

PROFILE OF MINING CONCESSION DISTRICT MIANWALI



DIRECTORATE GENERAL MINES AND MINERALS PUNJAB

Profile Summary

Lease Title	PL-MLI-Rock Salt-Shahwali-2
Mineral	Rock Salt
Reserve Status	Not Proved.
Acreage	435.26 acres
Location	Near Shahwali (Chidru), District Mianwali.
Proposed base price	Rs. 28,00,000/-

TECHNICAL DATA

a) **Area description**

The area is located near Shahwali (Chidru). The said area is approachable from Chidru metalled Road. The said metalled road is connected with Musa Khel Wah Bhachran Raod.

b) **Previous Prospecting / Development in the area**

A prospecting license over an area of 435.26 acres near Shahwali is fabricated from a cancelled exploration license bearing No. LSM-EL-MLI-Rock Salt-03. During the previous grant of EL, the licensee kept the area idle, failed to prove the area and did not develop the area. Therefore, the Competent Authority cancelled the said exploration license.

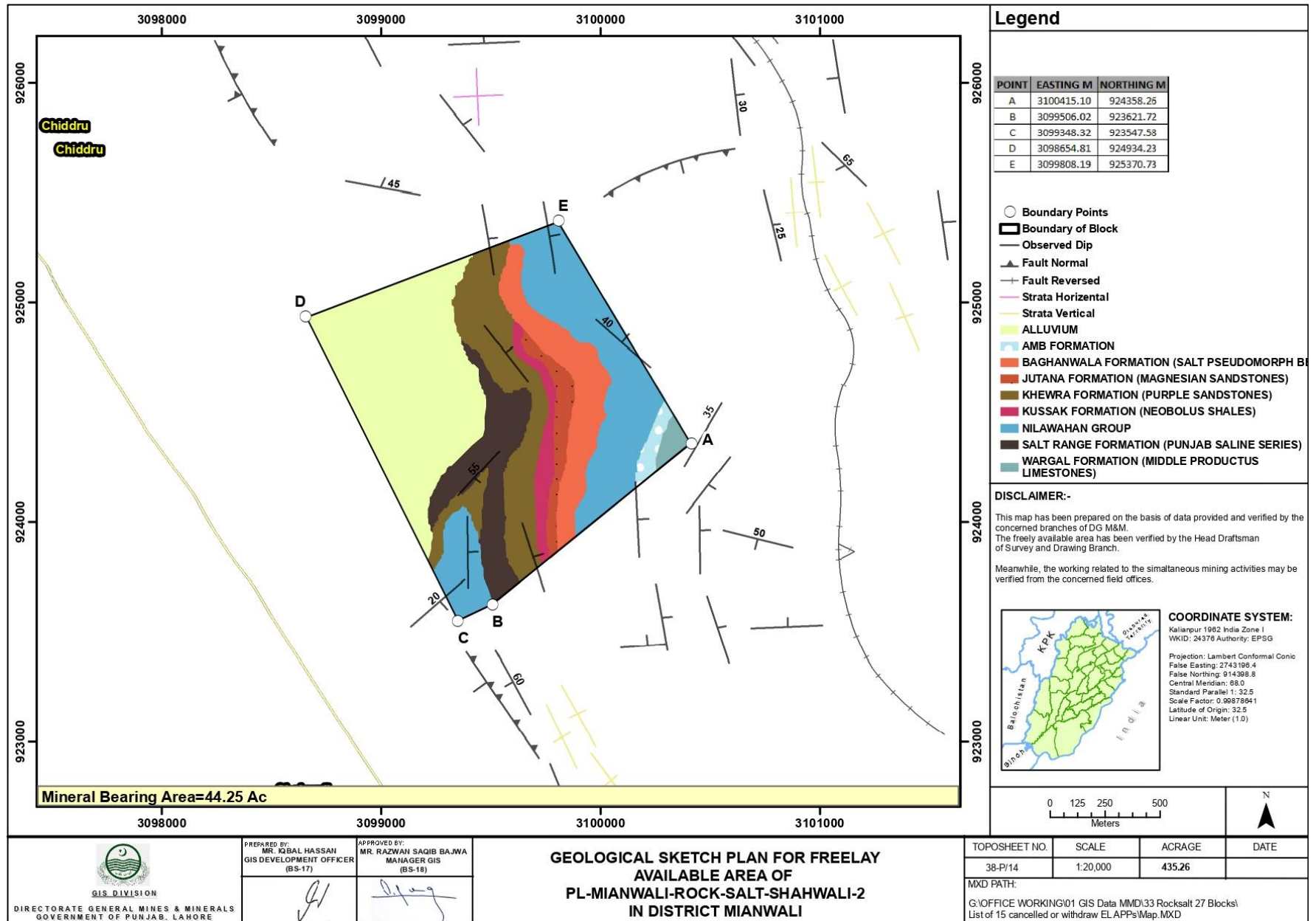
c) **Present status of the area**

The area of the subject block of Rock Salt is available for Open Auction as Prospecting License under Rule-187 of the Punjab Mining Concession Rules, 2002 and as per

d) **Future Prospects of the area with respect to its geology**

This block is pertaining to District Mianwali, fall in Western Salt Range. The Salt Range Thrust (SRT) or Himalayan Frontal Thrust (HFT) is the Southernmost Thrust along the foothill of Salt Range marks the Southern boundary of East-West trending Salt Range. Due to this active foreland fold-thrust/SRT, the geological structures are quite complicated have folds and faults (Normal faults, Thrust faults). The Salt Range formation of Pre-Cambrian age are exposed in some of these folds and faulted anticlines of Salt Range Thrust. Salt Diapir is also key geological phenomena and responsible for the uplifting of Salt Range formation as well as inverse topography in Salt Range area. The Salt Range formation is mainly composed of red Marl, Salt and Gypsum with minor beds of Dolomite and Clay.

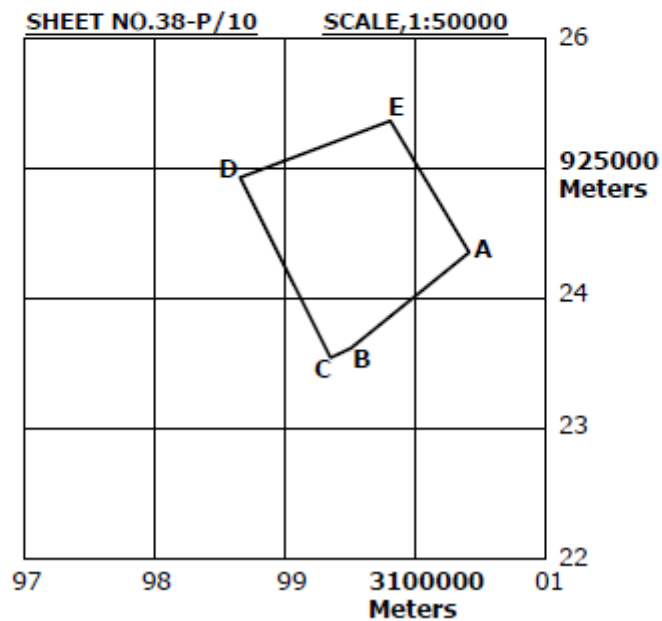
Geologically the area has Salt Range formation of Precambrian age and is overlain by younger strata of Permian age. Moreover, the area is tectonically disturbed. The geological formations falling in the area and nearby vicinity can be seen on given below geological plan. Although keeping in view the Law of Uniformitarianism, it is supposed that aforementioned rock salt bearing formations should be present underneath the younger rocks.



e) **Geographical Information (Coordinates)**

The area is located on topographic sheet no.38-P/10 of survey of Pakistan. The coordinates of area are provided as under; -

POINTS	EASTING (Yards)	EASTING (Yards)
A.	3100415.10	924358.26
B.	3099506.02	923621.72
C.	3099348.32	923547.58
D.	3098654.81	924934.23
E.	3099808.19	925370.73
TOTAL AREA=435.26 ACRES		



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

The proposed reserve price of area has been calculated approximately as Rs. 28,00,000/-. 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 ROCK SALT
PROSPECTING LICENSES**

Title:- PL-MLI-Rock Salt-Shahwali-2			
Location:- Near Shahwali			
District:- Mianwali			
1	Total Acreage of Prospecting License	Acres	435.26
2	Approximate Mineral Formation Bearing Area		44.26
3	Base Price per acre	Rs.	50000
4	Proposed Base Price of total mineral area =(Price per acre x Approximate Mineral Bearing Area)	Rs.	2,213,000

Sr. No	Factors	Maximum Weightage (%)	Weightage Assigned (%)	Calculated Amount(Rs.)
1	Nearby proved Salt Mining Concessions	5	5	110,650
2	Availability of Infrastructure, Roads , water, Electricity etc.	5	5	110,650
3	Seam/bed thickness as per literature.	5	5	110,650
4	Any past prospecting/exploration activity like bore holes, mine etc.	5	3	66,390
5	Anu unique factor	5	5	110,650
Total Contributing Factors		25	23	508,990

Proposed Base Price Rs.	2,213,000
Total Contributing Factors	508,990
Estimated Reserve Price of Prospecting License (Proposed Base Price+Total Contributing Factors) Rs.	2,721,990

Proposed Reseve Price of Prospecting License Rs.	28,00,000/-
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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 environment 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**