

## A NOTE ON NEW FIND OF GOLD MINERALIZATION IN SHEARED GRANITES OF KOSGI – KODANGAL AREA, VIKARABAD AND NARAYANPET DISTRICTS, TELANGANA, INDIA

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Reconnaissance traverses in Kosgi – Kodangal area (Fig.1) for critical minerals assessment revealed the presence of number of shear zones (Fig-2) Trending WNW-ESW, NW-SE, NS, NNE-SSW East of Kodangal Interference of shear zones resulted in arcuate shears with convexity towards East. The granites exposed around Kodangal and Kosgi are highly sheared and are with pronouncedly developed shear fabric development (Fig-3). Width of the shear zone is about 50 to 60 m. On close observation of sheared granite, it is found that there is remarkable vein quartz activity (Fig-3). There is development chlorite and epidote in sheared granite, which in turn suggests predominant hydrothermal activity. Besides, there are tiny dissemination of pyrite and arsenopyrite. Such evidences are recorded all through the shear zone of 7.6 km length extending from SE of Kodangal to 2.5 km NE of Dudyal. The 7 bedrock samples have analysed gold (Au) ranging from 0.5 ppm to 1.46 ppm. (Table 1& Fig. 4 ).

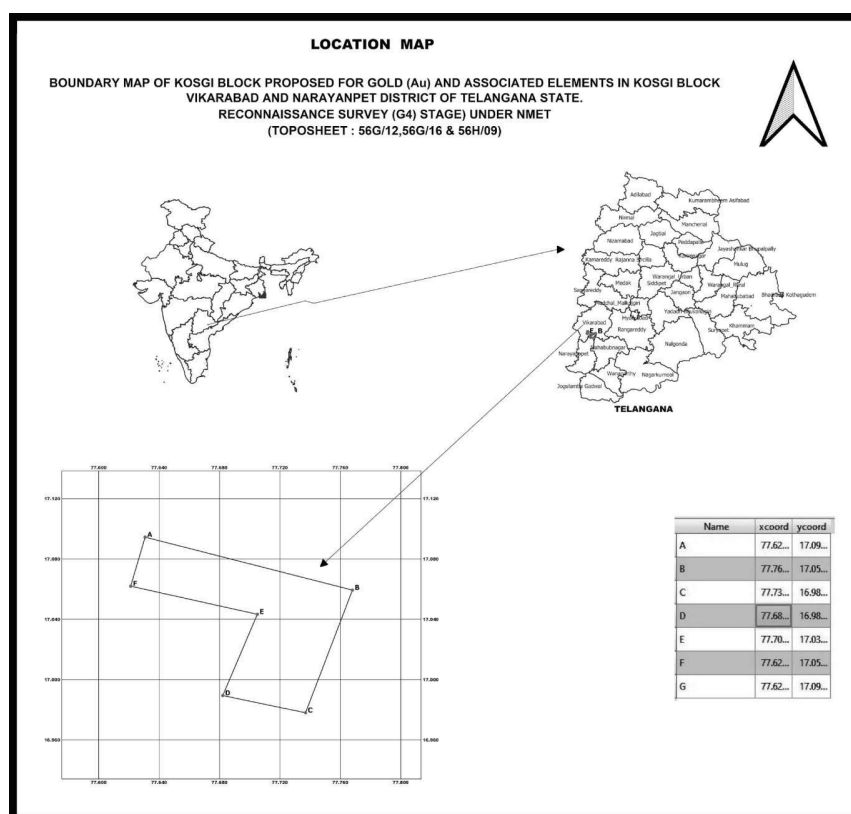


Fig. 1. Location Map of Kosgi- Kodangal Block