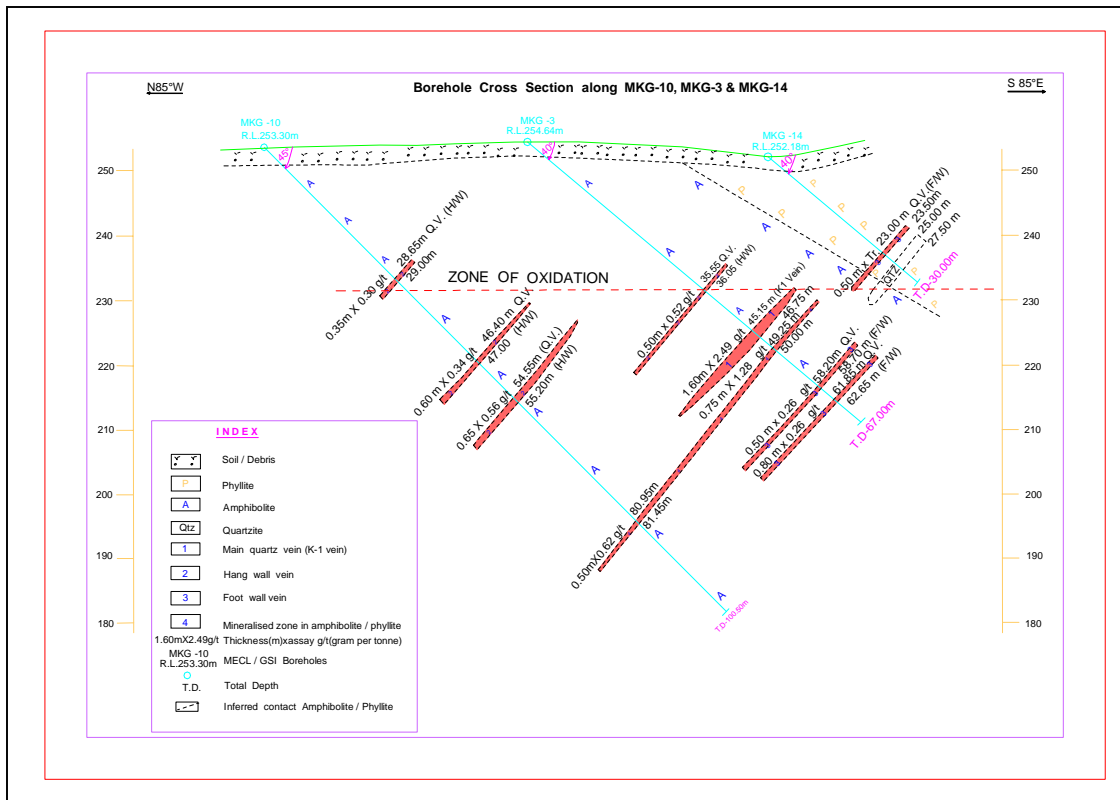


# EXPLORATION REPORT

## KOLARI GOLD PROSPECT

### DISTRICT - NAGPUR, MAHARASHTRA

#### EXECUTIVE SUMMARY



**MINERAL EXPLORATION CORPORATION LIMITED**  
**(A Government of India Enterprise)**  
 SEMINARY HILLS, NAGPUR

**JULY-1989**

# EXPLORATION REPORT KOLARI GOLD PROSPECT NAGPUR DISTRICT, MAHARASHTRA

## EXECUTIVE SUMMARY

### 1.0 LOCATION

The Kolari gold prospect is situated 1 km west of Kolari village in Bhiwapur Tahsil, Nagpur. The co-ordinates of the block are Latitude-20<sup>o</sup>49', Longitude: 79<sup>o</sup>31' and falls in Toposheet No.55 P/9.

### 2.0 GEOLOGY AND STRUCTURE

The rock types of the block are Archaean age. The stratigraphic sequence of the rock types encountered in the boreholes is given below.

<b>Quarternary</b>		<b>Alluvium, Laterite</b>
Archaean (Dharwars)	Post Sakoli	Quartz vein, Granite gneisses
	Sakoli Series	Metabasics (amphibolite) Phyllites, Slate, quartzite

The Phyllites and amphibolites have been intruded by bluish-grey and milky white quartz veins. The bluish-grey quartz veins trend mostly N-S with sub vertical to vertical dip towards west, while the white quartz veins trend generally E-W with almost vertical dips.

### 3.0 MINERALISATION

The structural control for the gold mineralisation in the area appears to be shear planes, joints, fractures and minor slips. Mineralisation associated with quartz veins intruded into phyllite and amphibolite country rocks. Quartz veins belonging to at least two generations are found in the area. The bluish-grey quartz vein is auriferous in nature.

#### **4.0 QUANTUM OF WORK DONE**

In addition to earlier work done by GSI, MECL during its exploration programme has completed 0.13 Sq.km of geological mapping and surveying, 1024.85 m of drilling in 14 Nos. of boreholes. 1224 Nos. (1215 from drill core +9 from grab chip) of primary samples for gold values by fire assay, 19 Nos. of check samples for gold values by fire assay and 16 Nos. of composite samples for gold and silver values by fire assay has been undertaken. 16 Nos. for Spectroscopic analysis and 41 Nos. for Petrographic studies and 34 Nos. of samples for Minerographic studies have also been undertaken

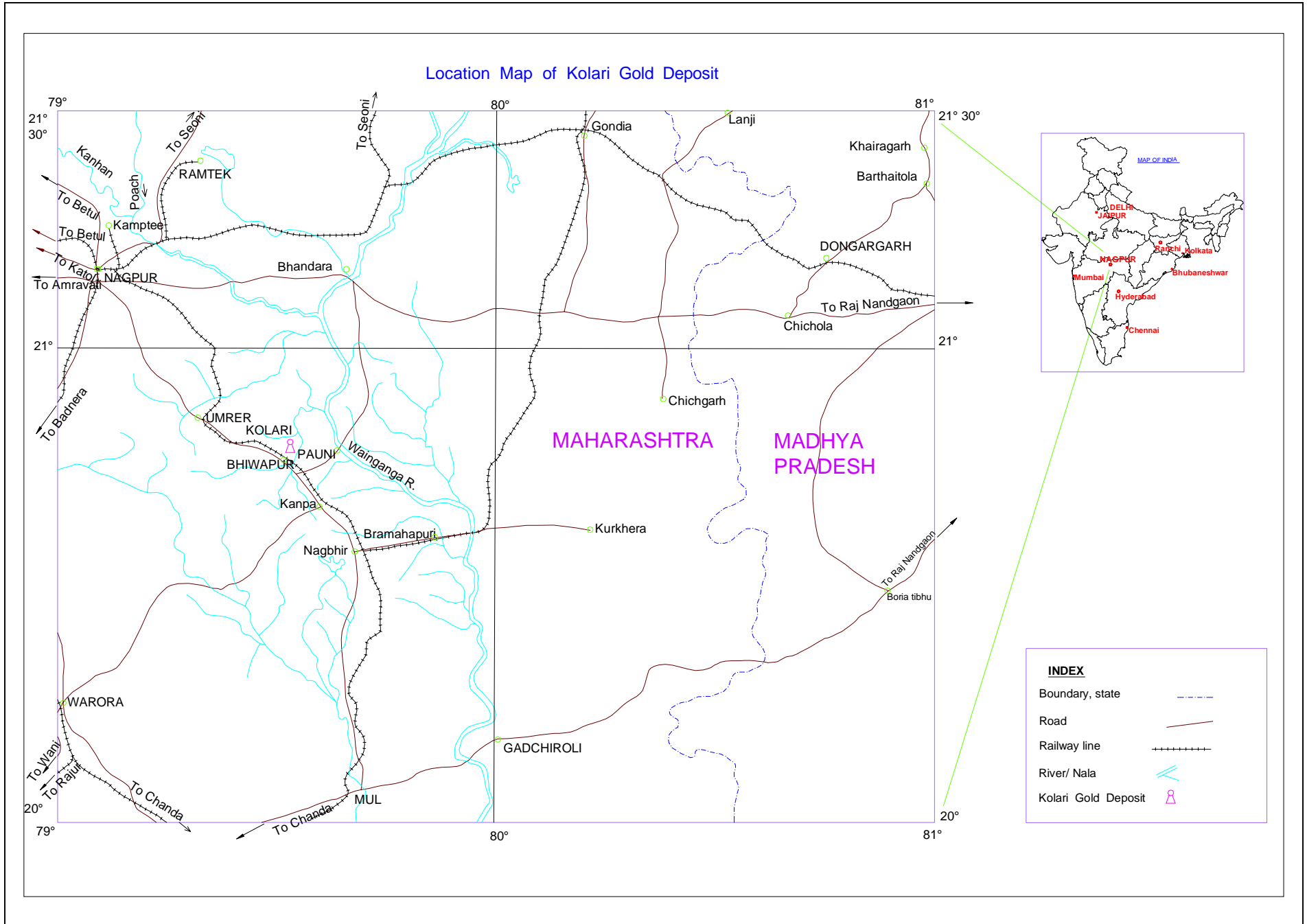
#### **5.0 ORE RESERVE ESTIMATION**

After evaluation of the exploration data of the prospect, presence of few mineralized zone with +1 g/t average gold assay of 1 m width with impersistent strike and dip show that the block does not warrant any further input.

**The Deposit has been classified as Category 'D' of UNFC 333.**

**The Total Cost of Exploration is Rs. 27.89 Lakhs.**

# LOCATION PLAN OF KOLARI GOLD PROSPECT





# LEVEL PLAN 226 mRL

