

**PROFILE OF MINING CONCESSION  
DISTRICT MIANWALI**



**DIRECTORATE GENERAL MINES AND MINERALS PUNJAB**

**Profile Summary**

Lease Title	PL-MLI-Rock Salt-Pirha
Mineral	Rock Salt
Reserve Status	Not Proved.
Acreage	402.38 acres
Location	Near Pirha, District Mianwali.
Proposed base price	Rs. 31,00,000/-

## TECHNICAL DATA

a) **Area description**

The area is located near Pirha and in the Nallah. The said area is approachable from Musa Khel to Moza Bazaar to Khaji Katcha Road.

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

A virgin area of 402.38 acres near Pirha was fabricated by GIS branch, HQ Office.

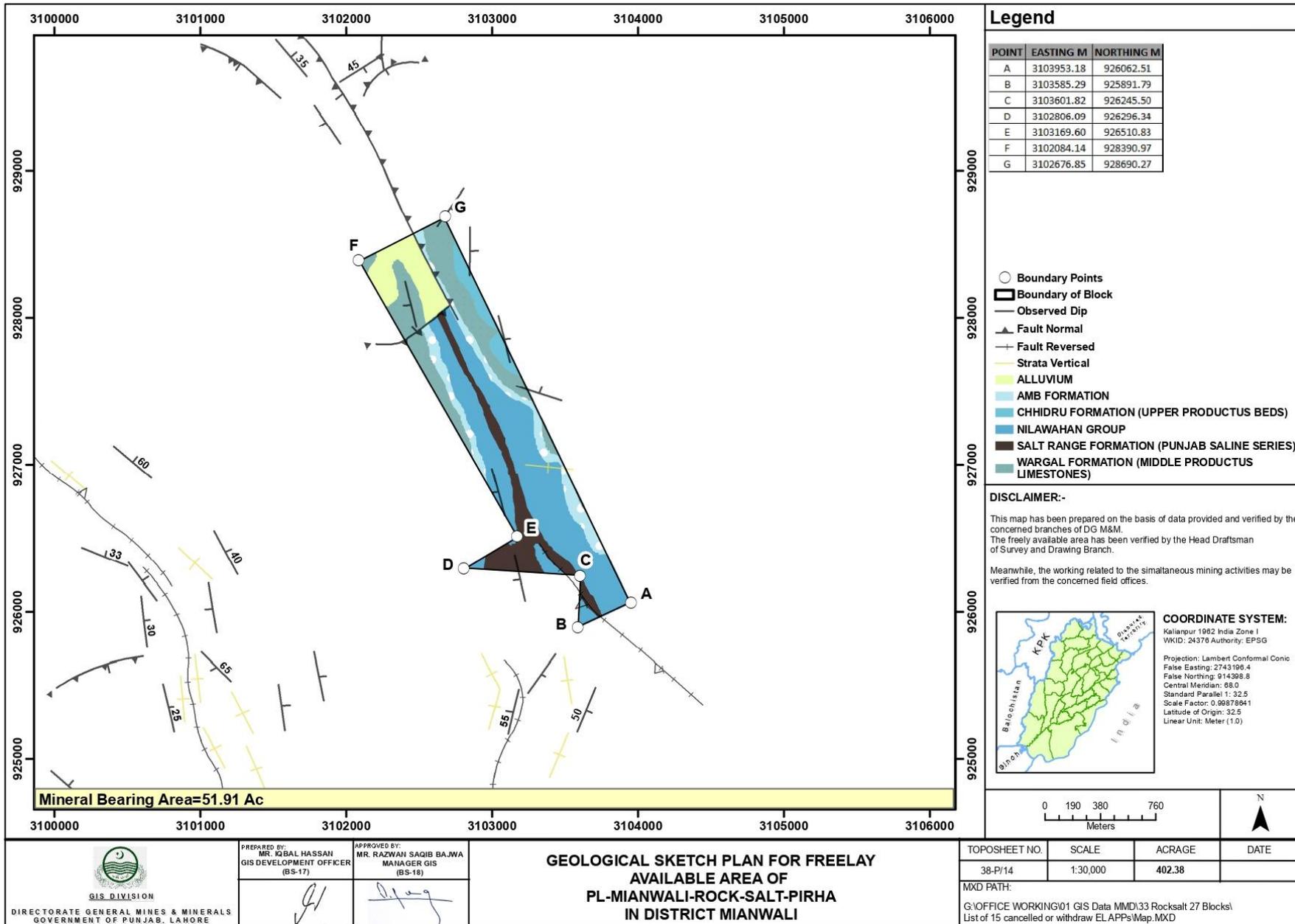
c) **Present status of the area**

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.



  
 GIS DIVISION  
 DIRECTORATE GENERAL MINES & MINERALS  
 GOVERNMENT OF PUNJAB, LAHORE

PREPARED BY:  
 MR. IQBAL HASSAN  
 GIS DEVELOPMENT OFFICER  
 (BS-17)

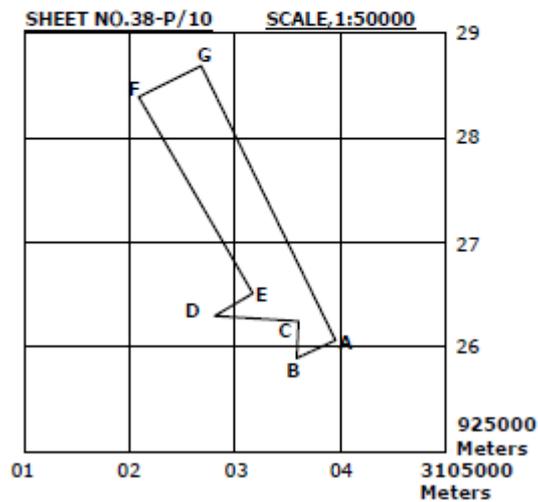
APPROVED BY:  
 MR. RAZWAN SAQIB BAJWA  
 MANAGER GIS  
 (BS-18)

**GEOLOGICAL SKETCH PLAN FOR FREELAY  
 AVAILABLE AREA OF  
 PL-MIANWALI-ROCK-SALT-PIRHA  
 IN DISTRICT MIANWALI**

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 (Meters)	NORTHING (Meters)
A.	3103953.18	926062.51
B.	3103585.29	925891.79
C.	3103601.82	926245.50
D.	3102806.09	926296.34
E.	3103169.60	926510.83
F.	3102084.14	928390.97
G.	3102676.85	928690.27
<b>TOTAL AREA=402.38 ACRES</b>		



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

The proposed reserve price of area has been calculated approximately as Rs. 31,00,000/-. 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**).

**PROFOMA FOR CALCULATION OF RESERVE PRICE OF ROCK SALT  
PROSPECTING LICENSES**

<b>Title:- PL-MLI-Rock Salt-Pirha</b>			
<b>Location:- Near Pirha</b>			
<b>District:- Mianwali</b>			
1	Total Acreage of Prospecting License	Acres	402.38
2	Approximate Mineral Formation Bearing Area		51.91
3	Base Price per acre	Rs.	50000
4	Proposed Base Price of total mineral area =(Price per acre x Approximate Mineral Bearing Area)	Rs.	<b>2,595,500</b>

Sr. No	Factors	Maximum Weightage (%)	Weightage Assigned (%)	Calculated Amount(Rs.)
1	Nearby proved Salt Mining Concessions	5	5	129,775
2	Availability of Infrastructure, Roads , water, Electricity etc.	5	5	129,775
3	Seam/bed thickness as per literature.	5	3	77,865
4	Any past prospecting/exploration activity like bore holes, mine etc.	5	0	0
5	Anu unique factor	5	5	129,775
<b>Total Contributing Factors</b>		25	18	<b>467,190</b>

Proposed Base Price Rs.	2,595,500
Total Contributing Factors	467,190
<b>Estimated Reserve Price of Prospecting License (Proposed Base Price+Total Contributing Factors) Rs.</b>	<b>3,062,690</b>
<b>Proposed Reserve Price of Prospecting License Rs.</b>	<b>31,00,000/-</b>

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% mineral bearing formation for the reasons that the factors including structure behavior 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**