



## TECHNICAL TASK for the purchase of filtration equipment.

### 1. Purpose and quantity

The equipment is designed for filtering thickened flotation tailings for further dry storage, obtained during the enrichment of copper gold ores.

Filters with accessories with automatic control system.

The number of equipment is determined based on the performance of the Porcess Plant.

### 2. Scope

Filtration of enrichment products. The starting material is the thickened product of flotation tailings.

### 3. Requirements for the supplier

The equipment supplier is the manufacturer or official representative of the equipment.

### 4. Specifications

#### 4.1. Initial data

#	Name	Units measurements	Quantities
1	Process plant throughput	t / year	2 500 000
2	Working hours	hour/year	8 585
3	Tailings Mass Pull	%	98
4	Tailings Mass Pull	t / year	2 450 000
5	Tailings Mass Pull	t / h	285
6	Coefficient of unevenness		1.15
7	Tailings Mass Pull considering coefficient of unevenness	t / h	328
8	Plant's need for recycled water	m <sup>3</sup> / hour	1000
9	Plant's demand for fresh water	m <sup>3</sup> / hour	one hundred
10	Solid content in clarified water	g / l	0.2
11	Solid content in the thickened product of flotation tailings	%	55 - 60
12	Specific gravity of solid	t / m <sup>3</sup>	2.9

RMG Copper	TECHNICAL TASK for the purchase of filtration equipment	date of	
Executive director's office		Version TK No.	1
		Total Pages	3
		Page	2

#### 4.2. Particle size distribution of flotation tailings

Size class $\mu\text{m}$		%
500	200	7.9
200	140	10.35
140	100	7.05
100	71	7.9
71	44	9.4
44	0	57.4
<b>Total</b>		<b>100</b>

#### 5. Dimensions

Determines provider based on installation performance.

#### 6. Terms of the warranty period

The warranty period is 12 months from the date of commissioning of the equipment.

#### 7. List of required documentation

The Supplier provides the Customer with technical documentation for the equipment supplied in the following volume and terms:

#	Documentation	Delivery term
1	Instructions for use, maintenance	With equipment
2	Repair and Troubleshooting Instructions	With equipment
3	Drawings for wear parts	With equipment
4	Equipment passport	With equipment
5	Electrical circuits	With equipment

#### 8. Packing Requirements

The equipment must be prepared for transportation, taking into account the requirements of the standards of the State Railways and Russian Railways, as well as the rules for the transportation of vehicles on the federal roads of Georgia and Russia.

#### 9. Involvement of sub-suppliers

Allowed by agreement with the Customer.

#### 10. Delivery conditions

Goods to be delivered as DDP to railway station Kazreti, Georgia.