

BACKGROUND NOTE

**Ladana Block n/v Ladana-Ladani, Tehsil Mavli, District - Udaipur(Raj), for Base metal,
Area – 3 Sq.Km**

Pillar no.	Latitude	Longitude
A	24°47'42.2"	74°02'15.6"
B	24°47'42.4"	74°03'29.7"
C	24°46'55.2"	74°03'29.8"
D	24°46'55.0"	74°02'15.7"

Since the resources in the block have not been calculated therefore, all the values (performance security, bid security and networth) in tender document are mentioned as per mineral auction rules.

SUMMARY OF THE MINERAL BLOCKS

PART A-GENERAL INFORMATION ABOUT MINERAL BLOCK

	FEATURES	DETAILS		
1.	LOCATION	Ladana Block is 10km south west of Fatehnagar township in the Udaipur district, Rajasthan.		
	MINERAL BLOCK	Ladana Block, Udaipur district, Rajasthan.		
	CORNER POINTS (LATITUDE, LONGITUDE)	Pillar No.	Latitude (N)	Longitude (E)
	VILLAGES	Ladana		
	TEHSIL/TALUKA	Mavli		
	DISTRICT	Udaipur		
	STATE	Rajasthan		
2.	AREA (HECTARES)	300 hect.		
	MINERALISED AREA	150 hect.		
	NON-MINERALISED AREA	150 hect.		
3.	EXPLORATION			
	STATUS (G2/G3/G4 ETC.)	G3		
	EXPLORATION AGENCY	In house drilling		
	TOTAL NUMBER OF BOREHOLES WITH METERAGE	4 boreholes (45° inclination angle) (all planned for first level intersection), total meterage=608.60m.		
	BOREHOLE SPACING (DENSITY)	200m strike spacing		
4.	QUANTITY OF MINERALS (GRADEWISE)	Resource not estimated due to poor grade intersected in the boreholes.		
	MINERAL	Copper		
	TOTAL GEOLOGICAL RESOURCES	Resource not estimated due to poor grade intersected in the boreholes.		
5.	MINERALISED ZONES	Two quartz veins (70m X 10m) and (70m X 15m) with encrustations of malachite stains and disseminated pyrite, bornite, chalcopyrite trending NNW-SSE to NS were observed in the northern part of the Ladana extension area.		
	NUMBER OF MINERAL ZONES	2		
	TREND (DIP AND STRIKE)	The granite is often foliated and sheared at places. Stretched quartz and feldspars grains along foliation plane are noticed. General trend of foliation varies from N-S to NNE-SSW with moderate dip towards east. Primary structures in the form of primary bedding is observed only in siliceous cherty zone. The attitude of bedding is N80°E/75°SE. Two sets of foliations are observed in the study area. S1 foliation is the most prominent in the study area and its strike varies from N-S to N20°E with dip amount varying from 16° to 55°. The dip is generally		

		towards east. Most of the ferruginised quartz veins and milky white quartz veins were emplaced along the S1 foliations. S2 foliation strikes N10°W to N20°W with steep easterly dip
	TOTAL THICKNESS	Surface indication of copper observed in quartz vein having thickness of 10m to 15m.
6.	ACCESSIBILITY	The area is about 400 km away from Jaipur city and is well connected by metalled roads and railway line. It is easily approachable by Jaipur-Ajmer-Udaipur, National Highway No. 48. The area is also approachable from Bhilwara and Chittorgarh by metalled roads.
	NEAREST RAIL HEAD	Fatehnagar is the nearest railway station situated on Chittorgarh-Udaipur section of the North-Western Railway and it is approachable by a metalled road.
	ROAD	It is easily approachable by Jaipur-Ajmer-Udaipur, National Highway No. 48.
	AIRPORT	Nearest airport is Udaipur which is 50 km away from Ladana block
7.	HYDROGRAPHY	Water table is within 20m to 30m.
	LOCAL SURFACE DRAINAGE PATTERN (CHANNELS)	The area is drained by small streamlets into a small pond near the village. The surrounding area exhibits dendritic pattern of drainage and is chiefly controlled by the Berach River
	RIVER/ STREAMS	Berach River
8.	CLIMATE	The area falls in semi-arid climatic zone and it is dry almost throughout the year. The prevailing climate in Udaipur area is known as local steppe climate. Winter season prevails from October to February and coldest month is December. In January, the temperature falls to the level of 11.6° C in nights. May and June are the hottest months with temperature rising up to 44°C. Average temperature in Udaipur is 31.6°C. Monsoon arrives in the month of July heralded by dust and thunderstorms.
	MEAN ANNUAL RAINFALL	Average annual rainfall is 689 mm and the maximum precipitation occurs in the month of July
	TEMPERATURES (DECEMBER)	11.6°C
	TEMPERATURES (JUNE)	44°C
9.	TOPOGRAPHY	The area around Ladana block forms a part of peneplained land and it has a gently undulating topography with a soil cover of 1.0 to 5.0 m thickness. Rock outcrops are very scanty and form small knolls in the area. More than 90 % of the area is occupied by agricultural land owned by local farmers. The southern part of the block is occupied by a lake.
	TOPOSHEET NUMBER	45 L/1
	MORPHOLOGY OF THE AREA	The area around Ladana block forms a part of peneplained land and it has a gently undulating topography

PARTB – PARTICULARS OF STATUTORY LICENSES,PERMITS,PERMISSIONS,CONCESSIONS, APPROVALS AND CONSENTS RELATED TO MINING OPERATIONS

	PARTICULARS	DETAILS/STATUS
1.	FOREST CLEARANCE	There is no demarcated forest. Regarding other permissions, if required to be obtained by the successful bidder.
2.	WILDLIFE CLEARANCE(SANCTUARY, RESERVE OR SPECIAL ZONE CLEARANCES)	
3.	ENVIRONMENT CLEARANCE	
4.	MINING PLAN APPROVAL	
5.	CONSENT TO ESTABLISH	
6.	EXPLOSIVE LICENSE	
7.	PERMISSION FOR MINE OPENING	
8.	PERMISSION OF INSTALLATION/TRIAL OPERATION OF EQUIPMENT	
9.	GROUND WATER CLEARANCE (CENTRE/STATE)	
10.	RAILWAY SDING APPROVAL	
11.	APPROVAL FOR DIESEL STORAGE	
12.	POWER LINE FROM STATE DISCOM	
13.	CLEARANCES RELATING TO WORK UNDER AN EXISTING TRANSMISSION LINE OR SHIFTING OF THE TRANSMISSION LINE	
14.	GRAMA SABHA CONSENT	
15.	ANY OTHER CLEARANCES TO START MINING OPERATION	

PARTC–PARTICULARS OF LAND

	LANDTYPE	AREA (In hect.)
1.	TOTAL CONCESSION AREA	300 hect.
2.	FOREST LAND WITH STATUS	-
3.	GOVERNMENT LAND WITH STATUS	-
4.	PRIVATE LAND WITH STATUS	-
5.	CHARAGAH/ PASTURE LAND(*)	-
6.	ANGORE LAND	-
7.	ORAN LAND	-
8.	TALAB	A seasonal pond is present in the south of this block
9.	REVENUE SURVEY DETAILS OF THE AREA	Available

NOTE:(*)_REFER CLAUSE NO.17.7.

NOTE-TOTAL AREA HAS BEEN CALCULATED BASED ON AREA FALLING WITHIN THE COORDINATES BUT WHEN SUPERIMPOSED ON REVENUE MAP, SLIGHTLY IT MAY DIFFER BEING BOTH ON DIFFERENT PROJECTIONS,ONE IS SPHERICAL AND OTHER IS LINEAR.