

APPROVED

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TECHNICAL SPECIFICATION

Procurement of a Centralized Industrial Dust Collection System for the Geological Sample Preparation Laboratory

1. Procurement Object

This Technical Specification defines the minimum technical requirements for the procurement of a centralized industrial dust collection system for the Geological Sample Preparation Laboratory of the Berthakari Mine, RMG Auramine LLC.

2. Scope of Application

The system shall be intended for the efficient collection and filtration of stone and mineral dust generated within the working area of the Geological Sample Preparation Laboratory.

3. Scope of Procurement

1. Centralized industrial dust collection system.
2. All major components required for the operation of the system.

4. Responsibilities of the Client and the Supplier

4.1 Responsibilities of the Client

1. Prepare the installation site in accordance with the technical requirements provided by the Supplier.
2. Provide electrical power to the installation point.
3. Provide compressed air required for system operation.

4. Provide supporting personnel during installation.

5. Provide lifting equipment when required.

4.2 Responsibilities of the Supplier

1. Provide in advance all technical requirements, engineering parameters, dimensions and other necessary information for the installation site.

2. Provide technical passports, installation drawings and other technical documentation to the Client.

3. Perform the complete engineering design of the industrial dust collection system.

4. Supply the complete system.

5. Carry out complete installation of the system.

6. Perform commissioning, testing and start-up of the system.

7. Provide theoretical and practical training for laboratory personnel on the safe operation, use and maintenance of the system.

8. Provide a list of recommended spare parts together with their delivery times.

9. Provide technical support and consultation during the warranty period.

5. Technical Requirements

No.	Parameter	Requirement
1	System Type	Centralized industrial dust collection system
2	Purpose	Collection of stone and mineral dust generated during geological sample preparation
3	Total Capacity	Not less than 8,000 m ³ /h
4	Filtration System	Cartridge filter or equivalent technology with an automatic pulse self-cleaning system, the design of which ensures efficient filter cleaning.
5	Operating Mode	Batch operation
6	Maintenance	Safe and easy access to filters and maintenance areas.
7	Construction	Heavy-duty industrial construction.
8	Dust Type	Dry, highly abrasive mineral dust.
9	Power Supply	380 V / 50 Hz / Three-phase.
10	Warranty	Minimum 12 months.
11	Compliance with Standards	CE Certificate or equivalent conformity document.
12	Safety System	Required.
13	Technical Documentation	Technical passport, operation manual and conformity certificates.
14	Condition	New, unused and factory-manufactured.
15	Installation Location	Suitable for outdoor installation.
16	Corrosion Protection	The steel structure shall be protected with an anti-corrosion coating and painted with industrial paint suitable for outdoor service.
17	Clean Air Quality	Residual dust concentration in the cleaned air shall not exceed 20 mg/m ³ .

Prepared by

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