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|-----------------------|--|------------------|--|
| COMPANY: | Trinity Metals obo Rutongo Mines | DATE: | 11 April 2025 |
| ATTENTION: | Ronald Toledo | QUOTE NO: | QN25000252 Rev 1 |
| E-MAIL: | ronald.toledo@trinity-metals.com | CC: | Mphob@multotec.com |
| CLIENT ENQ NO: | Dewatering Cyclone | | |

Dear Ronald,

We thank you for your enquiry e-mailed to us on the 02nd of April 2025 and take pleasure in submitting our revised budget quotation for your consideration.

As requested by the client; mass balance is revised, pressure gauge and commissioning vortex finders are added to the scope.

This proposal is for Tin dewatering application. A standalone cyclone with a diameter of 75mm was sized and selected based on the following given process feed conditions:

Solids SG: 3.95 t/m³

Cyclone Feed Solids rate: 1.38 tph

Cyclone Feed Slurry: 4.45m³/h

Cyclone Feed Solids Concentration: 25.2% w/w

Feed PSD

The cyclone is expected to operate at 70kPa achieving an estimated D50c cut point of 11µm. A mass split of 99.86% and 82.84% solids(w/w) is achieved to the cyclone underflow based on the given feed PSD.

| Description | Qty. | Unit Price USD | Total Price USD |
|---|------|----------------|-----------------|
| FC75-5-0/A-D/8 (7-HS) c/w Standard 180° PVC OE | 1 | \$ 476 | \$ 476 |
| Commissioning Spigots – one size smaller (7-HS/6-A) | 1 | \$ 64 | \$ 64 |
| Commissioning Spigots – one size larger (7-HS/10-A) | 1 | \$ 62 | \$ 62 |
| Commissioning Vortex Finders – 7-V/B-APE | 1 | \$ 116 | \$ 116 |
| Commissioning Vortex Finders – 7-V/C-APE | 1 | \$ 114 | \$ 114 |
| 40PGA.MSRG Pressure Gauge Adaptor | 1 | \$ 74 | \$ 74 |
| 0-400 KPA, Slotted Pressure Gauge | 1 | \$ 384 | \$ 384 |
| Transport (Airfreight) | LOT | \$ 527 | \$ 527 |
| Grand Total (CPT, Rutongo Mines Rwanda, Packed & Excl VAT) | | | \$ 1,817 |

The GA drawings included are for reference only and should not be used for design detail purposes.
Lead time



The production lead time is 12 working weeks, and an additional 1 working week will be required for the submission of GA drawings and QCP's to the client for approval, this is calculated from receipt of official order and finalization of all commercial and technical details. The total lead time will be 13 working weeks plus additional time taken for the customer to approve the drawings and QCP's, this is subject to the Company's Drawing Office and factory workload.

Other Multotec equipment that can be supplied into the processing flowsheets and other commodities include:

- Spirals
- Pipe Launderers
- Samplers
- Screen panels and media
- Spray nozzles
- Wear solutions
- Mill and Scrubber liners
- Conveyor belt accessories
- Sensor Technology
- DMS cyclones and densifiers
- Pumps
- Flotation rotors and stators
- Hi-frequency screens
- Centrifuges -chemical industry

PLEASE NOTE:

- Please note the quote is for budget purposes only.
- Multotec terms and Conditions apply for this proposal. Please request a copy of the T & C's should you require them.

We trust that the above meets with your approval and should you require any additional information, please do not hesitate to contact us.

Kind Regards

MULTOTEC PROCESS EQUIPMENT (PTY) LTD

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Multotec Process Equipment (Pty) Ltd



Client: Trinity Metals
 Application: Dewatering
 Feed Condition: **NOMINAL**
 Equipment Number: TBA
 Cyclone Type: FC75-5-0/A-D/8 c/w standard 180 PVC OE
 Distributor Type: Stand alone
 Spigot Series : 7-HS Standard
 Installation: Vertical
 Cyclones, on line: 1
 Cyclones, standby: 0
 Distributor Outlets, blanked off: n/a
 Estimated D50C Cut Size: 11 micron
 Viscosity: 1 centipoise
 Operating Pressure: 70 kPa
 Solids SG: 3.95 α Water : 6.96%

| MASS BALANCE: | Feed | Underflow | Overflow |
|---------------|---------|-----------|----------|
| Solids SG: | 3.95 | 3.95 | 3.95 |
| Solids t/hr: | 1.38 | 1.38 | 0.00 |
| Solids m3/hr: | 0.35 | 0.35 | 0.00 |
| Percent Split | 100.00% | 99.86% | 0.14% |
| Liquid SG: | 1.00 | 1.00 | 1.00 |
| Liquid t/hr: | 4.10 | 0.29 | 3.82 |
| Liquid m3/hr: | 4.10 | 0.29 | 3.82 |
| Percent Split | 100.00% | 6.96% | 93.04% |
| Pulp RD: | 1.23 | 2.62 | 1.00 |
| Pulp t/hr: | 5.48 | 1.66 | 3.82 |
| Pulp m3/hr: | 4.45 | 0.63 | 3.82 |
| Percent Split | 100.00% | 14.25% | 85.75% |
| % Solids w/w: | 25.18 | 82.84 | 0.05 |
| % Solids v/v: | 7.85 | 55.00 | 0.01 |

V27.5 TEST Beta

Prepared by Mpho: 04 April 2025

Dewatering
 Particle Size Distribution:

| Size Microns | Cumulative % Passing | | | Uncorrected Tromp Curve |
|-----------------|----------------------|-----------|----------|----------------------------|
| | Feed | Underflow | Overflow | |
| 1000 | 100.0 | 100.0 | 100.0 | 100.0% |
| 1000 | 100.0 | 100.0 | 100.0 | 100.0% |
| 1000 | 100.0 | 100.0 | 100.0 | 100.0% |
| 1000 | 100.0 | 100.0 | 100.0 | 100.0% |
| 1000 | 99.9 | 99.9 | 100.0 | 100.0% |
| 500 | 84.9 | 84.9 | 100.0 | 100.0% |
| 300 | 56.0 | 55.9 | 100.0 | 100.0% |
| 250 | 33.3 | 33.2 | 100.0 | 100.0% |
| 125 | 12.9 | 12.8 | 100.0 | 100.0% |
| 100 | 7.0 | 6.9 | 100.0 | 100.0% |
| 75 | 4.1 | 4.0 | 100.0 | 100.0% |
| 53 | 2.3 | 2.2 | 100.0 | 100.0% |
| 38 | 1.4 | 1.3 | 100.0 | 100.0% |
| 25 | 0.6 | 0.5 | 99.8 | 100.0% |
| 10 | 0.1 | 0.0 | 61.4 | 89.1% |

Overflow P98: 24 micron

V27.5 TEST Beta

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