

## BARITE

### 1. Introduction

Bolan Mining Enterprises (BME), is a 50:50 joint venture between Government of Balochistan (GOB) and Pakistan Petroleum Limited (PPL). BME involved in Mining, Grinding and Sales/Marketing of Drilling Grade Barites powder (200 mesh size) to meet the requirement of mainly oil and gas drilling companies of Domestic and Global Market.

BME has its own barite mines (approximately 5.00 M. Tonnes reserve) and also has its own following grinding mills, for grinding ore extracted from mines.

### 2. Distributor in North America

Appex International Corp is one of the distributor in north America .

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### 3. Quality of Bolan Barite

#### i) Powder

BME is authorized by American Petroleum Institute (API) to use official monogram of API on Bolan Barite under License No.13-A-0028.

The Bolan Barite properties, strictly conform, rather surpasses API 13-A Specs of American Petroleum Institute (API), a world over quality bench mark for the drilling grade Barite, which is also indicative of BME's quality product. Barite Powder is available in 200 mesh size with the retention of 3.0 weight percent. The moisture contents would be < 5%. Comparison of API Specification 13-A and Bolan Barite is as under:

REQUIREMENT	API 13-A SPEC.	BME
Density	4.20 g/cm <sup>3</sup> ,	Min. 4.22 g/cm <sup>3</sup>
Water Soluble alkaline Earth metals as calcium .	250 mg/kg,	Max. 200 mg/kg
Residue greater than 75 Micron maximum	3.0 Weight Percent,	2.2 Weight Percent.
Particles less than 6 Micron in equivalent Spherical diameter.	30 Weight Percent,	20 Weight Percent.

#### ii) Ore

Ore/Lump is available in brownish to gray color, the barium contents are 80%-95% and density ranges from 4.20 to 4.25 g/cm<sup>3</sup>.

### 3. Quality Assurance:-

BME has its own API certified quality control laboratory for testing & analysis of barite powder and barite ore. Customers can also arrange testing/analysis of barite powder and

ore from any reputable laboratory at their own cost in the Pakistan which is also acceptable to BME, however, in this connection, copy of the Standard Operating Procedure developed for testing and analysis of barite powder and ore will be provided to BME for verification/acceptance. No dispute regarding quality will be entertained after dispatch of the barite powder from Mill Site and barite ore from Mine Site Khuzdar.

#### **4. Bolan Barite Safety Data Sheet (SDS)**

BME has a registered Safety Data Sheet on Bolan Barite. Copy of SDS can be provided if required at the time of consignment ready to ship/deliver.

#### **5. Packing**

- i) BME will provide the barite powder in packing of 1 tonne capacity Jumbo Bag (one time used bag) with inner liner, duly printed BME/API Monogram on it.
- ii) Bolan barite ore lumps may be provided in loose form (size 0" - 12"). The weight of barite ore from weighbridge agreed by both the organization at Khuzdar/loading point will be final.

#### **6. Selling Point of Barite Powder & Barite Ore:**

- i) BME sell Barite Powder at Ex-Mill Khuzdar.
- ii) BME sell Barite Ore at Ex-Mine Khuzdar.

#### **9. Delivery of Material:**

- i) Powder

BME can deliver 2,000-3,000 tonnes per month subject to confirm purchase order along with advance payment at least one month prior lifting of material.

- ii) Ore/Lumps

BME can deliver 4,000-6,000 tonnes per month subject to confirm purchase order along with advance payment at least one month prior lifting of material.

#### **7. Consumption/Utilization of Barite Ore/Lumps:**

It is not permissible to grind/sell the barite ore/lumps purchased from BME within Pakistan. The barite ore/lumps purchased from BME is only for export and the customer will provide as an evidence the copy of Bill of Entry (Goods Declaration Certificate) for each consignment to BME.

#### **8. Loading and Unloading of Barite Powder and Barite Ore:**

- i) Loading of the Barite Powder at BME Mill Site Khuzdar, shall be the responsibility of BME while unloading of the same at the destination shall be the customer's responsibility.
- ii) Loading/unloading of the Barite Ore at BME Mine Site Khuzdar at the destination shall be the customer's responsibility.

#### **9. Freight Charges:**

- i) The transport will be arranged by the customer for transportation of Barite Powder from BME Ex-Mill and Barite Ore from Ex-Mine Site Khuzdar.
- ii) BME may facilitate customer in obtaining quotations for transportation of barite powder and barite ore from transport contractors at Quetta/Karachi for transportation of material to different location at Pakistan. Freight charges upto the destination will be paid directly to the transport contractors by the customers as per terms and conditions of the quotation.