chargers

The currently installed chargers and inverters are PENBRO KELNICK chargers and invertors with the following nameplate ratings:

- **Inverter:**
 - **INPUT:**
 - Voltage: 110V DC
 - Current: 66 A
 - Phase: 1
 - Frequency: 50 Hz
 - Ambient temperature: 50 °C
 - **OUTPUT:**
 - Voltage: 220V AC
 - Current: 27.3 A
 - Load: 6 KVA
 - Rating: continuous
- **Charger:**
 - **INPUT:**
 - Voltage: 220V AC
 - Current: 58 A
 - Phase: 1*
 - Frequency: 50 Hz
 - Ambient temperature: 50 °C
 - **OUTPUT:**
 - Voltage: 110V DC
 - Current: 75 A
 - Load: 60 A unreg
 - Rating: continuous

The supplier will have to come and repair these chargers and inverters on site.



Repair of rectifier modules

The currently installed rectifier modules are PENBRO KELNICK rectifier modules with the following nameplate ratings:

- **Small charger/rectifier module:**
 - **INPUT:**
 - Voltage: 230 V
 - Current: 11 A
 - Phase: 1
 - Frequency: 50 Hz
 - Ambient temperature: 40 °C
 - **OUTPUT:**
 - Voltage: 122.6 V / 108 V
 - Current: 15 A
 - Load:
 - Rating: continuous

Arrangements will be made for the 14 rectifier modules to be sent to the supplier for repairs