

**TWIGA**  
Minerals Corporation Limited

**BARRICK**  
BULYANHULU

**Advertisement**

**REQUEST FOR QUOTATION  
BUL-RF0-25-01-01 - SUPPLY OF 2.0mm HDPE LINER FOR TSF  
RETURN WATER POND No. 02**

Bulyanhulu Gold Mine ("the Company"), a fully owned subsidiary of Twiga Minerals Corporation, which is ultimately owned by Barrick Gold Corporation and the Government of the United Republic of Tanzania requests the submission of Quotes from reputable, experienced, certified, and qualified parties to provide the following:

**Liner types and specifications:**

• **GSE HD STD Smooth 2.0mm HDPE Liner, Quantity = 147,966 sqm**

Properties	Unit	Test Method	Test Frequency	Min Average Values
<b>Thickness Minimum Avg.(a)</b>	mm	ASTM D5199	Every roll	2.00
<b>Thickness Minimum</b>	mm	ASTM D5199	Every roll	1.80
<b>Resin Density</b>	g/cc	ASTM D1505	One per batch	> 0.932
<b>Melt Index - 190°C/2.16 kg (max)</b>	g/10 min	ASTM D 1238	One per batch	1.0
<b>Density</b>	g/cm <sup>3</sup>	ASTM D 792	Every 10 rolls	≥0.940
<b>Carbon Black Content</b>	%	ASTM D 4218	Every 2 rolls	2.0 - 3.0
<b>Carbon Black Dispersion</b>	category	ASTM D 5596	Every 10 rolls	Cat.1 / Cat.2
<b>OIT Standard (min. Avg.)</b>	minutes	ASTM D 3895	One per batch	100
<b>Tensile Properties - Minimum Avg. (2)</b>				
Yield Strength	kN/m	ASTM D 6693	Every 2 rolls	31
Yield Elongation	%			13
Break Strength	kN/m			57
Break Elongation	%			700
<b>Tear Resistance - Minimum Avg.</b>	N	ASTM D 1004	Every 5 rolls	250
<b>Puncture Resistance - Minimum Avg.</b>	N	ASTM D 4833	Every 5 rolls	695

<b>Dimensional Stability</b>	%	ASTM D 1204	Certified	±2
<b>Stress Crack Resistance (SP-NCTL)</b>	Hours	ASTM D 5397	One per batch	500
<b>Oven Aging - % retained after 90 days</b>		ASTM D 5721		
Standard OIT (min. avg.)(7)	%	ASTM D 3895	Per formulation	55
High Pressure OIT (min. avg.)(7)	%	ASTM D 5885		80
<b>UV Resistance - % retained after 1600 hrs</b>		ASTM D 7238		
High Pressure OIT (min. avg.)	%	ASTM D 5885	Per formulation	50
<b>Low Temperature Brittleness</b>	°C	ASTM D 746	Certified	-77

1. Testing frequency based on standard roll dimensions and one batch is approximately 180,000 lbs (or one railcar).
2. Machine Direction (MD) and Cross Machine Direction (XMD or TD) average values should be on the basis of 5 specimens each direction.
7. The manufacturer has the option to select either one of the OT methods listed to evaluate the antioxidant content in the geomembrane.

#### Key documents

- Clear and detailed Quotation.
- Company registration documents i.e. Certificate of incorporation, business license, TIN, VRN, Tax Clearance Certificate etc.
- BRELA detailed search document indicating Tanzanian ownership percentage to determine classification as an Indigenous Tanzanian Company as per the Local Content Regulation, 2018.
- Applicable certification, accreditation, affiliated registrations, and letter of dealership as required. Approved Local Content Plan or acknowledgement of submission from the Mining Commissioner.

#### Submission of Quotes

Please submit your quotes via email to [bulytender@barrick.com](mailto:bulytender@barrick.com).

The reference **"BUL-RF0-25-01-01 - SUPPLY OF 2.0mm HDPE LINER FOR TSF RETURN WATER POND No. 02"** must be quoted in the subject line of the email.

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**Key Dates**

Last date to submit quotes: **25<sup>th</sup> February 2025**

**Bulyanhulu Gold Mine Limited**