

Profile of Mining Concession District Mianwali



DIRECTORATE GENERAL OF MINES AND MINERALS PUNJAB

Profile Summary

Lease Title	ML. MLI. Coal-34
Mineral	Coal
Reserve Status	Proved
Acreage	732.79 Acres
Location	Near Chapri, Mianwali.
Reserve Price	Rs. 1,12,00,000/-

TECHNICAL DATA

a) Area Description

The mining concession area falls on topo sheet No.38-P/05,38-O/08 of Survey of Pakistan near Chapri over an area of 732.79 acres and is approachable through about 30km truck able road connected with Kamarmashani at Mianwali- Bannu road. And it is also approachable through about 1.5 Km truck able road with from Chapri. The area was earlier granted to Muhammad Shafiq; but it was cancelled on 28.11.2016.

b) Previous Prospecting/Development in the Area:

i. Production:

Ex-lessee reported 119.8 tons of Coal production from June 2012 to June 2016.

ii. Road and Infrastructure Development:

The said area is approachable through about 30km trackable road connected with Kamarmashani at Mianwali- Bannu road and it is also approachable through about 1.5 Km trackable road with from Chapri.

iii. Previous Mining Development:

The area was previously under production before cancellation and ex-lessee installed about 09 mines in the area.

c) Present status of the area:

The area contains coal bearing Datta, chichali and lamshiwal formation, the average thickness of Coal seam is about 32 cm. The quality of mineral is medium. From site study and geological map, it reveals that the total leased area contains 30 % of coal bearing formation. The exact reserve estimation is only possible through further exploration of mining concession.

d) Future prospects of the area with respect to geology:

Geological strata having Surghar Group of Jurassic Period, Datta Formation of Lower Jurassic age and lower part of Makrwal group is available in the subject area. Coal is associated with Scacer/Namal Formation which constitutes about 27.03 of the whole area.



e) Geographical Information (Coordinates)

The area is located on Topographic Sheet No38-P/05, 38-O/08 of Survey of Pakistan.

The coordinates of offered mining area are provided as under:-

Points	Easting (yards)	Northing (yards)
A	3348199.1	1066195.48
B	3348471.6	1065723.5
C	3348000	1065000
D	3345546	1064026.58
E	3345546	1065618.71
F	3346080	1065579.8
G	3346688.53	1065813.63
Total Acreage		732.79 acres

f) Reserve Price of Mining Concession

The reserve price of area has been calculated as **Rs. 1,08,00,000/-**. The calculation has been made on the basis of factors i.e. acreage of area, quality of mineral, seam thickness, future potential, existing development and already exploratory work. For further details, please refer to (**Annex-A**)

PROPOSED RESERVE PRICE ESTIMATION OF MINING CONCESSION							
ML-MLI-COAL-34							
1	Total Acrage of Mining Concessions (Acres)				=	732.29	
2	Approximate Mineral Formation bearing area (Acres)				=	219.687	
	30	% of the total area					
3	Proposed Base Price per acre (Rupees) (Royalty Rate of Mineral x 100)					10,000	
	Royalty Rate (Rs)		100				
4	Proposed Base Price of Mining Concession (Rupees)				=	2,196,870	
Sr. No.	Factors			Maximum Weightage (%)	Weightage Assigned (%)	Caculated Amount (Rs.)	
1	Overburden / Depth Factor a) Upto 100 m= 100% b) 100-150 m = 75% c) 151-200 m = 50% d) 200m and above = 25%			100	100	2,196,870	
2	Availability of Infrastructure, Roads,			300	50	1,098,435	
3	Availability of Consumption Market			100	20	439,374	
4	Availability of Labor Facilites			100	10	219,687	
5	Seam Thickness a) 30 cm or above = 300% b) 15-29 cm = 200% c) Below 15 cm = 100%			300	200	4,393,740	
6	Future Potential			100	10	219,687	
Total of Contributing Factors =					390	8,567,793	
Proposed Base Price Rs. =						2,196,870	
Toal (Contributing Factors + Base Price) Rs. =						10,764,663	
Reserve Price of Minig Concession Rs. =						10,800,000	

Note: -

The approximate mineral bearing area is estimated on the inferred basis from the geology of the area keeping in view the surface & sub surface extension of the source rock/ formation. However, it may not be necessarily that 100% mineral bearing formation for the reasons the factor including structural behavior of the area and depositional environment of the mineral may change within the formation from place to place.

Profile of Mining Concession

District Mianwali



DIRECTORATE GENERAL OF MINES AND MINERALS PUNJAB

Profile Summary

Lease Title	New Block Fireclay. Zaluch Nala-1
Mineral	Fireclay
Reserve Status	Proved
Acreage	299.55 Acres
Location	Near Zaluch Nala, Mianwali.

TECHNICAL DATA

a) Area Description

The subject area falls on Topo Sheet No.38-P/9 of Survey of Pakistan, near Zaluch Nala and is approachable through about 10 km road (including 3 km metaled road and 7km katcha road) from Swansea Mor.

b) Previous Prospecting/Development in the Area:

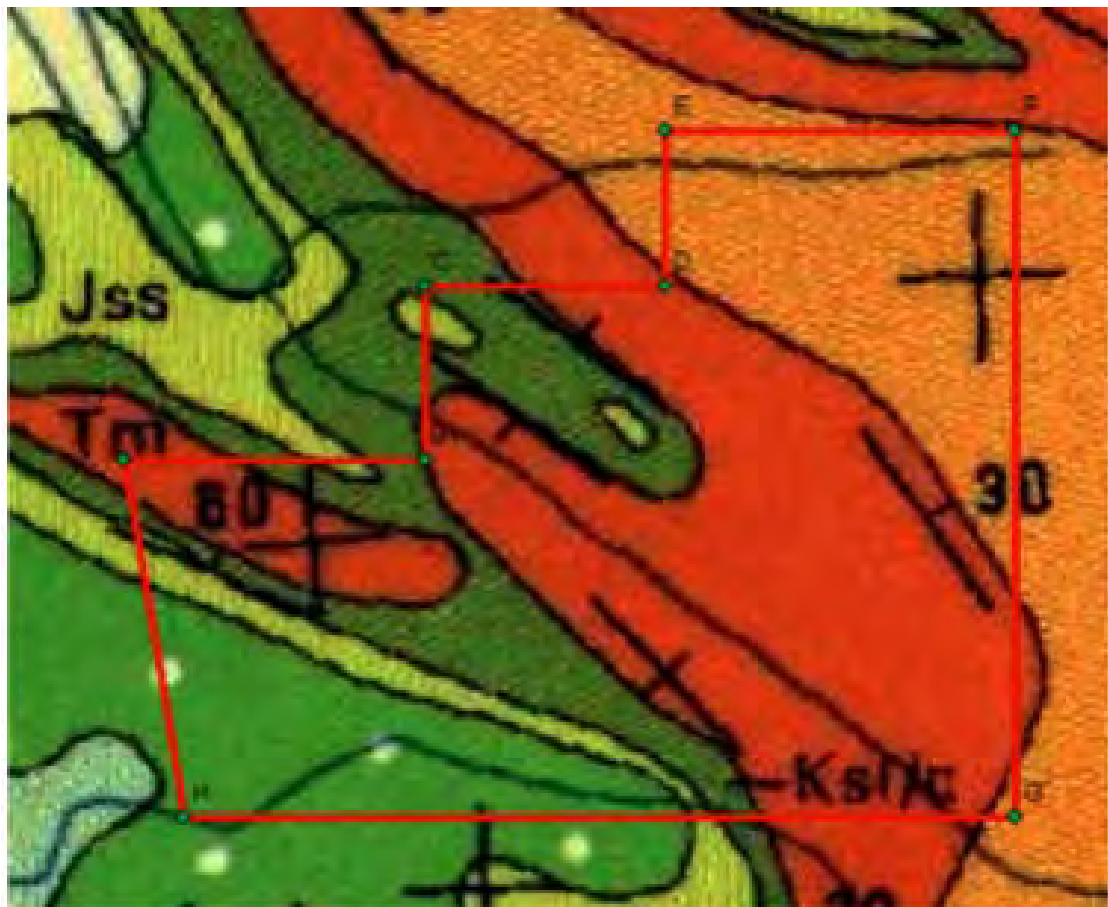
New block.

c) Present status of the area:

New Block.

d) Future prospects of the area with respect to geology:

Thick strata of Musa khel group of Triassic age, Datta Formation of lower Jurassic age and Samana Suk Formation of Middle Jurassic age is present in the said area. Historically, fireclay is associated with Datta Formation in Salt Range.



e) Geographical Information (Coordinates)

The area is located on Topographic Sheet No. 38-P/9 of Survey of Pakistan.
The coordinates of offered mining area are provided as under:-

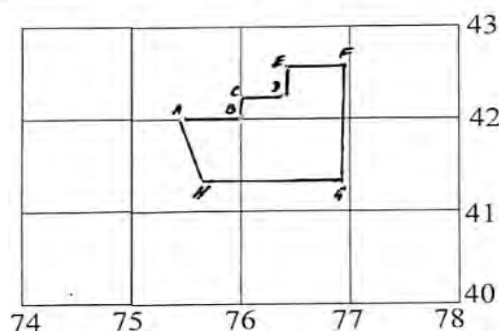
Points	Easting (y)	Northing(y)
A.	3375500	1042000
B.	3376000	1042000
C.	3376000	1042290
D.	3376400	1042290
E.	3376400	1042550
F.	3376980	1042550
G.	3376980	1041400
H.	3375600	1041400
Total Acreage		299.55 acres

f) Map showing Area:

PLAN SHOWING THE AREA OF PROPOSED BLOCK FOR
FIRE CLAY NEAR ZALUCH NALA IN DISTRICT MIANWALI
BLOCK NO. PL-MLI-FIRE CLAY ZALUCH NALA(1).

POINTS	EASTING (YDS)	NORTHING (YDS)
A	33,75500	10,42000
B	33,76000	10,42000
C	33,76000	10,42290
D	33,76400	10,42290
E	33,76400	10,42550
F	33,76980	10,42550
G	33,76980	10,41400
H	33,75600	10,41400
TOTAL AREA-299.55ACRES		

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



f) Reserve Price of Mining Concession

The reserve price of area has been calculated as **Rs. 35,00,000/-**. The calculation has been made on the basis of factors i.e. acreage of area, quality of mineral, seam thickness, future potential, existing development and already exploratory work. For further details, please refer to **(Annex-A)**.

(Annex-A)

RESERVE PRICE ESTIMATION OF MINING CONCESSION

Fireclay Zaluch Nala-1

1. Total Acreage of Mining Concession 299.55 acres
2. Approximate fireclay formation bearing area 53.91 acres
(18 %)
3. Proposed base price per acre 72x200 = Rs14400/acre
(Royalty Rate of Mineral x 200)
4. Proposed Base Price of Mining Concession 14400x59.91= Rs.7,76,434/-
(price per acre x approximate mineral bearing area)

Sr.No	Factors	Maximum Weightage %	Weightage % Assigned	Calculated amount (Rs).
1.	Overburden factor	100	30	232930
2.	Availability of infrastructure roads, water supply, electricity etc	300	50	388217
3.	Availability of consumption market	100	60	465860
4.	Availability of labor facilities	300	80	621147
5.	Seam/ bed thickness	100	50	388217
6.	Future potential	100	70	543504
7.	Total contributing factor		340	26,39,875/-
8.	Proposed base price			7,76,434/-
9.	Total (contributing factor + base price)			34,16,309/-
10.	Total base price			35,00,000/-

Note: -

The approximate mineral bearing area is estimated on the inferred basis from the geology of the area keeping in view the surface & sub surface extension of the source rock/ formation. However, it may not be necessarily that 100% mineral bearing formation for the reasons the factor including structural behavior of the area and depositional environment of the mineral may change within the formation from place to place.

Profile of Mining Concession

District Mianwali



DIRECTORATE GENERAL OF MINES AND MINERALS PUNJAB

Profile Summary

Lease Title	New Block Fireclay. Zaluch Nala-2
Mineral	Fireclay
Reserve Status	Proved
Acreage	218.18 Acres
Location	Near Zaluch Nala, Mianwali.

TECHNICAL DATA

a) Area Description

The subject area falls on Topo Sheet No.38-P/9 of Survey of Pakistan, near Zaluch Nala and is approachable through about 11 km road (including 3 km metaled road and 8km katcha road) from Swansea Mor.

b) Previous Prospecting/Development in the Area:

New block.

c) Present status of the area:

New Block.

d) Future prospects of the area with respect to geology:

Thick strata of Musa khel group of Triassic age, Datta Formation of lower Jurassic age and Samana Suk Formation of Middle Jurassic age is present in the said area. Historically, fireclay is associated with Datta Formation in Salt Range.



e) Geographical Information (Coordinates)

The area is located on Topographic Sheet No. 38-P/9 of Survey of Pakistan.

The coordinates of offered mining area are provided as under:-

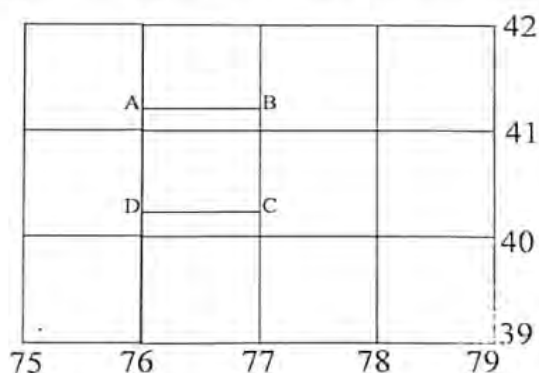
Points	Easting (y)	Northing(y)
A.	3376000	1041000
B.	3377000	1041000
C.	3377000	1040344
D.	3376000	1040344
Total Acreage		218.18 acres

f) Map showing Area:

PLAN SHOWING THE AREA OF PROPOSED BLOCK FOR
FIRE CLAY NEAR ZALUCH NALA IN DISTRICT MIANWALI
BLOCK NO. PL-MLI-FIRE CLAY ZALUCH NALA(2).

POINTS	EASTING (YDS)	NORTHING (YDS)
A	33,76000	10,41400
B	33,77000	10,41400
C	33,77000	10,40344
D	33,76000	10,40344
TOTAL AREA-218.18ACRES		

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



f) Reserve Price of Mining Concession

The reserve price of area has been calculated as **Rs. 35,00,000/-**. The calculation has been made on the basis of factors i.e. acreage of area, quality of mineral, seam thickness, future potential, existing development and already exploratory work. For further details, please refer to **(Annex-A)**.

(Annex-A)

RESERVE PRICE ESTIMATION OF MINING CONCESSION

Fireclay Zaluch Nala-2

1. Total Acreage of Mining Concession 218.18 acres
2. Approximate fireclay formation bearing area 48 acres
(22 %)
3. Proposed base price per acre 72x200 = Rs14400/acre
(Royalty Rate of Mineral x 200)
4. Proposed Base Price of Mining Concession 14400x48= 6,91,200/-
(price per acre x approximate mineral bearing area)

Sr.No	Factors	Maximum Weightage %	Weightage % Assigned	Calculated amount (Rs).
1.	Overburden factor	100	30	207360
2.	Availability of infrastructure roads, water supply, electricity etc	300	90	622080
3.	Availability of consumption market	100	60	414720
4.	Availability of labor facilities	300	80	5252960
5.	Seam/ bed thickness	100	50	345600
6.	Future potential	100	70	483840
7.	Total contributing factor		380	26,26,560/-
8.	Proposed base price			6,91,200/-
9.	Total (contributing factor + base price)			33,17,760/-
10.	Total base price			35,00,000/-

Note: -

The approximate mineral bearing area is estimated on the inferred basis from the geology of the area keeping in view the surface & sub surface extension of the source rock/ formation. However, it may not be necessarily that 100% mineral bearing formation for the reasons the factor including structural behavior of the area and depositional environment of the mineral may change within the formation from place to place.

Profile of Mining Concession

District Mianwali



DIRECTORATE GENERAL OF MINES AND MINERALS PUNJAB

Profile Summary

Lease Title	New Block Fireclay. Zaluch Nala-3
Mineral	Fireclay
Reserve Status	Proved
Acreage	299.90 Acres
Location	Near Zaluch Nala, Mianwali.

TECHNICAL DATA

a) Area Description

The subject area falls on Topo Sheet No.38-P/9 of Survey of Pakistan, near Zaluch Nala and is approachable through about 11 km road (including 3 km metaled road and 8km katcha road) from Swansea Mor.

b) Previous Prospecting/Development in the Area:

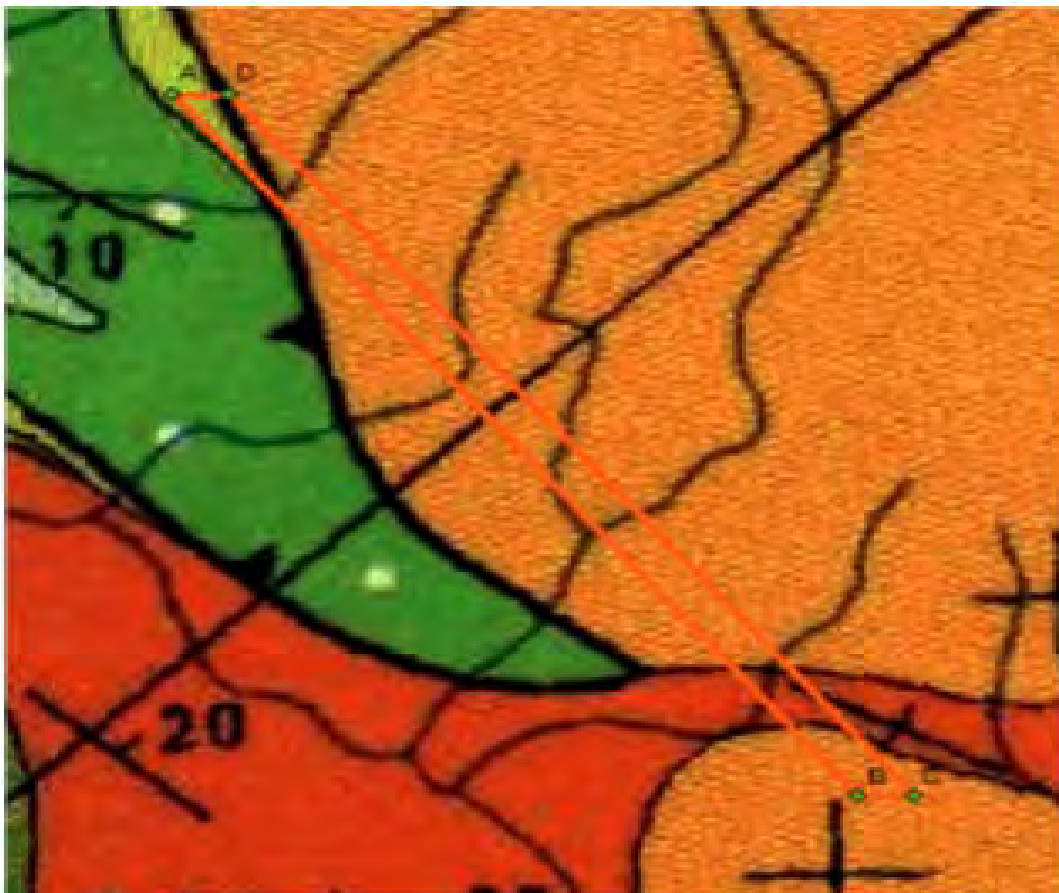
New block.

c) Present status of the area:

New Block.

d) Future prospects of the area with respect to geology:

Thick strata of Musa khel group of Triassic age, Datta Formation of lower Jurassic age and Samana Suk Formation of Middle Jurassic age is present in the said area. Historically, fireclay is associated with Datta Formation in Salt Range.



e) Geographical Information (Coordinates)

The area is located on Topographic Sheet No. 38-P/9 of Survey of Pakistan.

The coordinates of offered mining area are provided as under:-

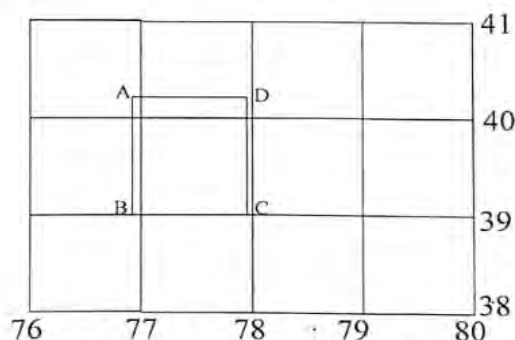
Points	Easting (y)	Northing(y)
A.	3376900	1040344
B.	3377900	1039000
C.	3377980	1039000
D.	3376980	1040344
Total Acreage		299.90 acres

f) Map showing Area:

PLAN SHOWING THE AREA OF PROPOSED BLOCK FOR
FIRE CLAY NEAR ZALUCH NALA IN DISTRICT MIANWALI
BLOCK NO. PL-MLI-FIRE CLAY ZALUCH NALA(3).

POINTS	EASTING (YDS)	NORTHING (YDS)
A	33,76900	10,40344
B	33,76900	10,39000
C	33,77980	10,39000
D	33,77980	10,40344
TOTAL AREA-299.90ACRES		

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



f) Reserve Price of Mining Concession

The reserve price of area has been calculated as **Rs. 35,00,000/-**. The calculation has been made on the basis of factors i.e. acreage of area, quality of mineral, seam thickness, future potential, existing development and already exploratory work. For further details, please refer to **(Annex-A)**.

(Annex-A)

RESERVE PRICE ESTIMATION OF MINING CONCESSION

Fireclay Zaluch Nala-3

1. Total Acreage of Mining Concession 299.90 acres
2. Approximate fireclay formation bearing area 53.98 acres
(18 %)
3. Proposed base price per acre 72x200 = Rs14400/acre
(Royalty Rate of Mineral x 200)
4. Proposed Base Price of Mining Concession 14400x53.98= 7,77,312/-
(price per acre x approximate mineral bearing area)

Sr.No	Factors	Maximum Weightage %	Weightage % Assigned	Calculated amount (Rs).
1.	Overburden factor	100	30	233194
2.	Availability of infrastructure roads, water supply, electricity etc	300	80	621850
3.	Availability of consumption market	100	60	466387
4.	Availability of labor facilities	300	80	621850
5.	Seam/ bed thickness	100	50	388656
6.	Future potential	100	50	388656
7.	Total contributing factor		350	27,20,592/-
8.	Proposed base price			7,77,312/-
9.	Total (contributing factor + base price)			34,97,904/-
10.	Total base price			35,00,000/-

Note: -

The approximate mineral bearing area is estimated on the inferred basis from the geology of the area keeping in view the surface & sub surface extension of the source rock/ formation. However, it may not be necessarily that 100% mineral bearing formation for the reasons the factor including structural behavior of the area and depositional environment of the mineral may change within the formation from place to place.

Profile of Mining Concession District Mianwali



DIRECTORATE GENERAL OF MINES AND MINERALS PUNJAB

Profile Summary

Lease Title	New Block Fireclay. Zaluch Nala-4
Mineral	Fireclay
Reserve Status	Proved
Acreage	195.21 Acres
Location	Near Zaluch Nala, Mianwali.

TECHNICAL DATA

a) Area Description

The subject area falls on Topo Sheet No.38-P/9 of Survey of Pakistan, near Zaluch Nala and is approachable through about 09 km road (including 3 km metaled road and 6km katcha road) from Swansea Mor.

b) Previous Prospecting/Development in the Area:

New block.

c) Present status of the area:

New Block.

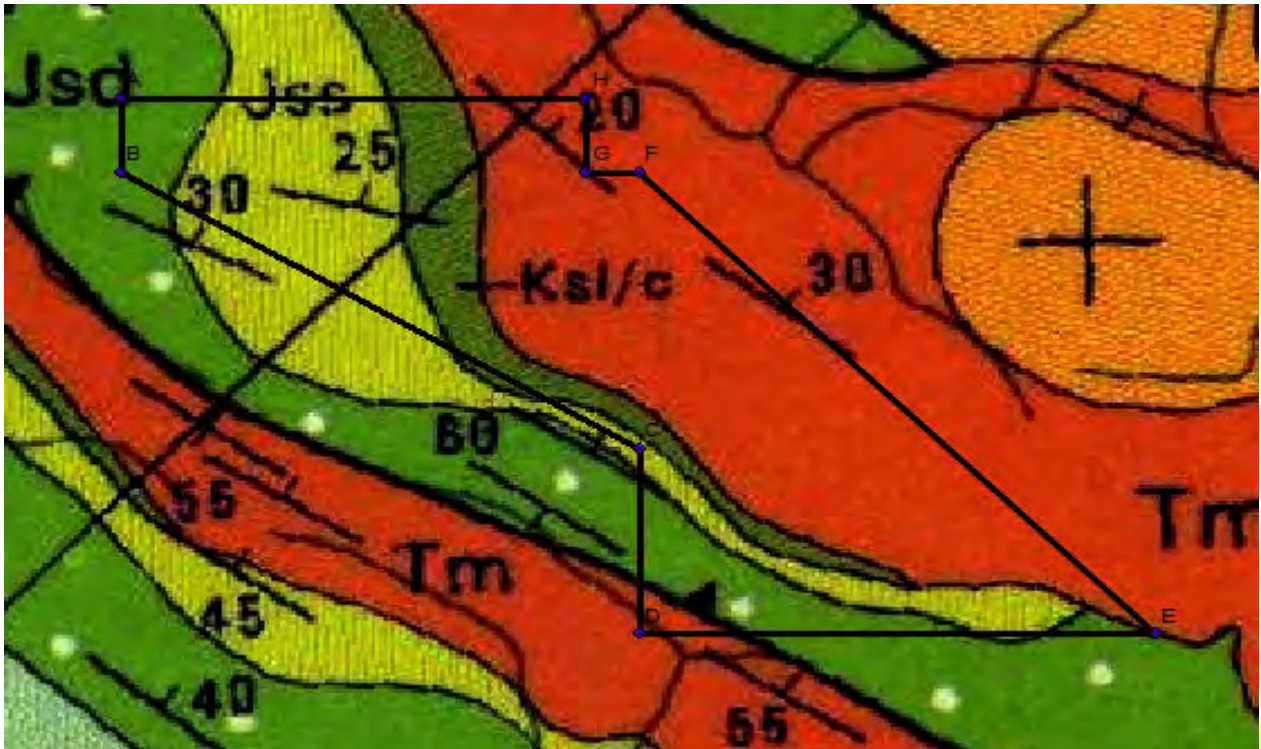
d) Future prospects of the area with respect to geology:

Thick strata of Musa khel group of Triassic age, Datta Formation of lower Jurassic age and Samana Suk Formation of Middle Jurassic age is present in the said area. Historically, fireclay is associated with Datta Formation in Salt Range.

e) Geographical Information (Coordinates)

The area is located on Topographic Sheet No. 38-P/9 of Survey of Pakistan. The coordinates of offered mining area are provided as under:-

Points	Easting (y)	Northing(y)
A.	3376000	1039161
B.	3376000	1039000
C.	3377000	1038400
D.	3377000	1038000
E.	3378000	1038000
F.	3377000	1039000
G.	3376900	1039000
H.	3376900	1039161
Total Acreage		195.21 acres



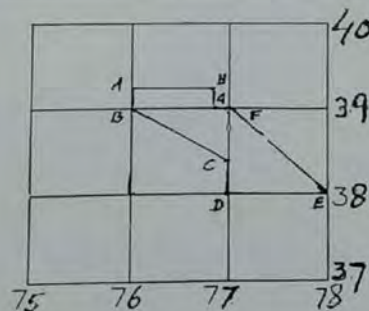
f) Map showing Area:

PLAN SHOWING THE AREA OF PROPOSED BLOCK FOR FIRE CLAY NEAR ZALUCH NALA IN DISTRICT MIANWALI
BLOCK NO. PL-MLI-FIRE CLAY ZALUCH NALA(4).

POINTS	EASTING (YDS)	NORTHING (YDS)
A	33,76000 ✓	10,39161 ✓
B	33,76000 ✓	10,39000 ✓
C	33,77000 ✓	10,38400 ✓
D	33,77000 ✓	1038000 ✓
E	33,78000 ✓	10,38000 ✓
F	33,77000 ✓	1039000 ✓
G	33,76900 ✓	10,39000 ✓
H	33,76900 ✓	10,39161 ✓
TOTAL AREA-195.21ACRES		

SHEET NO.38/P/9

SCALE 1/50,000



f) Reserve Price of Mining Concession

The reserve price of area has been calculated as **Rs. 30,00,000/-**. The calculation has been made on the basis of factors i.e. acreage of area, quality of mineral, seam thickness, future potential, existing development and already exploratory work. For further details, please refer to **(Annex-A)**.

(Annex-A)

RESERVE PRICE ESTIMATION OF MINING CONCESSION

Fireclay Zaluch Nala-4

1. Total Acreage of Mining Concession 195.21 acres
2. Approximate fireclay formation bearing area 36 acres
(18 %)
3. Proposed base price per acre 72x200 = Rs14400/acre
(Royalty Rate of Mineral x 200)
4. Proposed Base Price of Mining Concession 14400x36= 5,18,400/-
(price per acre x approximate mineral bearing area)

Sr.No	Factors	Maximum Weightage %	Weightage % Assigned	Calculated amount (Rs).
1.	Overburden factor	100	30	155520
2.	Availability of infrastructure roads, water supply, electricity etc	300	150	777600
3.	Availability of consumption market	100	60	311040
4.	Availability of labor facilities	300	80	414720
5.	Seam/ bed thickness	100	50	259200
6.	Future potential	100	50	259200
7.	Total contributing factor		420	21,77,280/-
8.	Proposed base price			5,18,400/-
9.	Total (contributing factor + base price)			26,95,680/-
10.	Total base price			30,00,000/-

Note: -

The approximate mineral bearing area is estimated on the inferred basis from the geology of the area keeping in view the surface & sub surface extension of the source rock/ formation. However, it may not be necessarily that 100% mineral bearing formation for the reasons the factor including structural behavior of the area and depositional environment of the mineral may change within the formation from place to place.

Profile of Mining Concession District Mianwali



DIRECTORATE GENERAL OF MINES AND MINERALS PUNJAB

Profile Summary

Lease Title	New Block Fireclay. Thathi-1
Mineral	Fireclay
Reserve Status	Proved
Acreage	210.27 Acres
Location	Near Khair Abad, Mianwali.

TECHNICAL DATA

a) Area Description

The subject area falls on Topo Sheet No.38-P/9 of Survey of Pakistan, near Thathi and is approachable through about 01 metalled road and two Katch track from Thathi.

b) Previous Prospecting/Development in the Area:

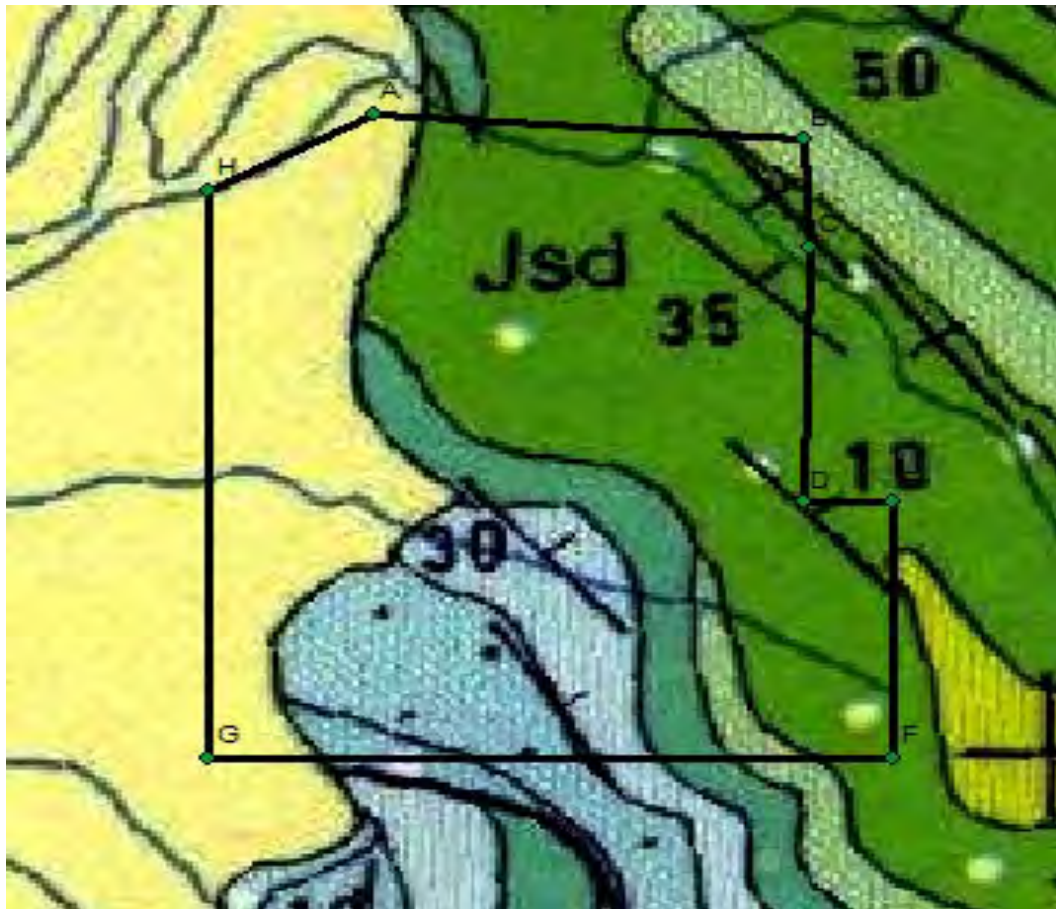
New block.

c) Present status of the area:

New Block.

d) Future prospects of the area with respect to geology:

Thick strata of Musa khel group of Triassic age, Datta Formation of lower Jurassic age and Samana Suk Formation of Middle Jurassic age is present in the said area. Historically, fireclay is associated with Datta Formation in Salt Range.



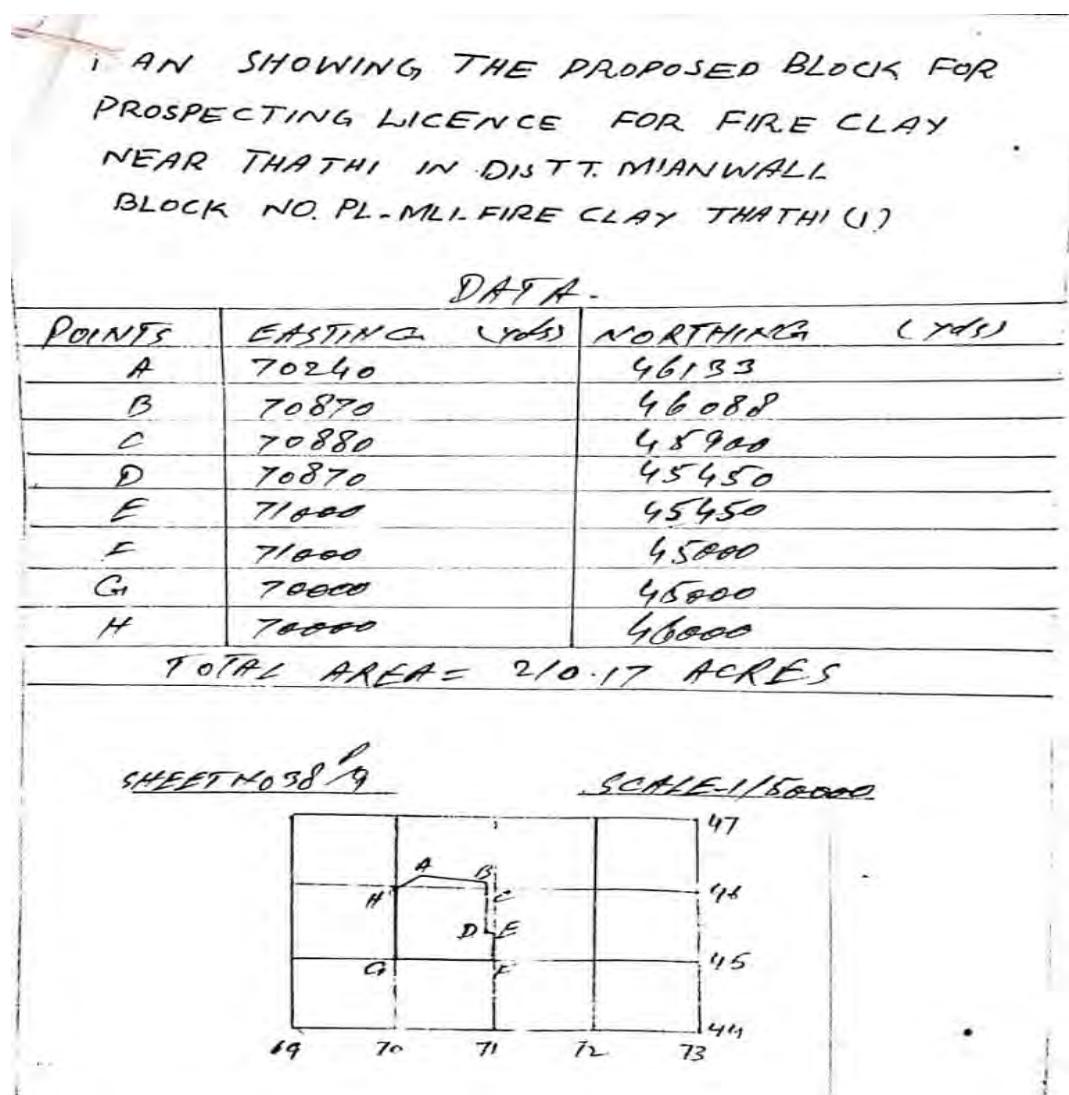
e) Geographical Information (Coordinates)

The area is located on Topographic Sheet No. 38-P/9 of Survey of Pakistan.

The coordinates of offered mining area are provided as under:-

Points	Easting (y)	Northing(y)
A.	3370240	1046133
B.	3370870	1046088
C.	3370880	1045900
D.	3370870	1045450
E.	3371000	1045450
F.	3371000	1045000
G.	3370000	1045000
H.	3370000	1046000
Total Acreage		210.17 acres

f) Map showing Area:



g) **Reserve Price of Mining Concession**

The reserve price of area has been calculated as **Rs. 30,00,000/-**. The calculation has been made on the basis of factors i.e. acreage of area, quality of mineral, seam thickness, future potential, existing development and already exploratory work. For further details, please refer to **(Annex-A)**.

(Annex-A)

RESERVE PRICE ESTIMATION OF MINING CONCESSION

Fireclay Thathi-1

1. Total Acreage of Mining Concession 210.17 acres
2. Approximate fireclay formation bearing area 37.83 acres
(18 %)
3. Proposed base price per acre 72x200 = Rs14400/acre
(Royalty Rate of Mineral x 200)
4. Proposed Base Price of Mining Concession 14400x37.83= 5,44,752/-
(price per acre x approximate mineral bearing area)

Sr.No	Factors	Maximum Weightage %	Weightage % Assigned	Calculated amount (Rs).
1.	Overburden factor	100	30	163426
2.	Availability of infrastructure roads, water supply, electricity etc	300	130	708178
3.	Availability of consumption market	100	60	326851
4.	Availability of labor facilities	300	80	435802
5.	Seam/ bed thickness	100	50	272376
6.	Future potential	100	50	272376
7.	Total contributing factor		400	2179009
8.	Proposed base price			5,44,752
9.	Total (contributing factor + base price)			27,23,761
10.	Total base price			30,00,000/-

Note: -

The approximate mineral bearing area is estimated on the inferred basis from the geology of the area keeping in view the surface & sub surface extension of the source rock/ formation. However, it may not be necessarily that 100% mineral bearing formation for the reasons the factor including structural behavior of the area and depositional environment of the mineral may change within the formation from place to place.

Profile of Mining Concession

District Mianwali



DIRECTORATE GENERAL OF MINES AND MINERALS PUNJAB

Profile Summary

Lease Title	New Block Fireclay. Khair Abad-1
Mineral	Fireclay
Reserve Status	Proved
Acreage	159.10 Acres
Location	Near Khair Abad, Mianwali.

TECHNICAL DATA

a) Area Description

The subject area falls on Topo Sheet No.38-P/9 of Survey of Pakistan, near Khair Abad and is approachable through about 2.50 km road from Khair Abad.

b) Previous Prospecting/Development in the Area:

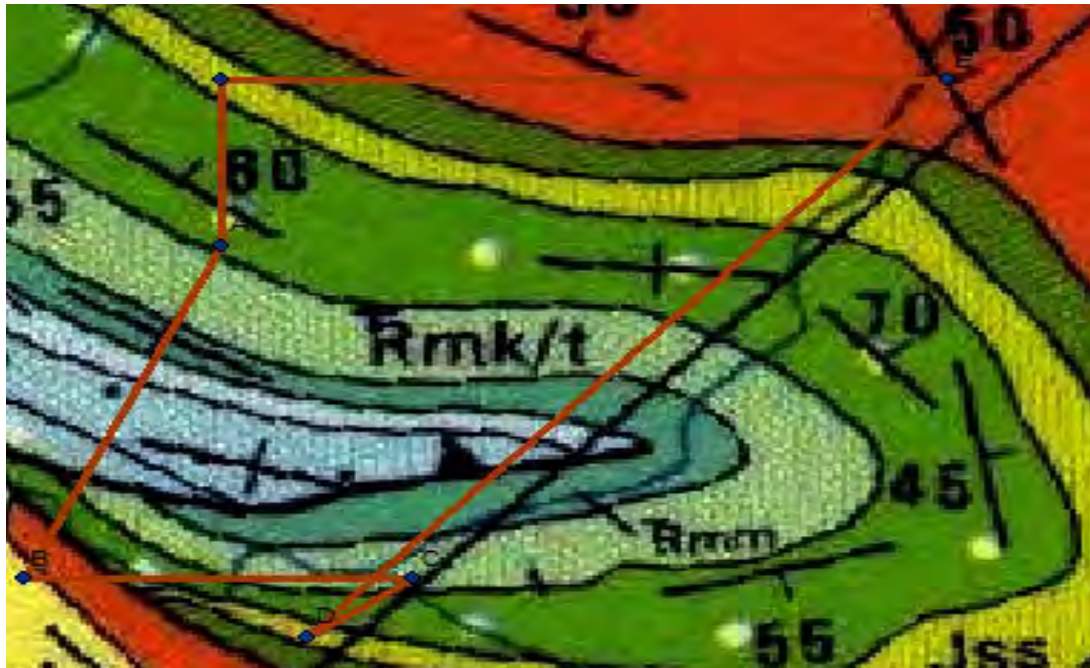
New block.

c) Present status of the area:

New Block.

d) Future prospects of the area with respect to geology:

Thick strata of Musa khel group of Triassic age, Datta Formation of lower Jurassic age and Samana Suk Formation of Middle Jurassic age is present in the said area. Historically, fireclay is associated with Datta Formation in Salt Range.

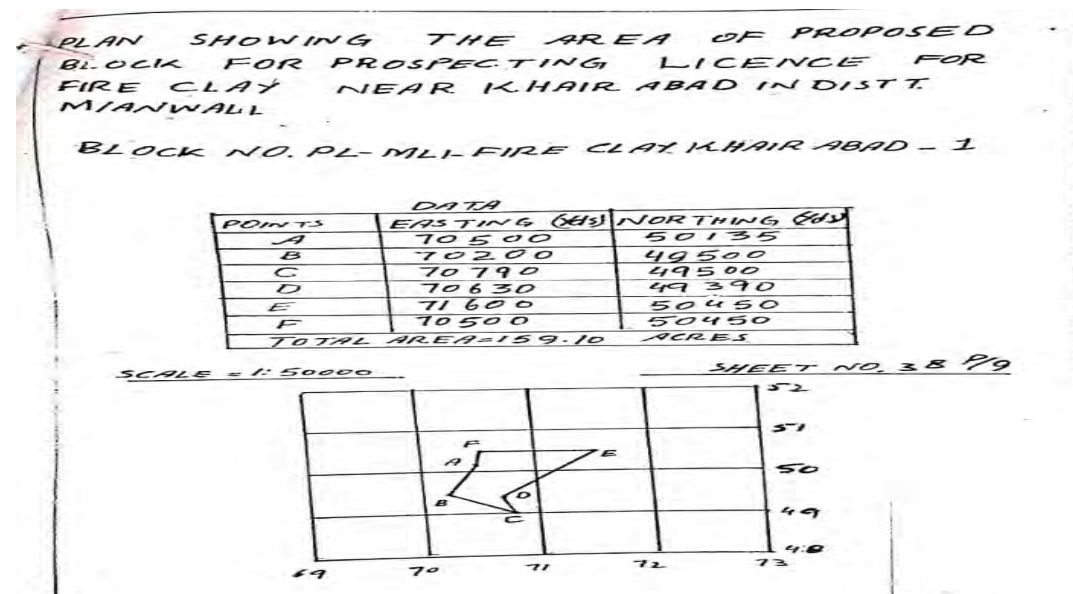


e) Geographical Information (Coordinates)

The area is located on Topographic Sheet No. 38-P/9 of Survey of Pakistan. The coordinates of offered mining area are provided as under:-

Points	Easting (y)	Northing(y)
A.	3370500	1050135
B.	3370200	1049500
C.	3370790	1049500
D.	3370630	1049390
E.	3371600	1050450
F.	3370500	1050450
Total Acreage		159.10 acres

f) Map showing Area:



f) Reserve Price of Mining Concession

The reserve price of area has been calculated as **Rs. 25,00,000/-**. The calculation has been made on the basis of factors i.e. acreage of area, quality of mineral, seam thickness, future potential, existing development and already exploratory work. For further details, please refer to **(Annex-A)**.

(Annex-A)

RESERVE PRICE ESTIMATION OF MINING CONCESSION

Fireclay Khair Abad-1

1. Total Acreage of Mining Concession 159.10 acres
2. Approximate fireclay formation bearing area 28.64 acres
(18 %)
3. Proposed base price per acre 72x200 = Rs14400/acre
(Royalty Rate of Mineral x 200)
4. Proposed Base Price of Mining Concession 14400x28.64= 4,12,416/-
(price per acre x approximate mineral bearing area)

Sr.No	Factors	Maximum Weightage %	Weightage % Assigned	Calculated amount (Rs).
1.	Overburden factor	100	30	123725
2.	Availability of infrastructure roads, water supply, electricity etc	300	150	618624
3.	Availability of consumption market	100	60	247450
4.	Availability of labor facilities	300	80	329933
5.	Seam/ bed thickness	100	50	206208
6.	Future potential	100	50	206208
7.	Total contributing factor		420	17,32,148/-
8.	Proposed base price			4,12,416/-
9.	Total (contributing factor + base price)			21,44,564/-
10.	Total base price			25,00,000/-

Note: -

The approximate mineral bearing area is estimated on the inferred basis from the geology of the area keeping in view the surface & sub surface extension of the source rock/ formation. However, it may not be necessarily that 100% mineral bearing formation for the reasons the factor including structural behavior of the area and depositional environment of the mineral may change within the formation from place to place.

Profile of Mining Concession District Mianwali



DIRECTORATE GENERAL OF MINES AND MINERALS PUNJAB

Profile Summary

Lease Title	New Block Fireclay. Chaughlan-1
Mineral	Fireclay
Reserve Status	Proved
Acreage	265.72 Acres
Location	Near Chughlan, Mianwali.

TECHNICAL DATA

a) Area Description

The subject area falls on Topo Sheet No.38-O/8 of Survey of Pakistan, near Chughlan and is approachable through about 07 km road (including 3 km metaled road and 4km katcha road) from Kot Chandana.

b) Previous Prospecting/Development in the Area:

New block.

c) Present status of the area:

New Block.

d) Future prospects of the area with respect to geology:

Fireclay is in Data formation of Jurassic age, however Sakeear Nammal Formation, Makerwal Group and Mianwali Formation are also available in the said block.

e) Geographical Information (Coordinates)

The area is located on Topographic Sheet No. 38-O/8 of Survey of Pakistan.
The coordinates of offered mining area are provided as under:-

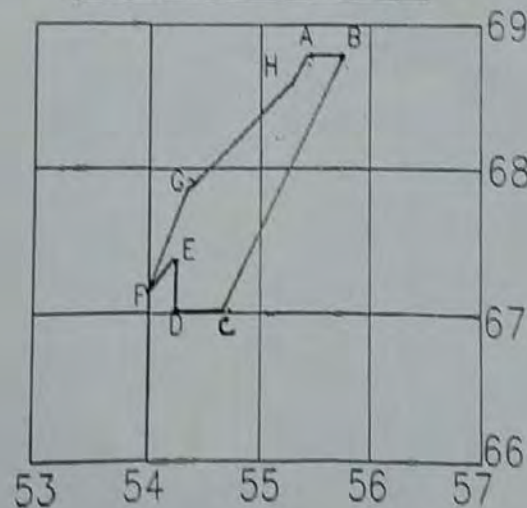
Points	Easting (y)	Northing(y)
A.	3355500	1068830
B.	3355800	1068830
C.	3354750	1067000
D.	3354200	1067000
E.	3354200	1067450
F.	3354000	1067300
G.	3354310	1067920
H.	3355380	1068650
Total Acreage		265.72 acres

f) Map showing Area:

PLAN SHOWING THE AREA OF PROPOSED BLOCK FOR
FIRE CLAY NEAR CHUGALAN IN DISTRICT MIANWALI
BLOCK NO. PL-MLI-FIRE CLAY CHUGALAN(1).

POINTS	EASTING (YDS)	NORTHING (YDS)
A	33,55500	10,68830
B	33,55800	10,68830
C	33,54750	10,67000
D	33,54200	10,67000
E	33,54200	10,67450
F	33,54000	10,67300
G	33,54310	10,67920
H	33,55380	10,68650
TOTAL AREA-265.72ACRES		

SHEET NO.38/0/8 SCALE 1/50,000



f) Reserve Price of Mining Concession

The reserve price of area has been calculated as **Rs. 35,00,000/-**. The calculation has been made on the basis of factors i.e. acreage of area, quality of mineral, seam thickness, future potential, existing development and already exploratory work. For further details, please refer to **(Annex-A)**.

(Annex-A)

RESERVE PRICE ESTIMATION OF MINING CONCESSION

Fireclay Chughlan-1

1. Total Acreage of Mining Concession 265.72 acres
2. Approximate fireclay formation bearing area 50.49 acres
(19 %)
3. Proposed base price per acre 72x200 = Rs14400/acre
(Royalty Rate of Mineral x 200)
4. Proposed Base Price of Mining Concession 14400x50.49= 7,27,056 /-
(price per acre x approximate mineral bearing area)

Sr.No	Factors	Maximum Weightage %	Weightage % Assigned	Calculated amount (Rs).
1.	Overburden factor	100	30	218119
2.	Availability of infrastructure roads, water supply, electricity etc	300	100	727056
3.	Availability of consumption market	100	60	436234
4.	Availability of labor facilities	300	80	581645
5.	Seam/ bed thickness	100	50	363528
6.	Future potential	100	50	363528
7.	Total contributing factor		370	26,90,110/-
8.	Proposed base price			7,27,056/-
9.	Total (contributing factor + base price)			34,17,166/-
10.	Total base price			35,00,000/-

Note: -

The approximate mineral bearing area is estimated on the inferred basis from the geology of the area keeping in view the surface & sub surface extension of the source rock/ formation. However, it may not be necessarily that 100% mineral bearing formation for the reasons the factor including structural behavior of the area and depositional environment of the mineral may change within the formation from place to place.

*Profile of Mining Concession for Estimation of Reserve Price of ML.MLI.Limestone.
Thathi-2A District Mianwali*

a) Geological Survey, Location of the block and assessment of mineral in the Block:

The subject block falls on Topo Sheet no 38 P/9 of Survey of Pakistan over an area of 72.31 acres on Kalabagh Mianwali Road at a distance of about 35 Kms from Mianwali City. A link Katcha road of about 03 Kms from Thathi to the block area is also available. Geologically, the block is located in Zaluch Group of upper Permian Age. Limestone is associated with Warghal Formation. Huge limestone deposits are available in the block.

b) Quality of Minerals in block:

Average quality of limestone in compact shape is available in the area.

c) Availability of access Road to the block:

Block is approachable from Mianwali- Kalabagh metalled road from where katcha road about 03 Kms from Thathi to block area.

d) Accessibility to the Market and consumption of the mineral in the block:

Limestone in crushed form will be utilized locally in Daud Khel, Thathi and surrounding village.

e) Average Excavated Quantity of Mineral from the Block During last 5 years:

New block

f) Future Potential for excavation from the block:

The area is enriched with average quality deposits of Limestone. However this office has no information about the future projects in the vicinity of the area.

g) Previous bidding history of the Block:

New block.

h) Any unique factor at site of the block relevant for determining reserved price:

Nil.

i) Location of Surrounding blocks/blocks and its impact on the reserve price of this block.

The following fifteen blocks either granted or fetched bid in the 10 Kms vicinity of under consideration block: -

Sr. No	Name of Block	Reserve Price (Rs)	Bid Money (Rs)	Validity	Distance from under consideration block (Kms)	Remarks
1.	ML.MLI. Limestone Khair Abad-6	55,00,000/-	-	-	2.5	Proposed for estimation of reserve price
2.	ML.MLI. Limestone Thathi-2B	55,00,000/-	-	-	Adjacent	//
3.	ML.MLI. Limestone Pai Khel-15	Granted from hqr office	22,00,000/-	17.08.21	02	Granted
4.	ML.MLI. Limestone. Daud Khel-2	50,00,000/-	52,35,000/-	19.05. 25	4.3	//
5.	ML.MLI. Limestone. Chita Wahn-1	Granted from Hqr office	Rs.6,60,000/-	16.03.21	3.7	//
6.	ML.MLI. Limestone Chitta Wahn-2	36,00,000/-	1,16,20,000/-	11.01.22	4.5	//
7.	ML.MLI. Limestone Pai Khel-7 (Revised)	Granted from Hqr office	6,65,000/-	13.12.21	05	//
8.	ML.MLI. Limestone Pai Khel-10 Rev	40,00,000/-	20,50,000/-	15.04.21	09	//
9.	ML.MLI. Limestone Pai Khel-10A	40,00,000/-			09	Proposed for estimation of reserve price

10.	ML.MLI. Limestone Pai Khel-12	Granted from hqr office	6,60,000/-	15.05.21	9.2	Granted
11.	ML.MLI. Limestone Pai Khel-1 (Revised)	31,00,000/-	35,00,000/-	23.01.24	9.8	//
12.	ML.MLI. Limestone Chita Wahn-4	36,00,000/-	Rs.65,00,000/-	08.07.25	4.5	Granted
13.	ML.MLI. Limestone Chita Wahn-5	36,00,000/-	Rs.60,01,000/-	08.07.25	4.6	//

A factor of 20% is being added in the reserve price of limestone block Thathi-2A to rationalize it with the worth of limestone blocks granted in vicinity.

DISTRICT MIANWALI
PROPOSED RESERVE PRICE OF LIMESTONE
BLOCK THATHI-2A

A limestone block Daud Khel-2 had been granted in the vicinity of proposed block. A bid of Rs. 52,30,000/- had been received against reserve price of 50,00,000/- for Daud Khel-2. A new block has been fabricated to meet the demand of stone/ raw material and to curb the unauthorized exaction of the mineral in the surrounding area and to enhance the public exchequer. While proposed base price has been selected on rational basis i.e. reserve price of Daud Khel-2 is considered as proposed base price.

PROPOSED BASE PRICE = 50,00,000/-

Sr.No	Major Factors			Maximum Weightage (%)	Weightage assigned (%)	Calculated amount (Rs)
1.	Geological Survey, location of the block and assessment of mineral in the blocks			Upto 20% of base price	5	1,00,000/-
2.	Quality of the mineral in the blocks				5	1,00,000/
3.	Availability of access road to the block				5	1,00,000/
4.	Accessibility to the market and consumption of the mineral in the block				5	1,00,000/
5.	Future potential for excavation from the block				-	-
6.	Any Unique factor at the site of the block or blocks relevant for determining the reserved price like availability of approach path, electricity, Crushing Plants, developed pits etc				-	-
7.	Location of surrounding blocks within 10 Kms and its impact on the reserve price of under - consideration block.				-	-
	Sr.No	Name of Limestone Block	Reserve Price (Rs)	Bid Money (Rs)		
	1.	ML.MLI. Limestone Khair Abad-6	55,00,000/-	-		
	2.	ML.MLI. Limestone Thathi-2B	55,00,000/-	-		
	3.	ML.MLI. Limestone Pai Khel-15	Granted from hqr office	22,00,000/-		
	4.	ML.MLI. Limestone. Daud Khel-2	50,00,000/-	52,35,000/-		
	5.	ML.MLI. Limestone. Chita Wahn-1	Granted from Hqr office	Rs.6,60,000/-		
	6.	ML.MLI. Limestone Chitta Wahn-2	36,00,000/-	1,16,20,000/-		
	7.	ML.MLI.	Granted	6,65,000/-		

		Limestone Pai Khel-7 (Revised)	from Hqr office				
	8.	ML.MLI. Limestone Pai Khel- 10 Rev	40,00,000/-	20,50,000/-			
	9.	ML.MLI. Limestone Pai Khel- 10A	40,00,000/-				
	10.	ML.MLI. Limestone Pai Khel- 12	Granted from hqr office	6,60,000/-			
	11.	ML.MLI. Limestone Pai Khel-1 (Revised)	31,00,000/-	35,00,000/-			
	12.	ML.MLI. Limestone Pai Khel-2	40,00,000/-	-			
	13.	ML.MLI. Limestone Chita Wahn-4	36,00,000/-	Rs.65,00,000/-			
	14.	ML.MLI. Limestone Chita Wahn-5	36,00,000/-	Rs.60,01,000/-			
Total of contributing factors (per five years)				20			5,00,000/-
Base price for per five years.							50,00,000/-
Reserve price= Total of contributing factors + Base price.							55,00,000/-
Say							55,00,000/-

Deputy Director
Mines & Minerals Mianwali

Decision

The Special Expert Committee considered the above reserve price proposed by the field office Mianwali and is agreed with the reserve price **Rs. 55,00,000/-** of block under ML-MLI-Limestone. Thathi-2A

*Profile of Mining Concession for Estimation of Reserve Price of ML.MLI.Limestone.
Thathi-2B District Mianwali*

a) Geological Survey, Location of the zone and assessment of mineral in the Block:

The subject block falls on Topo Sheet no 38 P/9 of Survey of Pakistan over an area of 72.31 acres on Kalabagh Mianwali Road at a distance of about 35 Kms from Mianwali City. A link Katcha road of about 3.6 Kms from Thathi to the block area is also available. Geologically, the block is located in Zaluch Group of upper Permian Age. Limestone is associated with Warghal Formation. Huge limestone deposits are available in the block.

b) Quality of Minerals in block:

Average quality of limestone in compact shape is available in the area.

c) Availability of access Road to the block:

Block is approachable from Mianwali- Kalabagh metalled road from where katcha road about 3.6 Kms from Thathi to block area.

d) Accessibility to the Market and consumption of the mineral in the block:

Limestone in crushed form will be utilized locally in Daud Khel, Thathi and surrounding village.

e) Average Excavated Quantity of Mineral from the Block During last 5 years:

New Block

f) Future Potential for excavation from the block:

The area is enriched with average quality deposits of Limestone. However this office has no information about the future projects in the vicinity of the area.

g) Previous bidding history of the Block:

New Block.

h) Any unique factor at site of the block relevant for determining reserved price:

Nil.

i) Location of Surrounding blocks/zones and its impact on the reserve price of this block.

The following blocks either granted or fetched bid in the 10 Kms vicinity of under consideration block: -

Sr. No	Name of Block	Reserve Price (Rs)	Bid Money (Rs)	Validity	District from under consideration block (Kms)	Remarks
1.	ML.MLI. Limestone Khair Abad-6	55,00,000/-	-	-	2.3	Proposed for estimation of reserve price
2.	ML.MLI. Limestone Thathi-2A	55,00,000/-	-	-	Adjacent	//
3.	ML.MLI. Limestone Pai Khel-15	Granted from hqr office	22,00,000/-	17.08.21	2.6	Granted
4.	ML.MLI. Limestone. Daud Khel-2	50,00,000/-	52,35,000/-	19.05. 25	8.9	//
5.	ML.MLI. Limestone. Chita Wahn-1	Granted from Hqr office	Rs.6,60,000/-	16.03.21	3.9	//
6.	ML.MLI. Limestone Chitta Wahn-2	36,00,000/-	1,16,20,000/-	11.01.22	//	//
7.	ML.MLI. Limestone Pai Khel-7 (Revised)	Granted from Hqr office	6,65,000/-	13.12.21	4.3	//
8.	ML.MLI. Limestone Pai Khel-10 Rev	//	20,50,000/-	15.04.21	5.9	//
9.	ML.MLI. Limestone Pai Khel-10A	40,00,000/-			//	Proposed for estimation of reserve price
10.	ML.MLI. Limestone	Granted from hqr office	6,60,000/-	15.05.21	1.9	Granted

	Pai Khel-12					
11.	ML.MLI. Limestone Pai Khel-1 (Revised)	31,00,000/-	35,00,000/-	23.01.24	9.6	//
12.	ML.MLI. Limestone Chita Wahn-4	36,00,000/-	Rs.65,00,000/-	08.07.25	4.9	Granted
13.	ML.MLI. Limestone Chita Wahn-5	36,00,000/-	Rs.60,01,000/-	08.07.25	5.3	//

A factor of 20% is being added in the reserve price of limestone block Thathi-2B to rationalize it with the worth of limestone blocks granted in vicinity.

DISTRICT MIANWALI
PROPOSED RESERVE PRICE OF LIMESTONE
BLOCK THATHI-2B

A limestone block Daud Khel-2 had been granted in the vicinity of proposed block. A bid of Rs. 52,30,000/- had been received against reserve price of 50,00,000/- for Daud Khel-2. A new block has been fabricated to meet the demand of stone/ raw material and to curb the unauthorized exaction of the mineral in the surrounding area and to enhance the public exchequer. While proposed base price has been selected on rational basis i.e. reserve price of Daud Khel-2 is considered as proposed base price.

PROPOSED BASE PRICE = 50,00,000/-

Sr.No	Major Factors			Maximum Weightage (%)	Weightage assigned (%)	Calculated amount (Rs)
1.	Geological Survey, location of the block and assessment of mineral in the blocks			Upto 20% of base price	5	1,00,000/-
2.	Quality of the mineral in the blocks				5	1,00,000/
3.	Availability of access road to the block				5	1,00,000/
4.	Accessibility to the market and consumption of the mineral in the block				5	1,00,000/
5.	Future potential for excavation from the block				-	-
6.	Any Unique factor at the site of the block or zones relevant for determining the reserved price like availability of approach path, electricity, Crushing Plants, developed pits etc				-	-
7.	Location of surrounding blocks within 10 Kms and its impact on the reserve price of under - consideration block.				-	-
	Sr.No	Name of Limestone Block	Reserve Price (Rs)			
	1.	ML.MLI. Limestone Khair Abad-6	55,00,000/-			
	2.	ML.MLI. Limestone Thathi-2A	55,00,000/-			
	3.	ML.MLI. Limestone Pai Khel-15	Granted from hqr office	22,00,000/-		
	4.	ML.MLI. Limestone. Daud Khel-2	50,00,000/-	52,35,000/-		
	5.	ML.MLI. Limestone. Chita Wahn-1	Granted from Hqr office	Rs.6,60,000/-		
	6.	ML.MLI. Limestone Chitta Wahn-2	36,00,000/-	1,16,20,000/-		
	7.	ML.MLI.	Granted	6,65,000/-		

		Limestone Pai Khel-7 (Revised)	from Hqr office				
	8.	ML.MLI. Limestone Pai Khel- 10 Rev	//	20,50,000/-			
	9.	ML.MLI. Limestone Pai Khel- 10A	40,00,000/-				
	10.	ML.MLI. Limestone Pai Khel- 12	Granted from hqr office	6,60,000/-			
	11.	ML.MLI. Limestone Pai Khel-1 (Revised)	31,00,000/-	35,00,000/-			
	12.	ML.MLI. Limestone Chita Wahn-4	36,00,000/-	Rs.65,00,000/-			
	13.	ML.MLI. Limestone Chita Wahn-5	36,00,000/-	Rs.60,01,000/-			
Total of contributing factors (per five years)				20			5,00,000/-
Base price for per five years.							50,00,000/-
Reserve price= Total of contributing factors + Base price.							55,00,000/-
Say							55,00,000/-

Deputy Director
Mines & Minerals Mianwali

Decision

The Special Expert Committee considered the above reserve price proposed by the field office Mianwali and is agreed with the reserve price **Rs. 55,00,000/-** of block under ML-MLI-Limestone. Thathi-2B.