

PROFILE OF MINING CONCESSION DISTRICT MIANWALI



DIRECTORATE GENERAL MINES AND MINERALS PUNJAB

Profile Summary

Lease Title	ML-MLI-Celestite-Khairabad-2
Mineral	Khairabad
Reserve Status	Proved.
Acreage	299.38 acres
Location	Near Khairabad, District Mianwali.
Proposed base price	Rs. 40,00,000/-

TECHNICAL DATA

a. Area description

The area fall on the back side of the leases granted to the Mapple Leaf. The said area is approachable from the Gullen Khel to Factory to the lease area.

b. Previous Prospecting / Development in the area

The area is virgin and adjacent to the already expired celestite block where a new celestite block has been proposed with reserve price of Rs. 40,00,000/-

c. Present status of the area

The area of the subject block of Celestite is available for Open Auction as Mining lease under Rule-187 of the Punjab Mining Concession Rules, 2002.

d. Future Prospects of the area with respect to its geology

Celestite of commerce de a massive mineral, coarsely crystalline, fibrous, bladed, vary fine-grained or earthy in texture. The color varies greatly with the nature of the impurities. Distinctive characteristics are insolubility in acids, high density and crimson strontium flame. Celestite near Khairabad occurs in irregular veins of undetermined thickness and as nodules over an interrupted length of a mile or so. The mineral is lied in few feet wide, closely associated with the massive gypsum of post-nummulitic age, and overlapped by Siwalik (Chingis) (C.S.P). The Celestite vein is tightly "Frozen to the walls of limestone, medium to hard thus making the quarrying operations quite difficult and expensive. The area has exposure of Nammal Sakasar Formation.

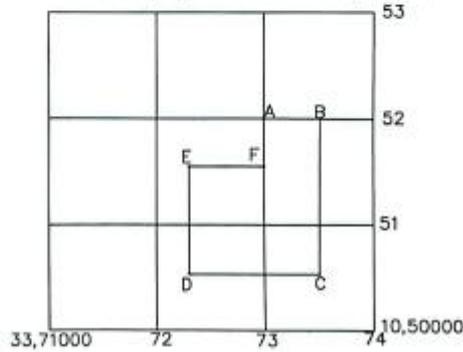
e. **Geographical Information (Coordinates)**

PLAN SHOWIN THE AREA OF MINING LEASE FOR
CELESTITE NEAR KHAIR ABAD IN DISTRICT
MIANWALI.

BLOCK NAME ML-MLI CELESTITE KHAIRABAD(2)

POINTS	EASTING (Yds)	NORTHING (Yds)
A	33,73000	10,52000
B	33,73500	10,52000
C	33,73500	10,50530
D	33,72300	10,50530
E	33,72300	10,51550
F	33,73000	10,51550
TOTAL AREA = 299.38 ACRES		

SHEET NO 38/P/9 SCALE 1/50,000



(Signature)
SARWAR

(Signature)

f. **Proposed Reserve Price of Mining Concession**

The proposed reserve price of area has been calculated approximately as Rs. 40,00,000/. The calculation has been made on the basis of factors i.e. acreage of mineral bearing area, bed thickness, future potential, existing development and already done exploratory work. For further details, please refer to (**Annexure-A**).

ANNEXURE-A**PROFOMA FOR CALCULATION OF RESERVE PRICE OF CELESTITE
MINING LEASE**

Title:- ML-MLI-CELESTITE-KHAIRABAD-2			
Location:- Near Khairabad			
District:- Mianwali			
1	Total Acreage of Mining Lease		299.38
2	Approximate Mineral Formation Bearing Area		Acres
	15%	% of Total Area	
3	Proposed Base Price per acre = (Royalty rate of Mineral x 200)		Rs. 40000
4	Proposed Base Price of total mineral area (Price per acre x approximate mineral area)		Rs. 1,796,280

Sr. No	Factors	Maximum Weightage (%)	Weightage Assigned (%)	Calculated Amount(Rs.)
1	Overburden Factor	100%	20%	359,256
2	Availability of Infrastructure, Roads , water, Electricity etc.	100%	30%	538,884
3	Availability of Consumption Market.	100%	10%	179,628
4	Availability of labour facilities.	100%	30%	538,884
5	Seam/bed thickness	100%	5%	89,814
6	Future Potential	100%	25%	449,070
Total Contributing Factors		600%	120%	2,155,536

Proposed Base Price Rs.	1,796,280
Total Contributing Factors	2,155,536
Estimated Reserve Price of Mining Lease (Proposed Base Price+Total Contributing Factors) Rs.	3,951,816

Proposed Reseve Price of Mining Lease Rs.	40,00,000/-
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Note:-

The Approximate mineral bearing area is estimated on the inferred basis from the geology of the area keeping in view the sub surface extension of the source rock formation. However, it may not be necessarily 100% mineal bearing formation for the reasons that the factors including structure behaviour of the area and depositional environement of the mineral may change within the formation from place to place. It is worth to mention here that subject to approval of technical expert committee for reserve prices, there may be a bare minimum price of any area for purpose of auction.

**Deputy Director
Mines & Minerals, Mianwali**